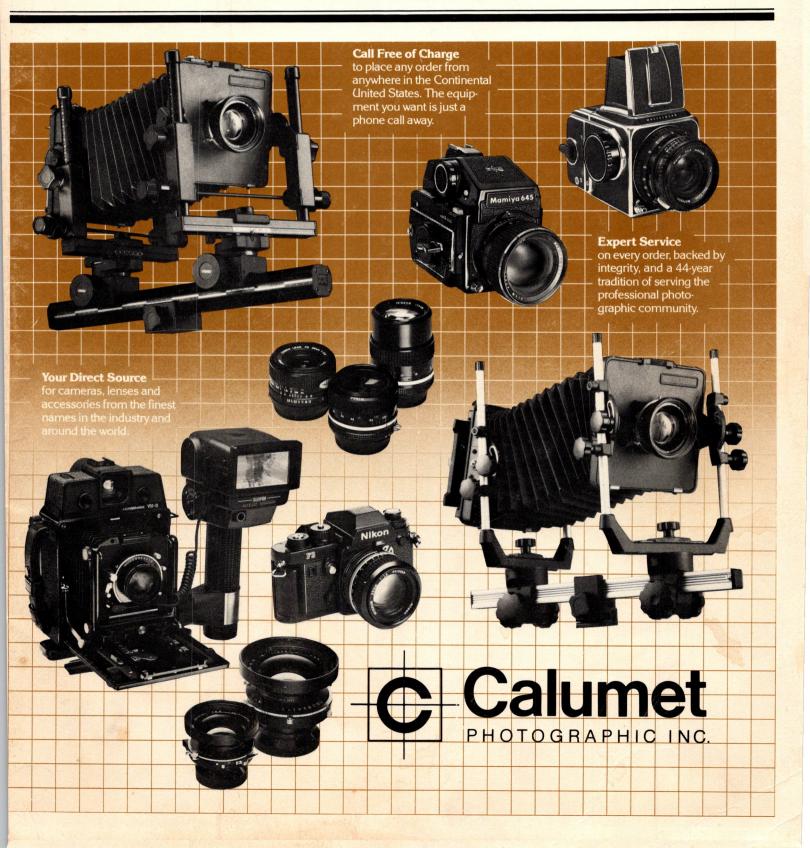
Effective March 1, 1983

THE PHOTOGRAPHER'S CATALOG

PRICE \$300



Order with confidence from CALUMET...



Everyone at Calumet would like to thank you for your continued support in 1982. During this past year, we implemented new programs and increased our staff with the intention of providing the highest possible level of customer satisfaction. 1983 will see even greater advances in these areas.

If you are new to Calumet, I think you will find a lot to be enthusiastic about in the 1983 Photographer's Catalog. Not only do we maintain substantial inventories of products from around the world, but we also take special pride in the way we serve our customers. This means in-stock availability of the items you need, and prompt follow-through on every order, no matter how small.

We make every effort to offer prices that are as competitive as possible. Because photographic equipment prices are extremely volatile, adjustments in cost are often beyond our control, and subject to change without notice. For these reasons, our actual selling prices on some products may

differ from those printed in the *Photographer's Catalog*.

Prices may be lower! We are all accustomed to prices going up, but occasionally, manufacturers and distributors offer special promotions during the year that permit us to sell at lower prices than those published in the catalog. When you are ready to order, please call our Technical Sales staff to confirm current prices.

In 1982 we began to consider ways through which we could offer additional services and information specifically tailored to your photographic interests. We considered many alternatives and decided to establish the Calumet Photographic Society.

We believe that Calumet's experience and unique resources are well suited to assist serious photographers by providing a forum for the exchange of ideas and information, as well as increasing the accessibility to more specialized products. This concept makes it possible for the Society to assume an intermediary role serving

the best interests of both commercial and fine artists.

The Society benefits are explained on the first page of the catalog, and we hope you will join with the thousands of photographers who are already taking advantage of these services.

Whether you are a professional, or simply an avid enthusiast, I think you will find the people at Calumet exceptionally knowledgeable and responsive to all your photographic needs. Delivering reliable quality merchandise through helpful, personal service has made Calumet Photographic a leader in the professional photographic community for over 44 years. I personally promise you the same quality service from Calumet in the years to come.

Robert Molitor

Robert Molitor President

How To Order

By Telephone

Call toll free: 1-800-323-2849 In Illinois call: 1-312-860-7447 Order direct, Monday through Friday 9 a.m. to 5 p.m. (Central Time)

Please specify the Calumet item number, the quantity to be ordered, and price which will be confirmed at the time of your call. If you require additional information, our technical sales people will be pleased to assist you.

By Mail

Use the convenient Calumet Order Form

- a. Calumet Photographic Society Members fill in your membership number.
- Fill in your name and address (include street address and zip code for prompt (J.P.S. delivery). Please include a telephone number where we can reach you during the day if necessary.
- c. Fill in shipping address if different from the billing address.
- d. Complete order date.
- e. Indicate method of payment:
 - Check with order: When you send a check,* certified check, or money order. Do not send cash. *Personal checks will experience a 21 day delay for bank clearance.
 - 2. Visa, Mastercard, or American Express \$25.00 minimum.
- f. For credit card orders (\$25.00 minimum), fill in the credit card account number and expiration date, and your signature.
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- h. Write in the Calumet item number.
- i. Complete the description of the item.
- j. Call to confirm the selling price.

- k. Add all prices and enter the total amount of the order.
- Sales Tax: Illinois residents only, add 5.25%.
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 Bensenville, IL 60106
- m. Shipping, Packing, and Insurance Charges (Society Members see your membership information):
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 - Orders too large for UPS Surface delivery: These items are marked with a () symbol next to the catalog number throughout this catalog. Items with this symbol are shipped by truck-freight collect.
- n. Handling Charge: \$1.00 on all orders.

Terms of Payment

- a. Check With Order should include a certified check, cashiers check, money order or equivalent. Personal checks are accepted, but will experience a minimum 21 day delay pending bank clearance. For your protection, do not send cash.
- b. Credit Card Orders (\$25.00 minimum):
 Phone and mail orders may be charged

- directly to your Visa, Mastercard, or American Express account.
- Open Accounts are available to qualified companies, institutions, schools and government agencies. For complete details, please call our Credit Department.
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Terms of Shipment

- a. All merchandise will be shipped F.O.B.
 Bensenville, Illinois, "Best Way," normally U.P.S. Special shipping at the customer's request will be shipped freight collect.

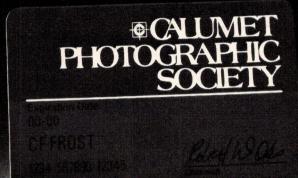
International Orders

Must be paid in U.S. dollars by letter of credit, Visa, Mastercard, American Express or International Money Order. An export documentation charge of \$20.00 must be paid with the order. All bank charges to be paid by the customer. All export orders will be shipped freight collect.

The Ultimate Statement

In the world of PHOTOGRAPHY

In the world of BUSINESS*





An Exclusive Invitation to become a MEMBER of the

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AS A MEMBER OF THIS SELECT SOCIETY, YOU WILL RECEIVE:

- **JOURNAL OF AMERICAN PHOTOGRAPHY**—a complimentary one year subscription valued at \$12.50.
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- CHARTER MEMBERSHIP CERTIFICATE—personally signed by the Chairman and Director of the Calumet Photographic Society.
- \$45.00 IN CALUMET CERTIFICATES—valuable savings on specified equipment by recognized manufacturers.
- THE FRIENDS OF PHOTOGRAPHY CONTRIBUTION—a portion of your subscription fee will be donated toward the support of this prestigious, non-profit organization, established for the advancement of photographic arts.

From time to time, members will receive Calumet Photographic Society mailings containing additional member information and benefits.

The Calumet Photographic Society is a division of Calumet Photographic, Inc., a respected manufacturer and marketer of professional photographic equipment for over 40 years.

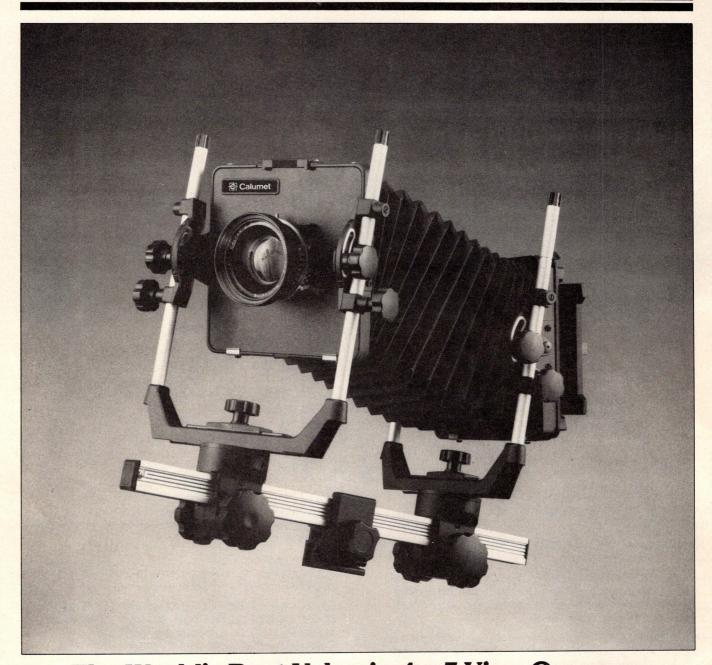
TO BECOME A MEMBER OF THE CALUMET PHOTOGRAPHIC SOCIETY, CALL TOLL FREE 1-800-323-2849 (In Illinois call 1-312-860-7447), or complete the form below and mail to: Calumet Photographic Society, 890 Supreme Drive, Bensenville, IL 60106.

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*THE CALUMET PHOTOGRAPHIC SOCIETY IS IN NO WAY ASSOCIATED OR AFFILIATED WITH AMERICAN EXPRESS.

New Calumet CC540 4X5 View Camera





The World's Best Value in 4 x 5 View Cameras

As the leading manufacturer of view cameras, Calumet has long understood and successfully met the rigorous requirements of the most exacting professionals. The ALL NEW Calumet CC540 4X5 view camera has been designed to meet all of these requirements and offer a complete range of accessories for all studio and location conditions. Best of all, the CC540 was designed to be economical beyond compare. Never before has such a full featured, metal constructed* 4X5 view camera offered so much at this incredibly low price.

*knobs made of high impact plastic.

- Solid All Metal Construction
- Interchangeable Bellows
- 360° Revolving Back
- Full View Camera Movements
- Complete Accessory System

See pages 4, 5, and 13 of the *Photographer's Catalog* for details of the extensive accessory system for the Calumet CC540 view camera.

Calumet CC540 4X5 Camera

Includes: camera body, bellows, tripod mount, ground glass, and lensboard.

\$239⁵⁰*
With purchase of lens.

Camera only \$259.50.

*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in *The Photographer's Catalog*. Also qualifies for FREE lens mounting.

New Calumet CC540 4 x 5 View Camera



FEATURES:

- Structurally Solid All Metal Construction—control knobs are the only parts made of plastic
- Interchangeable Bellows—accessory wide angle bellows available
- Extendable Monorail System—extra long monorails and monorail coupling device available
- 360° Revolving Back—horizontal and vertical detents provided with positive lock in any off axis position
- International Lock Spring Back compatible with 4X5 international lock accessories
- Reversible Front and Rear Standards permits extra 2½" bellows extension
- Dual Axis Spirit Level
- Large 6%" Lensboard—accommodates nearly all shutters and lenses
- Extensive Accessory System Available—see pages 4 and 5 for complete listing

SPECIFICATIONS:

- Tilt: 60° with center detent (front and back) front tilt on optical axis
- Swing: Unlimited with center detent (front and back)
- Rise and Fall: 3¾" (front and back)
- Lateral Shift: 2" (front and back)
- Maximum Extension: 18" with normal bellows unlimited with extension bellows and monorail sections
- Minimum Extension: 1.9" with recessed lensboard
- Lensboard Size: 6% x 6%
- Weight: 8 lbs.

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

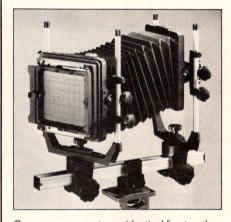
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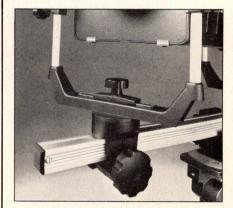
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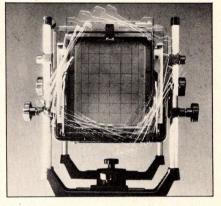
Extra large 6¼" lensboard accommodates nearly all lens sizes. Positive slide lock system for convenient removal of lensboard and interchangeable bellows.



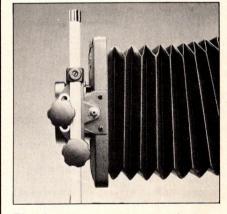
Camera movements are identical front and back allowing for complete perspective and depth of field control. Long monorail provides 18" bellows extension. Heavy duty metal tripod mount combines with the square monorail for optimum rigidity.



Easy to use single lock system controls lateral shift and swing movements. Friction drive focusing system on both front and rear standards has tension adjustment for smooth positive operation. Focus lock mechanism provides maximum locking without focus creep.



Revolving back revolves 360° with locking detents at horizontal and vertical positions. Composition can be quickly aligned without moving camera.



Tilt and swing movements on optical axis.

Dual lock knobs for tilt and rise and fall movements. All locking knobs provide maximum stability with minimum pressure.



International back accepts standard sheet film holders, Polaroid 545, 550, 405 backs, and Calumet C·2 roll film holders without removing ground glass. Also accepts Horseman and other international roll film backs and accessories with use of international slide locks. Dual axis spirit levels for horizontal and vertical camera alignment.

The Compendium Lenshood/Filter Holder is indispensable to the serious photographer. It can actually improve image quality by reducing flare caused by stray light entering the lens. The flexible bellows allows the hood to be adjusted for maximum shading effect.

The Gel filter holder is adjustable so that the filter may be positioned relative to the front of the lens. Two metal filter frames for standard 4x4 gel filters are included. 3x3 filters may be used by placing them in Calumet 4x4 filter frames for 3x3 filters (CC9036).

 Compendium Lenshood/Filter Holder

 CB0502
 \$149.95

 Metal 4x4 in. Gel Filter Frame (replacement)

 CB0503
 \$ 24.95

 Calumet 4x4 Filter Frames for 3x3 Gel Filters

 Pack of 24
 CC9036
 \$ 12.95

Compendium Lenshood

Similar to the Compendium Lenshood/ Filter Holder, but without filter holder and pivoting feature for lens adjustment. Compendium Lenshood

CB0501 \$ 99.95

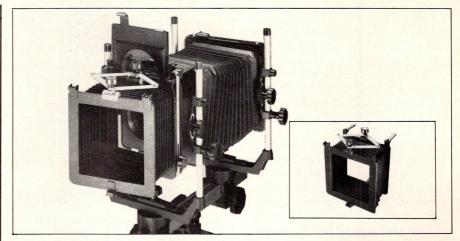
Reflex Viewing Hood

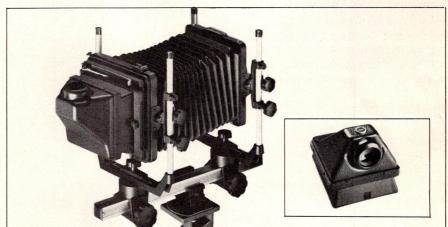
The Reflex Viewing Hood is designed to make viewing image on the 4 x 5 ground glass more convenient. When used with the fresnel lens, the Reflex Viewing Hood allows the entire image area to be viewed from one position without moving the head from corner to corner. An added benefit is that the image appears right side up which can make composition easier. This feature can be especially important if persons in addition to the photographer, such as an Art Director, must also view the image. The right angle design is also ideal for shots requiring low camera positions. The Reflex Viewing Hood is also much more convenient than a focusing cloth on windy days.

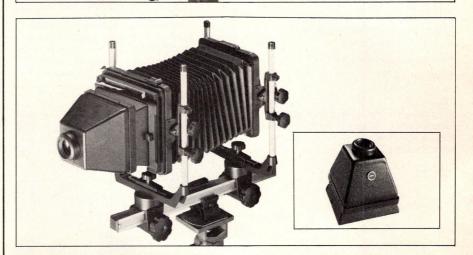
The Reflex Viewing Hood features a unique rotating design which allows it to be used in either the horizontal or vertical position without being removed from the camera back. Compact, lightweight (only 10 oz.) construction permits the user to leave the hood on the camera while inserting a film holder. The monocular type 2.5 x eyepiece is protected by a soft rubber eye cup for comfortable use with or without eyeglasses. Size: 5½ x 5½ x 4½ in.

Reflex Viewing Hood
CB0220\$119.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.







In Line Viewing Hood

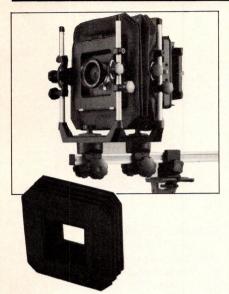
An excellent alternative to the conventional focusing cloth is the In Line Viewing Hood. When using the In Line Viewing Hood the image will appear reversed and upside down as it normally does on the ground glass. Use of the fresnel lens with the In Line Viewing Hood permits the photographer to view the entire 4x5 image area from one position directly behind the camera. Size: $5\frac{1}{2}$ x 5 x 6 in. Weight: 8 oz.

Fresnel Lens

The Fresnel Lens is necessary for use with either the In Line or the Reflex Viewing hoods. It should also be used with a focusing cloth for brighter full area viewing. The Fresnel Lens is snapped onto the outside of the ground glass using the ground glass retaining clips. Fresnel Lens

Calumet 540 And Cambo SC Accessories





Wide Angle Bellows

Commonly referred to as a "bag bellows," the wide angle bellows is used with lenses 90mm or shorter in focal length. The special flexible design permits full use of all movements when using these short lenses. The wide angle bellows may also be used for normal lenses up to 150m focal length if close up photography is not desired. The addition of a short 11.5 in. monorail with the wide bellows makes a compact, full movement view camera ideally suited for field work with short lenses.

Wide Angle Bellows
CB0209 \$129.95
Leather Wide Angle Bellows
Same as above except constructed of genuine
leather. CB0208 \$189.95
Wide Angle 11.5 In. Monorail
CB0119 \$ 39.95

Focusing Cloth Bracket

Extremely useful accessory used to keep the focusing cloth away from the ground glass. This makes viewing easier and facilitates the use of the focusing magnifier for critical focusing.

Focusing Cloth Bracket	
CB0219 \$	14.95

Bellows Support

The Bellows Support is useful to prevent sag and possible image cut off when the camera is used with the bellows extended for long periods of time.

Bellows Su	рро	rt			
CB0406 .			 	 	\$ 39.95

For fast delivery, Call free of charge, Monday through Friday 9 am to 5 pm Central Time 1-800-323-2849 (In Illinois, call 312-860-7447)





LENSBOARDS

Flat Lensboards

Recessed Lensboards

For lens focal lengths of 90mm or shorter.

Recessed drilled for #00 Shutter
CB0512 \$29.95

Recessed drilled for #0 Shutter
CB0513 \$34.95

Lensboard Adapters

Adapter for Calumet 4x4 lensboards
CB0516 \$29.95
Adapter for Sinar or Horseman 4x5 lensboards
CB0517 \$189.95

CAMERA CASES



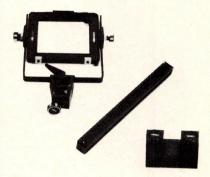
Compartment Cases

For Calumet 540 and Cambo SCII series 4x5 cameras. Vinyl covered plywood construction. Three felt lined compartments for ample storage of film holders and accessories. Exterior dimensions 22½ x 11½ x 15¾ in. Weight 13 lbs. 2 oz.

Aluminum Cases

Prices and specifications subject to change without notice.

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Close Up Accessories

Extra Long 30 In. Monorail

Permits maximum extension of normal bellows to 24 in. Further extension requires additional bellows.

CB0411 \$ 69.95

Bellows Coupling Standard

Normal 4x5 Bellows CB0207 \$ 79.95

Monorail Connection Clamp



Sliding Roll Film Adapter

This accessory provides for the convenient use of 4x5 international lock roll film backs. It allows the photographer to change from ground glass viewing to film ready position by simply sliding the back. Back adapter rotates for either vertical or horizontal use. Ground glass back accepts Reflex or In Line Viewing Hoods.

Sliding Roll Film Adapter CB0202\$359.95

4x5 Dividing Back



Tilting Tripod Head

Replaces the standard tripod mount to provide vertical axis (up or down) tilting of the complete camera. Excellent for use on studio stands.

CB0527 \$ 89.95



Calumet CC-403

Throughout its 44 year history, the Calumet CC-403 standard 4"x5" camera has been the most popular large format camera in the world. Its rugged metal construction, full camera movements and 360° revolving back make it the overwhelming choice of professionals, students and hobbyists who require the creative flexibility of a view camera.

Calumet CC-403 camera CC4500 \$249⁵⁰

Includes camera with bellows, tripod mount, ground glass and lensboard.



Calumet CC-404

The CC-404 with its extra long 22" bellows is expressly designed for those photographers who require the use of longer focal length lenses. It is also ideal for close up and macro applications. The CC-404 can produce magnification ratios in excess of 3:1 with 135mm and shorter focal length lenses.

Calumet CC-404 camera \$26950

Includes camera with bellows, tripod mount, ground glass and lensboard.



Calumet CC-402

The CC-402 is a special, easy to use short bellows camera designed specifically for wide angle and short focal length lenses. The built-in recessed front standard provides easy access to all shutter control. No recessed lensboard is required. This unique camera permits infinity focus with any wide angle lens having a focal length as short as 47mm.

Calumet CC-402 camera \$29950

Includes camera with bellows, tripod mount, ground glass and lensboard.

Calumet 4x5 View Camera Accessories





Calumet Camera Cases Model CC410 Case

Model CC411 Case

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Model CC532 Aluminum Case

This extra tough aluminum clad case is built to take years of service. For Calumet model CC402, 403, and 404 cameras. Features combination lock, recessed handle and felt lined compartments. Wt. 11 lb. Dimensions 27¾x10¾x13 in.

CC4509 \$169.95

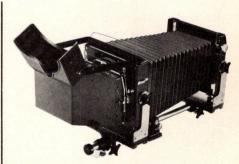


Accessories for Calumet Cameras

Std. 4"x5" Flat Lensboard for CC-402, 403 and 404 Calumet 4"x5" View Cameras. CC4503 \$ 16.95

For Fast Delivery, Call Free of Charge

1-800-323-2849 (In Illinois, call: 312-860-7447)



4"x 5" Reflex Viewer

Calumet's full vision reflex viewing hood eliminates the need for a focusing cloth. See your ground glass image right side up (image remains reversed left to right). Adjustable reflex mirror provides excellent image brightness and critical viewing of entire ground glass. Fast simple attachment to all Calumet 4"x5" view cameras (not Horseman or Cambo models). Mounted viewer does not inhibit camera operation in any way.

6

The Calumet C-1 8 x 10 Camera



The standard for more than 15 years

It's no wonder that the Calumet C-1 has been the unquestioned standard for commercial and industrial photographers for over 15 years. It offers performance, price and versatility all wrapped up in one tough, no-nonsense folding 8"x10" that's as much at home on location as it is in the studio. Rigid metal construction, multi-format versatility to 4"x5" and 5"x7," extra long 34" bellows, complete camera movements, 8"x10" instant film capabilities and a superior price to performance ratio are hallmarks of this fine camera.

LIST OF FEATURES

- accepts all standard and instant 8"x10" film holders
- folds for on-location convenience
- complete camera movements with positive locking knobs
- 34" bellows for extreme close-ups or long focal length lenses.
- continuous angular keyway focusing system
- sliding tripod mount with U.S. and European tripod sockets
- 8"x10" spring back with bail release for easy insertion of film holders
- spirit levels, focusing cloth bracket and carrying strap included
- 8"x10" ground glass with 1/2" grid
- dual rail bed design for maximum stability

SPECIFICATIONS

- Construction: Die-cast aluminum with stainless steel bed plates
- Finish: Non-reflective black
- Tilts: Front unlimited. Back 60°
- Rise and Fall: Front, 127mm (5")
- Lateral Shift: 4" front and back
- Maximum Extension: 864mm (34")
- Minimum Extension: 111mm (4.4")
- Lensboard: 6"x6"
- Tripod Mount: ½" x 20 U.S. and European
- Spirit Levels: 2
- Focusing Cloth Bracket and Carrying Strap
- Weight: 18 pounds

CC8100

\$89500

Includes: Camera body with bellows, tripod mount, ground glass and lensboard.



Lensboards and Adapters

Std. 6"x6" metal lensboard for C-1 and C1P 8"x10" View Cameras.

CC8102 \$ 24.95 Recessed adapter for C-1 and C-1P cameras adapt 6"x6" opening to 4"x4" lensboard of CC-402, 403 and 404

4"x5" View Cameras. **CC8103......\$ 39.95**

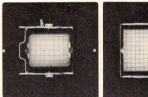
Std. 4"x4" Flat Lensboard for CC 402, 403 and 404 Calumet 4"x5" View Cameras. CC4503...... \$ 16.95



Carrying Case

For 8"x10" C·1 View Camera. Holds camera only. Strong, lightweight aluminum with foam rubber padding.

CC8112\$129.95



8"x 10" View Camera Backs

8"x10" to 4"x5" reducing back—
rotates 360.° CC8104 ... \$189.95
5"x7" reducing back.
CC8105 ... \$199.95
Standard 8"x10" Back for Models C-1
and C-1P cameras.
CC8106 ... \$209.95

Ground Glass

4"x5" Ruled CC4506 \$ 9.95 5"x7" Ruled CC8107 \$ 11.95 8"x10" Ruled CC8109 \$ 13.95

For Fast Delivery, Call Free of Charge

To place orders with American Express, VISA or MasterCard from anywhere in the Continental United States

1-800-323-2849
(In Illinois, call: 1-312-860-7447)



Cambo has refined the world famous SCII 4 x 5 view camera for greater ease of operation. The new Cambo SCIIN camera utilizes the same basic design as the SCII, but with some new and important refinements. A primary feature of the new system is a revolving back accessory. New, larger movement, and focusing knobs are more convenient to use and operate with smooth precision. A cover plate has been designed for added protection of the tilt pivot bearing resulting in a more durable camera. Both the front and rear standards incorporate a new detent system for quick, accurate zeroing of the rise and fall. The SCIIN retains Cambo's traditional all metal construction for maximum stability. The most remarkable feature of the new Cambo SCIIN is the price.

LIST OF FEATURES

- systems capability from 6x 9cm to 8x10
- interchangeable bellows and monorail sections
- international ground glass back, with cm square calibrations
- reversible front and rear standards
- positive locking controls
- four spirit levels for convenient alignment
- click-stop detents

SPECIFICATIONS

- Construction: Die-cast aluminum alloy
- Finish: Non-reflective black
- Tilt: 60° (front and back)
- Swing: Unlimited (front and back)
- Rise and Fall: 95mm (3¾") front and back
- Lateral Shift: 50mm (2") front and back
- Maximum Extension: Standard Bellows 500mm (19.7"); unlimited with extension bellows and monorail sections
- Minimum Extension: With recessed lensboard, 47mm (1.9")
- Lensboard: 162mm x 162mm (6.37"x6.37")
- Spirit Levels: 4
- Weight: 8 lb. 15 oz.

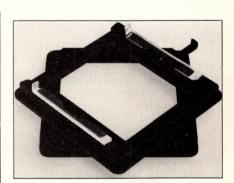
Cambo SCIIN

Includes: Camera body with bellows, tripod mount, ground glass, and lensboard.

With purchase of lens. \$ CB0199

Camera Body price \$349.50.

*Price applies when a camera and lens are purchased together. Choose from any Caltar large format lens listed in The Photographer's Catalog. Also qualifies for FREE lens mounting.



New Cambo Revolving Back Adapter

Now change from vertical to horizontal format. By simply releasing a locking lever. You can change formats in one quick, smooth motion. The back relocks automatically in the proper position.

Cambo SCIIN and revolving back adapter.

CB0199-0240

*with purchase of lens

Without lens purchase \$399.50

See pages 4, 5, and 13 for additional Cambo accessories.

Calumet View Camera Packages

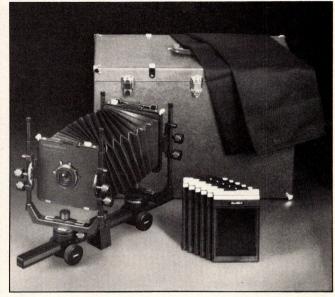




Calumet 540 View Camera Package

1 Calumet CC540 View Camera	CC5400
1 210mm f6.8 Caltar HR Lens	CL7212
1 Calumet Standard Focusing Cloth	CC9040
1 Calumet View Camera Carrying Case	CB0230
6 Lisco 4x5 Sheet Film Holders	LS4500

Total Package Price \$52950



Cambo SCIIN View Camera Package

1 Cambo SCIIN View Camera	CB0199
1 210mm f6.8 Caltar HR Lens	CL7212
1 Calumet Standard Focusing Cloth	CC9040
1 Calumet View Camera Carrying Case	CB0230
6 Lisco 4x5 Sheet Film Holders	LS4500

Calumet Accessory Kits



Accessory Kit #1 CC0031...\$ 99.00

Save \$31.70 over individual accessory prices when you purchase **Accessory Kit** #1 at our special package price.

Accessory Kit #1 Includes:

1 View Camera Carrying Case CB0230	\$ 89.95
4 Lisco 4x5 Sheet Film Holders LS4500 each	\$ 6.95
1 Calumet Standard Focusing Cloth CC9040	\$ 12.95

Accessory Kit #2 CC0032...\$149.00

Save \$41.80 over individual accessory prices when you purchase Accessory Kit #2 at our special package price.

Accessory Kit #2 Includes:
1 View Camera Carrying Case CB0230 \$ 89.95
6 Lisco 4x5 Sheet Film Holders LS4500 6 for \$ 36.00
1 Calumet Professional Focusing Cloth CC9041 \$ 18.95
1 Calumet 20" Professional Cable Release HV1000 \$ 12.95
1 Calumet Focusing Magnifier HR1000



Accessory Kit #3 CC0033...\$195.00

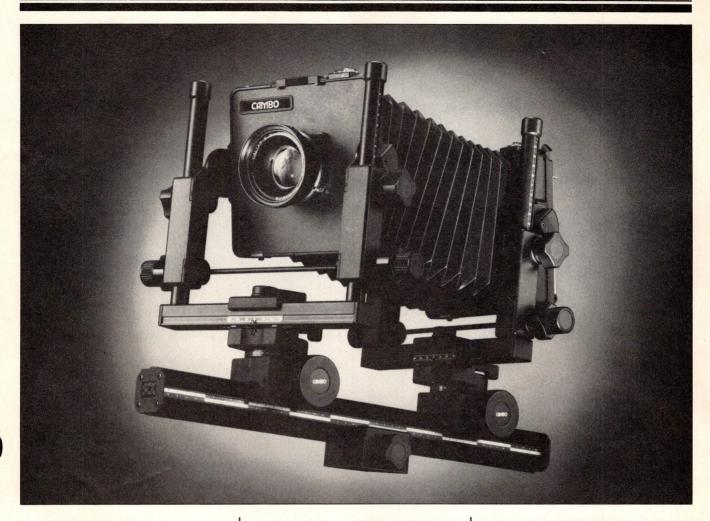
Save \$51.70 over individual accessory prices when you purchase Accessory Kit #3 at our special package price.

Accessory Kit #3 Includes:

riccessory rat a micration	
1 View Camera Carrying Case CB0230	89.95
6 Lisco 4x5 Sheet Film Holders LS4500 6 for \$	36.00
1 Calumet Classic Focusing Cloth CC9042	24.95
1 Calumet 20" Professional Cable Release HV1000\$	12.95
1 Calumet Focusing Magnifier HR1000	32.95
1 The View Camera: Operations and Techniques—book by H. Shamen AH1025\$	9.95
1 Fresnel Focusing Screen CB0218	

For fast delivery, Call free of charge,

1-800-323-2849 (In Illinois call 1-312-860-7447)



New Cambo SCX

Designed for even the most critical studio photographers, the New Cambo SCX offers an optimal combination of quality and performance. The design parameters for the SCX were to provide the highest degree of stability and precision without sacrificing ease of handling. This has been achieved through a totally new monorail and standard system which utilizes Cambo's extensive line of existing backs, accessories and lensboards.

New Features:

- All metal, die construction including all knobs and locking levers
- New maximum stability, calibrated monorail with precision rack and pinion focusing over the entire length. Coarse sliding focus also provided
- Calibrated lateral shift and swing movements with zero position click stops. New independent precision locking mechanisms
- Precision rack and pinion mechanism for rise and fall with calibrations and zero position click stops

- Single-handed operation of rise and fall and tilt movements
- Convenient conversion from 4x5 to 5x7 or 8x10
- Revolving back (standard on 4x5) model) rotates 360° with zero position click stops can be locked in any position
- Camera backs provided with connection for Prontor Professional Shutter System

Cambo SCX 4x5 Specifications:

- Tilt: 70° front and back-front standard tilts on optical axis
- Swing: 40° front and back
- Lateral Shift: 50mm front and back
- Rise and Fall: 100mm front and back
- Maximum extension (standard bellows): 19 in. Unlimited with extension bellows and monorails.
- Minimum extension (with recessed lensboard): 2% in.
- Weight: 13 lbs. 6 oz.

Prices and specifications subject to change without notice

Cambo SCX 4x5 View Camera

Includes: Camera body, bellows, tripod mounting back, ground glass, and lensboard.

With purchase of lens. \$49950* CB1000

Camera only price \$549.50

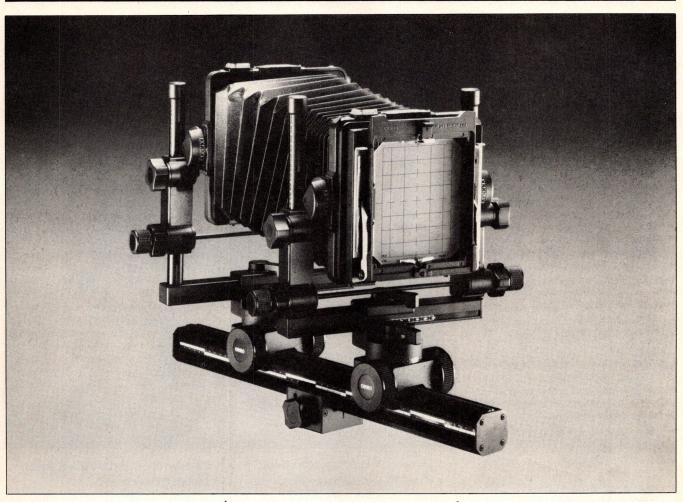
*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in The Photographer's Catalog. Also qualifies for FREE lens mounting.

For Fast Delivery, Call Free of Charge



1-800-323-2849

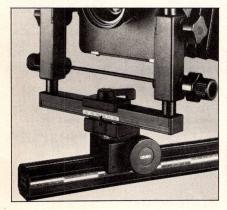
(In Illinois, call: 1-312-860-7447)



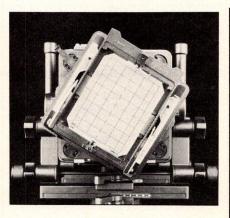
The overall design incorporates a sliding tripod mounting block, Identical front and rear standards for maximum versatility and

operating convenience. Wide range of professional accessories available for every application.

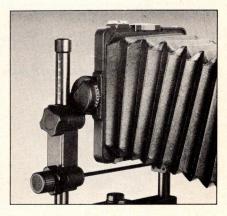
See pages 4, 5, and 13 of the *Photographer's Catalog* for details of the extensive accessory system for the Calumet CC540 view camera.



Massive double "V" monorail provides unprecedented stability. Calibrated in centimeter and 5 centimeter increments. Continuous rack and pinion focus over the entire monorail. Individual swing and shift locks, calibrated in degrees and millimeters.



Built-in 360° revolving back locks in vertical or horizontal position. The international back has built-in provision for the Prontor shutter system. Quick release standard block for easy conversion to 5×7 and 8×10 formats.



Front and rear standard posts are 17mm in diameter, calibrated in 1mm increments. Double rack and pinion rise and fall movement with double lock mechanism. On axis tilt system calibrated in degrees. Front and rear dual axis spirit levels. Slide lock for convenient lensboard and bellows release.

SCX 8x10 Features:

- All metal, die cast construction including all knobs and locking levers
- Non-reflective black finish
- New maximum stability, calibrated monorail with precision rack and pinion focusing over the entire length coarse sliding focus also provided
- Calibrated lateral shift and swing movements with zero position click stops, new independent precision locking mechanisms
- Precision rack and pinion mechanism for rise and fall with calibrations and zero position click stops
- Single-handed operation of rise and fall and tilt movements
- Convenient conversion from 8x10 to 5x7 or 4x5
- Camera backs provided with connection for Prontor Professional Shutter System
- Full system of accessories including reducing and split backs (see page 13)



Cambo SCX 8x10 Specifications:

- Tilt: 70° front and back—front standard tilts on optical axis.
- Swing: 40° front and back.
- Lateral Shift: 50mm front and back.
- Rise and Fall: 100mm front and back.
- Monorail Length: 750mm

Cambo SCX 8x10 View Camera

Includes: Camera body, bellows, tripod mounting block, ground glass, and

lensboard. \$119500 CB1400.....

Cambo SCX 5 x 7 View Camera





The Cambo SCX 5×7 view camera features the same incredibly rugged construction of the SCX 8×10 and 4×5 cameras. Format changes up to 8×10 or down to 4×5 can be made quickly and easily without removing the standard mounting blocks from the monorail. The SCX 5×7 is an excellent value for this format.

SCX 5 x 7 Features

- Systems capability from 6x9cm to 8"x10"
- Optional dividing back for 2 exposures on one sheet of 5"x7" film
- 5"x7" spring back with cm square ruled ground glass
- All other features are the same as other Cambo SCX system cameras

SCX 5 x 7 Specifications

- Tilt: 60° (front and back)
- Swing: Unlimited (front and back)
- Lateral Shift: 50mm
- Rise and Fall: 100mm
- Maximum Extension: 508mm (20")

Cambo SCX 5x7 View Camera

Includes: Camera body, bellows, tripod mounting block, ground glass, and lensboard.

Call for more information.

Accessories

See pages 4, 5, and 13 of the *Photographer's Catalog* for a complete listing of compatible accessories for the Cambo SCX series cameras.

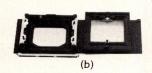
Prices and specifications subject to change without notice.

10

Cambo SC and SCX Accessories











Cambo SC System Accessories
Lenshoods
C8 Compendium Lenshood (not suitable with 360mm lens) CB0501
C100 Compendium Lenshood with frame for filter holders; swing-up system includes 2-C89 filter holders. (Not suitable with 360mm lens) CB0502 \$149.95 C89 Filter Holder for C100
CB0503 \$ 24.95
Lensboards
C7 Lensboard, flat, for #00 shutter (Hole 26.7mm) CB0508 \$ 19.95
C223 Lensboard, flat, for #0 shutter (Hole 34.7mm) CB0509 \$ 22.95
C224 Lensboard, flat, for #1 shutter (Hole 41.7mm) CB0510 \$ 24.95
C225 Lensboard, flat, for #3 shutter (Hole 65.1mm) CB0511 \$ 27.95
C42 Lensboard, recessed, for #00 shutter (Hole 26.7mm) CB0512 \$ 29.95
C228 Lensboard, recessed, for #0 shutter (Hole 34.7mm) CB0513 \$ 34.95
C93 Lensboard Adapter, accepting linhof lensboard CB0514.*\$109.95
C103 Lensboard Adapter, accepting Sinar lensboard CB0517.*\$189.95
Cambo SC II Monorails
C64 Monorail 11½" long CB0119
C64 Monorail 11½" long CB0119 \$ 39.95 C10 Monorail 21¼" long CB0311 \$ 59.95
C64 Monorail 11½" long CB0119 \$39.95 C10 Monorail 21¼" long CB0311 \$59.95 C37 Monorail 30" long CB0411 \$69.95
C64 Monorail 11½" long CB0119 \$ 39.95 C10 Monorail 21¼" long CB0311 \$ 59.95 C37 Monorail 30" long CB0411 \$ 69.95 C378 Connection Clamp for monorails CB0522 \$ 89.95
C64 Monorail 11½" long CB0119 \$ 39.95 C10 Monorail 21¼" long CB0311 \$ 59.95 C37 Monorail 30" long CB0411 \$ 69.95 C378 Connection Clamp for monorails CB0522 \$ 89.95 Miscellaneous
C64 Monorail 11½" long CB0119 \$39.95 C10 Monorail 21¼" long CB0311 \$59.95 C37 Monorail 30" long CB0411 \$69.95 C378 Connection Clamp for monorails CB0522 \$89.95 Miscellaneous C56 Spirit Level CB0524 \$9.95 C19 Bellows Support
C64 Monorail 11½" long CB0119 \$39.95 C10 Monorail 21¼" long CB0311 \$59.95 C37 Monorail 30" long CB0411 \$69.95 C378 Connection Clamp for monorails CB0522 \$89.95 Miscellaneous C56 Spirit Level CB0524 \$9.95 C19 Bellows Support CB0406 \$39.95
C64 Monorail 11½" long CB0119 \$39.95 C10 Monorail 21¼" long CB0311 \$59.95 C37 Monorail 30" long CB0411 \$69.95 C378 Connection Clamp for monorails CB0522 \$89.95 Miscellaneous C56 Spirit Level CB0524 \$9.95 C19 Bellows Support CB0406 \$39.95 Cambo SC IIN and SCX 4x5
C64 Monorail 11½" long CB0119 \$ 39.95 C10 Monorail 21¼" long CB0311 \$ 59.95 C37 Monorail 30" long CB0411 \$ 69.95 C378 Connection Clamp for monorails CB0522 \$ 89.95 Miscellaneous C56 Spirit Level CB0524 \$ 9.95 C19 Bellows Support CB0406 \$ 39.95 Cambo SC IIN and SCX 4x5 Dedicated Accessories C17 Wide Angle Bellows, leather
C64 Monorail 11½" long CB0119 \$ 39.95 C10 Monorail 21¼" long CB0311 \$ 59.95 C37 Monorail 30" long CB0411 \$ 69.95 C378 Connection Clamp for monorails CB0522 \$ 89.95 Miscellaneous C56 Spirit Level CB0524 \$ 9.95 C19 Bellows Support CB0406 \$ 39.95 Cambo SC IIN and SCX 4x5 Dedicated Accessories C17 Wide Angle Bellows, leather CB0208 \$189.95 C324 Wide Angle Bellows, imitation leather
C64 Monorail 11½" long CB0119
C64 Monorail 11½" long CB0119 \$39.95 C10 Monorail 21¼" long CB0311 \$59.95 C37 Monorail 30" long CB0411 \$69.95 C378 Connection Clamp for monorails CB0522 \$89.95 Miscellaneous C56 Spirit Level CB0524 \$9.95 C19 Bellows Support CB0406 \$39.95 Cambo SC IIN and SCX 4x5 Dedicated Accessories C17 Wide Angle Bellows, leather CB0208 \$189.95 C324 Wide Angle Bellows, imitation leather CB0209 \$129.95 C6 Normal Bellows for SCII CB0207 \$79.95 C20 Aluminum Carrying Case
C64 Monorail 11½" long CB0119 \$39.95 C10 Monorail 21¼" long CB0311 \$59.95 C37 Monorail 30" long CB0411 \$69.95 C378 Connection Clamp for monorails CB0522 \$89.95 Miscellaneous C56 Spirit Level CB0524 \$9.95 C19 Bellows Support CB0406 \$39.95 Cambo SC IIN and SCX 4x5 Dedicated Accessories C17 Wide Angle Bellows, leather CB0208 \$189.95 C324 Wide Angle Bellows, imitation leather CB0209 \$129.95 C6 Normal Bellows for SCII CB0207 \$79.95 C20 Aluminum Carrying Case CB0210 \$249.95 SCS45 Carrying Case, 3 compartments
C64 Monorail 11½" long CB0119 \$39.95 C10 Monorail 21¼" long CB0311 \$59.95 C37 Monorail 30" long CB0411 \$69.95 C378 Connection Clamp for monorails CB0522 \$89.95 Miscellaneous C56 Spirit Level CB0524 \$9.95 C19 Bellows Support CB0406 \$39.95 Cambo SC IIN and SCX 4x5 Dedicated Accessories C17 Wide Angle Bellows, leather CB0208 \$189.95 C324 Wide Angle Bellows, imitation leather CB0209 \$129.95 C6 Normal Bellows for SCII CB0207 \$79.95 C20 Aluminum Carrying Case CB0210 \$249.95

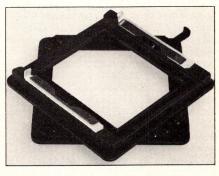
**Must be used with C158 Fresnel lens.

ordering.

*Specify exact measurements of lensboard when

T21 In line Viewing Hood CB0221 (a) \$79.95 C4 Bracket for focusing cloth CB0219 \$14.95 C43 Ground Glass, ruled CB0214 \$14.95 C158 Fresnel Lens CB0218 \$39.95 C40 Roll Film Adapter back, with sliding ground glass panel, accepting T20 or T21 CB0202 (b) \$359.95 C202 Reducing frame from 4"x5" to 2½"x3½" accepts SC60/SC210 CB0223*** \$179.95 C210 Roll Film Adapter back with removable ground glass panel 2½"x3½"/6"x9" CB0102 \$149.95 C386 Split Back for 4"x5" CB0206 \$399.95 C55 Tilting Tripod Head CB0527 (d) \$89.95 Cambo SCX 8x10 Dedicated Accessories C380 Wide angle bellows leather CB0404 \$329.95 C326 Wide angle bellow imitation leather CB0405 \$29.95 C336 Normal bellows for SC IV CB0403 \$299.95 C34 Bracket for focusing cloth CB0409 \$18.95 C34 Ground Glass, ruled CB0418 \$33.95 C339 Compendium, for use with 360mm lens CB0408 \$269.95 C207 Reducing frame from 8"x10" to 5"x7," accepts C11/C12/C106 CB0414 *** \$254.95 C12 Spring back for metal single plate holders 5"x7" CB0302 \$189.95 C12 Spring back for metal single plate holders 5"x7" CB0301 \$189.95 C12 Spring back for metal single plate holders 5"x7" CB0302 \$189.95 C18 Revolving 4x5 Adapter with ground glass back CB0235 \$169.95 C268 Revolving 4x5 Adapter with ground glass back CB0235 \$169.95	
C4 Bracket for focusing cloth CB0219	T21 In line Viewing Hood CB0221 (a)
C43 Ground Glass, ruled CB0214	C4 Bracket for focusing cloth
C158 Fresnel Lens CB0218	C43 Ground Glass, ruled
C40 Roll Film Adapter back, with sliding ground glass panel, accepting T20 or T21 CB0202 (b) \$359.95 C202 Reducing frame from 4"x5" to 2\footnote{2}\footnote{2}\footnote{3}\footnote{4}\footnote{2}\footnote{4}\footnote{2}\footnote{4}\footnote{2}\footnote{4}\f	C158 Fresnel Lens
CB0202 (b)	C40 Roll Film Adapter back, with sliding
2¼"x3¼" accepts SC60/SC210 CB0223*** \$179.95 C210 Roll Film Adapter back with removable ground glass panel 2¼"x3¼"/6"x9" CB0102 \$149.95 C386 Split Back for 4"x5" CB0206 \$399.95 C55 Tilting Tripod Head CB0527 (d) \$89.95 Cambo SCX 8x10 Dedicated Accessories C380 Wide angle bellows leather CB0404 \$329.95 C326 Wide angle bellow imitation leather CB0405 \$229.95 C336 Normal bellows for SC IV CB0403 \$299.95 C39 Aluminum carrying case CB0407 \$399.95 C34 Bracket for focusing cloth CB0409 \$18.95 C54 Ground Glass, ruled CB0418 \$33.95 C339 Compendium, for use with 360mm lens CB0408 \$269.95 C207 Reducing frame from 8"x10" to 5"x7," accepts C11/C12/C106 CB0414 *** \$254.95 C206 Reducing frame from 8"x10" to 4"x5," accepts C168/C40 CB0413 *** \$229.95 C11 Spring back 5"x7" CB0301 \$189.95 C12 Spring back for metal single plate holders 5"x7" CB0302 \$189.95 C168 International back 4"x5" CB0201 \$19.95 C40 Roll film adapter back fits C206 and SC II CB0202 \$359.95 C387 Split back for SC IV (2.5"x8" on 8"x10" film) CB0402 \$594.95 C268 Revolving 4x5 Adapter with ground	CB0202 (b)
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CB0102	C210 Roll Film Adapter back with removable
CB0206	CB0102 \$149.95
Cambo SCX 8x10 Dedicated Accessories C380 Wide angle bellows leather CB0404	CB0206
C380 Wide angle bellows leather CB0404 \$329.95 C326 Wide angle bellow imitation leather CB0405 \$229.95 C336 Normal bellows for SC IV CB0403 \$299.95 C39 Aluminum carrying case CB0407 \$399.95 C34 Bracket for focusing cloth CB0409 \$18.95 C54 Ground Glass, ruled CB0418 \$33.95 C339 Compendium, for use with 360mm lens CB0408 \$269.95 C207 Reducing frame from 8"x10" to 5"x7," accepts C11/C12/C106 CB0414 *** \$254.95 C206 Reducing frame from 8"x10" to 4"x5," accepts C168/C40 CB0413 *** \$229.95 C11 Spring back 5"x7" CB0301 \$189.95 C12 Spring back for metal single plate holders 5"x7" CB0302 \$189.95 C168 International back 4"x5" CB0201 \$109.95 C40 Roll film adapter back fits C206 and SC II CB0202 \$359.95 C387 Split back for SC IV (2.5"x8" on 8"x10" film) CB0402 \$594.95 C268 Revolving 4x5 Adapter with ground	CB0527 (d)
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CB0404	C380 Wide angle bellows leather
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CB0403	CB0405
CB0407	CB0403
CB0409	CB0407 \$399.95
CB0418	CB0409
CB0408	CB0418
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C40 Roll film adapter back fits C206 and SC II CB0202	C168 International back 4"x5"
C387 Split back for SC IV (2-5"x8" on 8"x10" film)	C40 Roll film adapter back fits C206 and SC II
C268 Revolving 4x5 Adapter with ground	C387 Split back for SC IV (2-5"x8" on 8"x10"
	C268 Revolving 4x5 Adapter with ground

^{***}To calculate price of complete reducing back, combine prices of reducing frame and back desired.



New Cambo Revolving Back

Now change from vertical to horizontal format. By simply releasing a locking lever. You can change formats in one quick, smooth motion. The back relocks automatically in the proper position.

No matter which model Cambo 4 x 5 you own, the spring back SC's, the International back SCII's, or the New Cambo SCIIN, the revolving back will fit. For SCII's and SCIIN's, you will only need the rotating adapter (CB0240). This will be used in conjunction with your existing ground glass back. Cambo SC models can be converted to International back cameras with the purchase of the revolving back adapter with ground glass back (CB0235). This will convert your spring back camera and allow you to use all International back accessories in addition to all current Cambo accessories.

The New Cambo Revolving Back includes M6 connection required for new Prontor shutter system.

The revolving back is also designed to fit all Cambo 8 x 10 to 4 x 5 reducing frames.

For further information concerning Cambo accessories, contact Calumet.

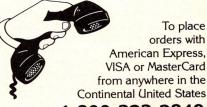
Cambo 4 x 5 Revolving Adapter Complete with Ground Glass Back.

Ground Glass Back.

CB0240only \$ 89.95

For a detailed listing of Cambo compatible accessories, see pages 4 and 5.

For Fast Delivery, Call Free of Charge



1-800-323-2849 (In Illinois, call: 1-312-860-7447)

The Horseman 450 4 x 5 View Camera



The Horseman 450 serves as the heart of a comprehensive photographic system which includes accessories for every professional application. Recent additions to the Horseman system include 5 x 7 and 8 x 10 format conversion sets, and adaptation to the Prontor Professional Shutter system. With its precision, versatility and accessories, the Horseman 450 virtually offers performance beyond price.

The Horseman 450 Optical Bench Modular System Camera certainly warrants very close examination by every photographer involved in large format studio or field work. Its underlying design concept was to provide a most flexible system of unsurpassed operating convenience. A striking example of this concept can be found in the unique focus retention system which eliminates the need for refocusing when the film plane is tilted or swung, because the swing and tilt axis remain on the film plane. The fact that all controls can be conveniently assembled on either the left or right hand side also points out this overriding concern with increased operating efficiency.

From the solid, diecast tripod block, the rigid H-on-its-side monorail with double rack and pinion drive to the positive positioning locks and duplicated, clearly legible white-on-black calibration scales, every detail indicates the painstaking concern with truly professional standards.

LIST OF FEATURES

- rugged "L" support system for maximum stabilty
- rack and pinion focus, rise and lateral shift for fluid smooth focusing and movement
- positive locks offer fingertip control
- on-axis swings and tilts designed for minimum refocusing
- modular design for quick, convenient set-up
- use lenses as short as 65mm without recessed lensboard
- movement calibrations are easy to see from the front or back
- compact size allows it to be carried in an attache-type case
- interchangeable bellows and monorail sections
- calibrated monorail



SPECIFICATIONS

- Construction: Die-cast aluminum alloy
- Finish: Non-reflective, matte black
- Tilt: 360° (unlimited)
- Swing: 360° (unlimited)
- Rise and Fall: 60mm (front and back)
- Lateral Shift: 60mm (front and back)
- Maximum Extension: 390mm (15.75")
- Minimum Extension: 60mm (2.36")
- Lensboard: 140mm x 140mm (5.5" x 5.5")
- Spirt Levels: 2 (rotating)
- Swings and Tilts: on axis
- Back: International with cm square ruled ground glass
- · Weight: 8.8 Lbs.

Horseman 450 View Camera

Includes: Camera body with bellows, tripod mount, ground glass, fresnel lens, and lensboard.

With the purchase of lens **HR4500**

\$699⁵⁰*

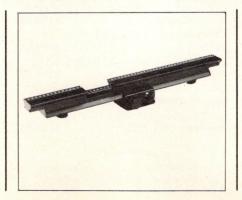
Camera only price \$749.50.

*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in *The Photographer's Catalog*. Also qualifies for FREE lens mounting.

Horseman 450X View Camera

The Horseman 450X is ideal for studio photographers who require maximum bellows extensions. This camera offers the unique expandable length monorail combined with all of the standard Horseman 450 features. The monorail can be expanded from a standard length of 500mm to an extended length of 800mm. The normal bellows is capable of 22 in. of extension, therefore the addition of a bellows coupling standard and an extra bellows may be desired.

Prices and specifications subject to change without notice



Horseman 450X View Camera

Includes: Camera body with bellows, tripod mount, ground glass, fresnel lens, and lensboard.

With the purchase of lens HR4505

\$79950*

Camera only price \$849.50.

*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in *The Photographer's Catalog*. Also qualifies for FREE lens mounting.

The Horseman Optical Bench View camera system has been expanded to the 8x10 format. The Horseman 810 view camera offers the same advantages as the renowned Horseman 450 including Horseman's focus retention system made possible by the optical axis swing and tilt of the L-shaped standards. The precision and fine engineering which has made the Horseman 450 a leader in its class is even more evident in this new, larger model.

Most of the Horseman 450 components and nearly all of its accessories are compatible with the Horseman 810. This modular design permits practical conversion of Horseman 4x5 cameras to the 8x10 format.

One of the outstanding features of the Horseman 810 is the extendable monorail. This new rail extends from an original length of 500mm to 800mm, and is interchangeable with other Horseman models.

Horseman 810 Features:

- Rugged "L" support system for maximum stability
- Rack and pinion focus, rise and lateral shift for fluid smooth focusing and movement
- Positive locks offer fingertip control
- On-axis swings and tilts designed for minimum refocusing
- Modular design for quick, convenient set-up
- Movement calibrations are easy to see from the front or back
- Interchangeable bellows and monorail sections
- Calibrated extendable monorail



Horseman 810 Specifications:

- Construction: Die-cast aluminum alloy
- Finish: Non-reflective, matte black
- Tilt: 360° (unlimited)
- Swing: 360° (unlimited)
- Rise and Fall: Front-60mm down; Rear-60mm up
- Lateral Shift: Front 30mm left and right; Rear - 30mm left and 60mm right
- Weight: 8.5 kilograms

- Lensboard: 140mm x 140mm (5.5"x5.5")
- Spirit Levels: 2 (rotating)
- Swings and Tilts: on axis
- Back: International with cm square ruled ground glass

Horseman 810 View Camera

\$1495⁰⁰

Includes: Camera body with bellows, tripod mount, ground glass and lensboard.

New Horseman 5x7 View Camera



The Horseman 570 is another new addition to the growing Horseman system. This often forgotten format has recently become more popular, partially due to the increasing cost of film. Horseman has recognized the need for a precision view camera in this format and designed the 570. All of the Horseman system accessories are compatible with the new Horseman 570.

The 5x7 camera utilizes the same front and rear L supports as the Horseman 450. Only the rear main frame, which attaches the ground glass back and bellows to the L support, is modified. The Horseman 570 is supplied with the new extendable monorail.

Features:

• Same as Horseman 450 and 810

Specifications:

- Construction: Die-cast aluminum alloy
- Finish: Non-reflective, matte black
- Tilt: 360° (unlimited)
- Swing: 360° (unlimited)
- Rise and Fall: Front—60mm down; Rear - 30mm up



- Lateral Shift: Front 30mm left and right; Rear-60mm right
- Maximum Extension: 470mm
- Minimum Extension: 60mm
- Weight: 6 kilograms

Horseman 570 View Camera HR5700

Includes: Camera body with bellows, tripod

mount, ground glass and lensboard.

Much of the appeal of a view camera lies not only in the camera itself, but also in its accessories which complete the system. The Horseman 450 is fast becoming recognized as the best value in an ultra-sophisticated system view camera. Supporting this system is a wide range of practical and useful accessories.



Horseman Bellows Lens Shade with Filter Holder.

Considered by many to be the most important view camera accessory, the compendium lens shade is the only accessory that can have a direct effect on image quality. The Horseman bellows lens shade is one of the lightest compendiums available for any view camera. Its compact size when folded also means that it takes up minimal space in the accessory case. The mounting hardware is very positive, yet the convenient hinge design makes it extremely easy to flip up the shade to make lens adjustments and cock the shutter. The shade is supplied with three different filter masks for 3 x 3, 4 x 4, and 5 x 5 gel filters. The front of the shade is also slotted for use as a matte box or for additional special effect filters. The shade will accommodate lenses up to 125mm in dia.

Horseman bellows lens shade and filter holder HR4640 \$229.95



Horseman Folding Focusing Hood

The Horseman folding focusing hood is an excellent accessory for the location photographer. It is operated much the same way as the folding hoods on the old Graflex type cameras. When extended the hood provides enough shading for good ground glass viewing under most conditions, especially when used with a Fresnel screen. When folded the hood literally takes up no extra space when stored on the back of the camera making it ideal for those using the Horseman attache carrying case. The folding focusing hood is also hinged so that it can be swung out of the way while a lupe is easily placed on the ground glass for precise focusing without removing the entire hood.

Horseman folding focusing hood HR4609 \$69.95



Horseman Mirror Reflex Viewer

Eliminates the need for a focusing cloth. Full vision viewing binocular system with 1.5X magnification. Lets you view ground glass image right up. Adjustable mirror for optimum image brightness.

HR4610 \$239.95



Horseman Wide Angle Bag Bellows

The wide angle or "bag" bellows is used with lenses 90mm or shorter in focal length. This bellows is especially suited for architectural and interior photography where short lenses and maximum movements are necessary. An ideal companion accessory to the wide angle bellows is the 9.75 in. short monorail. HR4606\$139.95

Horseman Standard Square Bellows—22 in. maximum extension HR4603 ... \$149.95 Horseman Bellows Connecting Frame HR4627 \$179.95

Ground Glass

Horseman standard ground glass**
HR4612\$ 19.95
Horseman aerial image ground glass**
HR4615\$114.95
Horseman Fresnel focusing screen**
HR4616\$ 39.95



New Horseman Economy Case

Horseman Lensboard

Horseman 450 Adapter Lensboards**

**Country of origin, Japan.



Horseman Bayonet Lens Mounting

System (for large format lenses) Bayonet mount for ease of changing lenses from one camera to another. Saves lens storage space in carrying case. **



Horseman Quick Shoe



Horseman Attache Carrying Case

Horseman Metal Case

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Horseman 450 Accessories







Horseman 6x12cm Roll Film Holder



Horseman 4 x 5 Camera Roll Film Holders

Horseman roll film holders combine the creativity of view camera movements with the economy and convenience of roll film. These precision made backs are not only an excellent match to the Horseman 450, but are also usable on any camera designed with the 4 x 5 international locking system. The roll film holders are available in 6 x 7 and 6 x 9 cm sizes in both 120 and 220 film sizes. The newest and possibly most exciting roll film back is the 6 x 12 cm 120 holder. This 6 x 12 cm roll holder offers new possibilities with its 2:1 width to height ratio. This holder is ideal for wide angle or panoramic use. For example: with a 65mm lens the field of view covers 88 degrees of arc.

Horseman 6x7 cm 120 Roll Film Holder HR4637
Horseman 6x9 cm 120 Roll Film Holder HR4634
Horseman 6x7 cm 220 Roll Film Holder HR4639
Horseman 6x9 cm 220 Roll Film Holder HR4638





Horseman Driving Aid



Through-The-Lens Exposure Meter Horseman 4"x 5" through-lens optical exposure computer** See page 46 for details.



Horseman Rotary Back Model III

The Model III Rotary Back differs from the Model II back in that it is designed specifically for use on the Horseman 450. This dedicated design reduces the rear film plane extension to 18mm. The rotary back is ideal for photographers that make extensive use of roll film. This accessory allows for quick and easy switching from roll film back to ground glass without using a dark slide. The rotary back is supplied with a ground glass screen and utilizes the same 21/4 x 31/4 international lock system as the Horseman VH-R. VH-R accessories such as roll film backs and the optical angle viewer are, therefore compatible. International locking backs of this size other than the Horseman VH-R holders may also be used. For instance, Mamiya RB-67 roll film backs can be utilized although the dark slide must be removed.

Horseman Rotary Back Model III HR4633 \$299.95

Horseman Rotary Back Model II

Features rotating glass screen and opening for 6x9cm international lock accessories. Ground glass rotates into position for easy focusing, then the film holder or roll film back rotates into position for exposure without using dark slide.

HR4632 \$299.95



Horseman 6x9 Revolving Back**

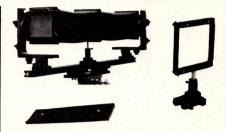
A reducing back from 4" x 5" to 6x9cm that accepts the following Horseman VH-R accessories: Roll Film backs HR9310, HR9320, 9330, 9340; 6x9cm sheet film holder HR9305; Polaroid back HR9360. Supplied with slide lock type 6x9cm ground glass back.

HR4649 \$239.9



Horseman Focusing Magnifier

**Country of origin, Japan.



Horseman Extra Long Monorail Conversion Kit

For those requiring high magnification close up capability, the extra long monorail conversion kit is available. This kit contains several components including: a 1 meter long monorail, an additional standard Horseman bellows (390mm), an intermediate bellows connecting frame, 1 additional tripod block, and a support base.

When using the camera in this configuration the original tripod block is used with the additional block to provide the necessary support for such a long monorail. The two tripod blocks are mounted to the support base which is then mounted to the tripod or stand. This arrangement preserves the precise focusing ability of the Horseman 450 by allowing the entire 1 meter rail assembly to be moved, via rack and pinion, back and forth relative to the tripod mounting position. Each of the components of this kit is also available separately.

Horseman extra long monorail conversion kit HR4629\$549.95

Horseman Monorails and Accessories

9.75 in. wide angle monorail HR4684	\$ 68.95
22 in. close up monorail HR4618	\$ 99.95
1 meter macro monorail HR4620	\$169.95
Horseman tripod mounting blo	
Horseman Support Base	\$125.95



Horseman Split Image Adapter

Makes two separate images on one 4 x 5 film. Features two 135mm f4.5 lenses mounted with integral shutter. **Call for price.**

For fast delivery, Call free of charge, Monday through Friday 9 am to 5 pm Central Time 1-800-323-2849 (In Illinois, call 312-860-7447)

The Horseman VH-R Medium Format Camera



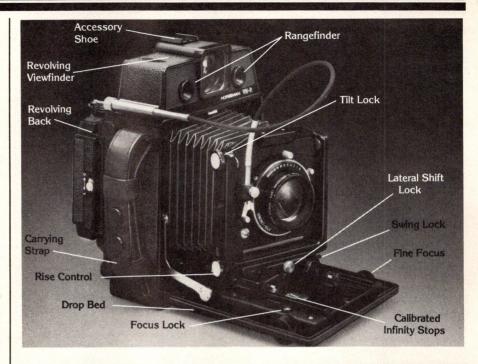
If you demand more than your 35mm camera offers, and require greater creative freedom, then the Horseman VH-R is the right camera for you. It's ideal for location photography and nature shots because it's a lightweight, folding camera that's compact and easy to carry or backpack. With view camera movements, the VH-R offers a variety of large format picture sizes from 6x7cm to 4"x5" with accessory back.

SPECIFICATIONS

- Large 6x7cm format
- Design: Flat bed, folding technical field camera
- Rangefinder: Cam coupled for all Horseman lenses
- Revolving optical viewfinder
- Built-in revolving ground glass back, 6x9cm
- Parallax: Automatically corrected (85%)
- Bed Drop: 15°
- Lateral Shift: 30mm
- Maximum Extension: 272mm (10.7")
- Tilt: Front +10°-15°. Back ±11°
- Swing: Front ±15°, Back ±10°

Horseman VH-R camera body only (less lens and roll film holder) includes ground glass back. For 6x9cm sheet film.

HR9000.....\$695.95



Horseman VH-R Package

Horseman VH-R body HR9000 105mm f3.5 lens** HR9105 Cable release HR9199 One of the following roll film backs:

120 6 x 7cm roll film holder HR9320 120 6 x 9cm roll film holder HR9310 220 6 x 7cm roll film holder HR9340 220 6 x 9cm roll film holder HR9330

Total Package Price ...

105mm (3.5 professional

**For lenses other than the 105mm f3.5 professional lens, add the difference between \$289.95 and the price of the lens you choose.

VH-R Accessories

Horseman Lenses and Lensboards
65mm f/7.0 Super Wide Angle HR9065
75mm f/5.6 professional Wide Angle** HR9075
90mm f/5.6 Super Standard Lens** HR9090\$369.95
105mm f/3.5 professional** HR9105
105mm f/4.5 Super Standard Lens, (will cover 4"x5" format)** HR9106 \$549.95
120mm f/5.6 Super Standard, (will cover 4"x5" format)** HR9120 \$398.95
150mm f/5.6 Super Lens, (will cover 4"x5" format)** HR9150 \$359.95
180mm f/5.6 telephoto** HR9180\$379.95
Blank Std. flat lensboard** HR9190 \$ 34.95
Std. flat lensboard drilled** HR9191 \$ 39.95
Recessed lensboard** HR9192 \$ 46.95
Cable Release** HR9199 \$ 12.95
NOTE: A focusing cam is furnished with each lens. Lenses come mounted in a lensboard. Extra cams for any lens. \$24.95 ea.
Horseman Electrical Grip Electrical grip with solenoid release and

remote control switch**
HR9395\$ 99.95

Rotary Back

Horseman Rotary Back Type I for use with
Model 980, 985 and VH Camera. Ground glass
back or film holder not included**
HR9370 \$269.95
Harraman Comming Coop
Horseman Carrying Case

finish** HR9385\$129.95
Horseman heavy duty deluxe alum. carrying case w/velvet lining**
HR9387 \$154.95
Horseman Flash Brackets
38mm flash clamps (sets of 2)** HR9396
45mm flash clamps (sets of 2)**

HR9397 \$ 26.95

6x9cm, 21/4"x31/4", 16 exposures on 220 roll**
HR9330 \$199.95
6x7cm, 21/4"x23/4", 20 exposures on 220 roll**
HR9340 \$199.95

For complete information, call or write Calumet for the Horseman VH-R brochure.

Horseman Lens Hoods

Fits 90mm, 105mm professional, 150m	ım
and 120mm** HR9210\$	12.95
Fits 65mm and 75mm**	
HR9212\$	12.95
Horseman VH.P. A"v5" Adapter	

Horseman VH-R 4"x5" Adapter and Accessories

All new 4"x5" format, ground glass back with focusing bellows, fits 6x9cm Graflok**
HR9350\$249.95

Focusing glass for Polaroid back.
Provides ground glass for focusing in same plane as Polaroid film holder.**

HR9362 \$ 38.95

Horseman Optical Exposure Computer Through-The-Lens Exposure Meter

Fits like 21/4"x31/4" sheet film holder**
HR9380 \$249.95
Soft leather case for exposure meter**
HR9381 \$18.95
"B" Battery PX-640 DU6400 \$1.95
"A" Battery TR-114R DU6195 \$7.00

**Country of Origin, Japan

Horseman 45F Field Camera

The new Horseman 45F field camera offers a new standard of excellence in the area of 4x5 in. folding field cameras. The 45F combines the compact size and portability of conventional field cameras with the strength and precision of Horseman die-cast and machined construction. The flat bed design is patterned after the popular Horseman VH roll film cameras. The back of the 45F is compatible with all of the viewing and focusing accessories of the Horseman 450 system. Rugged stability and precise locking of movements set the 45F apart from other 4x5 field cameras.

Horseman 45F Features:

- Design: flat bed folding technical field camera
- Full 4x5 format
- International lock 4x5 ground glass back with fresnel lens compatible with Horseman 450 accessories
- Construction: Die cast aluminum alloy
- Finish: Non-reflective matte black

45F Specifications (front movements):

- Bed Drop: 15°
- Rise: 28mm
- Swing: 15° right or left
- Tilt: 10° forwards, 15° backwards
- Shift: 30mm left or right
- Back: 4 way swing/tilt possible



Available Mid 1983.

Horseman 45F 4x5 Field Camera

With purchase of lens \$50050* HR4502

Camera only price \$649.50.

*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in The Photographer's Catalog. Also qualifies for FREE lens mounting

Folded Size: 185x167x95mm

Lensboard: 80x80mm

Maximum bellows extension: 260mm

Minimum bellows extension: 60mm

Weight: 1.7 kilograms

Horseman Wide Cameras



The Horseman Wide cameras offer full wideangle 4x5 photography with the convenience of compact hand-held camera design. These cameras are ideal for field, architectural, interior, and group picture applications. The cameras consist of modular components of the Horseman 450 system, with specially designed lensboard helicoids. The Horseman electrical grip and optical viewfinders provide the convenience of hand-held use. The 4x5 ground glass back is compatible with Horseman 450 accessories including 6x7, 6x9, and 6x12 cm roll film backs.

Horseman Wide Specifications:

- Type: Hand held 4x5" Camera. The camera body consists of a modular part of Horseman 450
- Film Size: 4x5" at f22 to f45. 6x7 cm, 6x9 cm or 6x12 cm with using Horseman Roll
- Lens: Super Horseman 65mm f7 (4:6). Super Horseman 90mm f5.6 (4:6)
- Shutter: Seiko SLV #0 B., 1-1/500. F Stops: f7-f45 (65mm); f5.6-f45 (90mm)
- Synchronization: X Synch
- Finder: Interchangeable bright frame finder each for 65mm and 90mm
- Focusing: Eye measurement with helicoid
- Filter Size: 40.5mm ø screw-in type both for 65mm and 90mm lenses



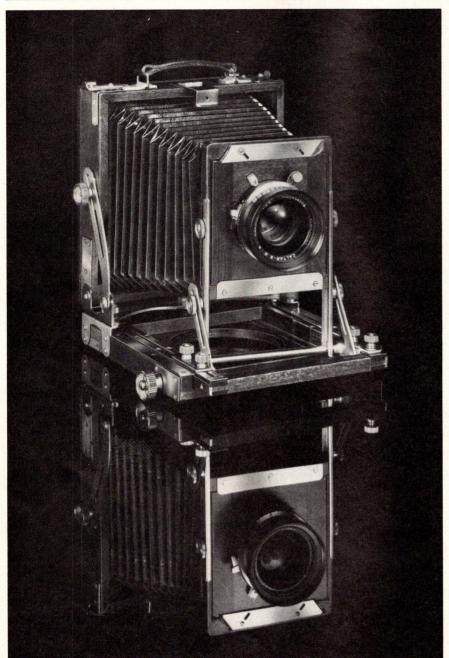
- Camera Back: International standard, 2-way insert-spring back type with 10mm grid pattern ground glass and fresnel lens
- Size: Horseman Wide 65: 115x185x195mm Horseman Wide 90: 125x185x195mm excluding grip and finder
- Weight: 1,900 g each

Horseman Wide 90 Camera

Complete HR5090

Horseman Wide 65 Camera Complete HR5065

C



The Calumet Wood-Field is the result of the close cooperation between the Calumet product development staff and one of the world's major manufacturers of wooden field cameras. The culmination of this effort is a rugged light weight affordable field camera constructed of solid cherry wood with brass colored controls and accents.

At \$299.50 you might expect the camera to be a kit. It's not...the camera is completely assembled and includes the ground glass back and lensboard.

SPECIFICATIONS

- Construction: Lacquered cherry wood with brass colored metal controls and accents.
- Maximum bellows length: 12 inches (305mm)
- Minimum bellows length: 2½" (54mm)
- Front tilt: 80 degrees forward, 15 degress backward
- Rear tilt: 45 degrees forward,
 15 degrees backward
- Front swing: ±10 degrees total
- Rear swing: ±10 degrees total

- Front rise: 134" (45mm)
- Horizontal/vertical back accepts standard 4x5 sheet film holders, Calumet C-2 roll film holder, Polaroid® 545, 550, and 405 holders.
- Focusing: flat bed dual track rack and pinnion
- Tripod mount: 1/4"x20" standard U.S.
- Carrying strap included



The 90mm circular opening in the bed means the camera can be folded and carried with most lenses in place. We think you will agree that this economical camera is an excellent choice for all general field applications.

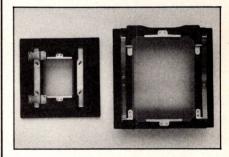
Calumet Wood-Field 4" x 5" Field Camera

Includes: Camera body with bellows, ground glass, and lensboard.

With purchase of lens. \$27950 *CW1000.....

Camera Body price \$299.50.

*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in *The Photographer's Catalog*. Also qualifies for FREE lens mounting.



ACCESSORIES

The Calumet/Gowland Pocket View





We believe the Pocket View is the smallest lightest 4x5 view camera in the world. It weighs about 2 pounds! The camera collapses to only 2" in thickness, 7" in width and 8%" in height. By removing the two piece monorail it's small enough to carry in a large pocket.

Who needs it? The Pocket View goes anywhere without sacrificing the space necessary to carry a standard view camera. It's great for industrial and commercial photographers who must travel light; hikers, back packers, mountain climbers or anyone requiring view camera capabilities without the bulk.

World famous photographer, Peter Gowland, recognized the need for such a camera, and designed the Pocket View on the premise that the small light weight camera must have the flexibility and rigidity of its larger counterparts along with the versatility to accept multiple formats: sheet film, the Calumet C-2 roll film holder, and Polaroid® holders.

SPECIFICATIONS:

- Construction: all metal aluminum body with weatherized vinyl clad bellows
- Rear tilt: 75 degrees forward, 25 degrees backward
- Front tilt: 75 degrees forward, 60 degrees backward
- Rear swing: ±75 degrees
- Front swing: ±75 degrees
 Front rise: 2.75" Rear: None
- Front shift: 2" Rear: None
- Monorail: two piece, total length: 12.5"
- Bellows extension: Maximum 12.75" Minimum 1.75"
- Focusing: angular keyway front, slide rear



- Movement locks: metal socket head machine screws, wrench operated for maximum stability and reduced weight and bulk.
- Lensboard: 3.75" x3.75"

Calumet/Gowland Pocket View

Includes: Camera body with bellows, tripod mount, ground glass, and lensboard.

With purchase of lens. \$19950* CG1000

Camera only price \$219.50.

*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in The Photographer's Catalog. Also qualifies for FREE lens mounting.

ACCESSORIES

Calumet/Gowland Pocket View extra flat lenboard CG1010 \$ 12.95



The easy to assemble Porta Vu 45 Kit goes together in only 3 or 4 hours, excluding finishing time.

Porta Vu 45 Calumet breaks price barrier.

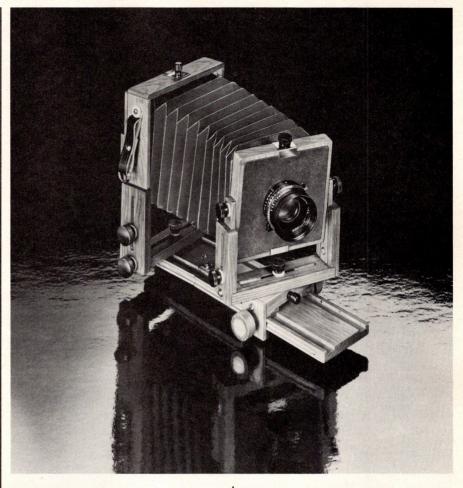
For the first time, a low cost portable, lightweight, folding 4x5 view camera that goes everywhere. Weighing in at an incredible 2¾ lbs., the Porta Vu 45 is ideal for backpacking, location and studio photography.

The Porta Vu 45 kit is the result of years of research and development by architect, photographer and veteran camera designer, Lester Fader. It is a full featured view camera that folds into an amazingly compact depth of only 5½."

American Cherry was selected for its strength, stability and finishing qualities. When you have completed the easy to assemble Porta Vu 45 kit, you will be the proud owner of a superbly functional view camera that can be finished with the warmth and beauty of hand-crafted furniture with solid brass accents.

Specifications:

- Rise (front and back): 2"
- Swings (front and back): ±45°
- Tilts (front and back): ±45°
- Lateral Shift: ±1"
- Maximum extension: 13"
- Minimum extension: 3¼" with recessed lensboard: 2"



- Friction focusing
- Folded dimensions: 103/4"x81/2"x51/2"
- Horizontal vertical spring back
- Interchangeable lensboards
- Weight: 23/4 lbs.
- Recommended for tripods with a platform width of 3" or less
- Construction: Selected American cherry with brass fittings
- Assembly: approx. 3-4 hours.

PortaVu 45 Camera Kit

Includes: All camera parts, ground glass, and lensboard.

With purchase of lens \$ 10950*
LF1000

Camera only price \$129.50

*Price applies when camera and lens are purchased together. Choose from any Caltar large format lens listed in *The Photographer's Catalog*. Also qualifies for **FREE** lens mounting.

Porta Vu 45 Accessories

The Porta Vu 45 is a complete system which includes the following accessories:

- 3. Recessed Lensboard, for 90mm and shorter lenses. LF2021...\$ 19.95
- 4. Quick Release Platform for tripod heads larger than 3."
 CT4000 \$ 7.95

- 5. Porta Vu Standard Lensboard LF2020..... \$ 9.95



Porta Vu 45 Studio Rail Accessory

The new studio rail is an excellent accessory for those who would prefer a non-folding, driving type focusing system which is standard on the Porta Vu 45. The studio rail accessory features a solid 12" cherrywood bed with friction driving focusing system for easier, more precise focusing. Minor assembly is required. The studio rail can be adapted to all existing Porta Vu 45 cameras. LF2010 \$29.95

Golden Busch® Super-Large-Format Cameras C



Golden Busch® has combined Old World craftsmanship with modern technology to create the finest, most versatile superlarge-format field view cameras you can own. Each camera is hand-made in the U.S.A. to exacting specifications and tolerances. Then assembled and finished to the highest quality standards. Straightgrained cherrywood is used for maximum strength and beauty.

Pinion gears and racks are made of the finest hardened steel. All moving parts are concealed in their own protective bushings and retainers for exceptionally long life. There are NO plastic parts or knobs on Golden Busch® cameras. All knobs are oversized and hand machined for beauty and durability.

The front tilt, rise and fall are independently geared and racked. The front shift and swing are controlled by separate knobs. The rising back is geared, racked, and spring loaded for ease of operation. It has fine tune horizon line adjustment built in (no more kicking tripod legs). The rear shift is controlled by a high helix for quick, efficient, smooth, fine tuning adjustment. Each movement has its own separate oversized control knob and control lock.

All parts and labor are covered by a limited lifetime warranty.

Features

- Fully Adjustable Front and Rear Standards with independent lockable controls
- Exclusive Fine Horizon-Adjustment allows small alignment corrections of the horizon without moving tripod legs
- Oversize Bellows to eliminate bellows flare
- Bellows Extension Rails (slides) are built into the cameras
- Full-coverage Ground Glass: no missing
- Protective Cover for ground glass (optional)
- Magnesium Base-plate is made extra large for secure tripod mounting without adding
- Accessory Trays are built into the front board

Movement Specifications

Front: Rise: 6" Swing: Infinite Tilt: 30° forward and back Shift: 6"

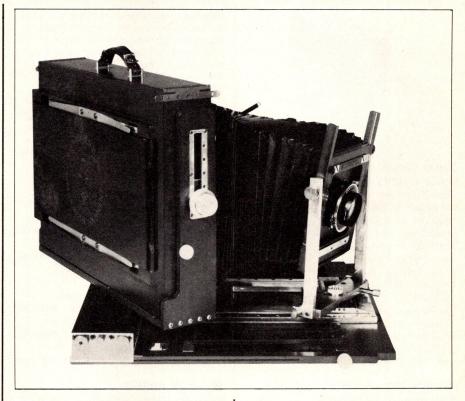
Rear: Rise: 5," spring loaded for easy operation Swing: Infinite

Tilt: 30° forward and back

Shift: 8"

Golden Busch® Super-Large-Format View Cameras*

Busch 8 x 10 Field View 41" bellows BU2000\$2950.00
Busch 11 x 14 Field View 48" bellows BU2005\$3950.00
Busch 8 x 20 Banquet 48" bellows BU2010
Busch 12 x 20 Field View 48" bellows BU2015
Busch 16 x 20 Field View 54" bellows



Busch 20 x 24 Field View 54" bellows BU2025\$7950.00

*Delivery 6 to 10 weeks. Deposit required.

Call or write Calumet for additional information on Golden Busch® Super-Large-Format Cameras.

Call or write Calumet for information about Film availability for Super-Large-Format



Golden Busch® Deluxe **Cherrywood Film Holders**

Film can't shift, slide or bow once it has been loaded into the holder due to the exclusive Film-Lok™ feature. Felt covered stainless steel light traps. The entire end of the holder is removed for easy loading and locks back into place. No more flaps to wear out.

8 x 10 Cherrywood Holder	
BU1000	\$ 69.95
11 x 14 Cherrywood Holder	
BU1002	\$175.00
8 x 20 Cherrywood Holder	
BU1004	\$195.00
12 x 20 Cherrywood Holder	
BU1006	\$225.00
16 x 20 Cherrywood Holder	
BU1008	\$337.00
20 x 24 Cherrywood Holder	
BU1010	\$395.00

Golden Busch® Super-Large-**Format Accessories**

A ---- D---

Adapter Backs				
11 x 14 to 8 x 10	BU3100	 \$3	50.	00
12 x 20 to 8 x 10	BU3105	 \$3	95.	00
12 x 20 to 11 x 14	BU3110 .	 \$3	95.	00
16 x 20 to 12 x 20	BU3115 .	 \$4	95.	00
16 x 20 to 8 x 20	BU3120	 . \$4	95.	00
16 x 20 to 11 x 14	BU3125 .	 \$4	95.	00
20 x 24 to 16 x 20	BU3130 .	 . \$5	95.	00
20 x 24 to 12 x 20	BU3135 .	 . \$5	95.	00
20 x 24 to 11 x 14	BU3140 .	 \$5	95.	00
Lensboards Flat three piece tor BU3200 Recessed three pie BU3205	ce lensboard	 \$	24.	95
Ground Glass Cove				-
		4	37	50
			49.	
			59.	
			69.	
			97.	7

For Fast Delivery, Call Free of Charge





Sinar View Cameras

Sinar F 4"x5" Camera with 12" monorail and

Sinar P Expert Camera Sets

Sinar P Expert set includes:

Appropriate Sinar P camera, wide angle bellows, fresnel lens and camera case. In addition all sets include these universal accessories: binocular magnifier board, focusing hood, bellows hood and filter rods (11cm, 16cm, and 25cm), bellows holder, 6" and 18" monorails,

included. SN1024\$4617.95

universal square bellows, multi-purpose standard, bellows hood mask, universal camera holder, and camera support for Sinar P/C. 4"x5" set also includes mask and fresnel lens holder and mask set for 6x6, 6x7, 6x9, and 9x12cm Sinar P 4"x5" Expert Camera Set Lensboard not included. SN1030 \$4699.95 Sinar P 8"x10" Expert Camera Set Lensboard not included. SN1034 \$6194.95 Sinar Lensboards Flat Lensboard for #0 Shutter SN3400 \$ 51.95 Flat Lensboard for #1 Shutter SN3402 \$ 51.95 Flat Lensboard for #3 Shutter SN3404 \$ 51.95 **Sinar Bellows** Square Bellows 5"x5" 18" extension SN2050 \$167.95 Wide Angle Bellows 4"x5" SN2056 \$159.95 Wide Angle Bellows 8"x10" SN2060\$399.95 Sinar Monorails Standard 12" long SN2080 \$ 89.85 Extension 6" long SN2082 \$ 89.95

Extension 12" long SN2084 \$109.95

Extension 18" long SN2086 \$152.95

SN2088 \$ 22.95

Standard monorail cap

Sinar Ground Glass 4x5 lined SN2100

 4x5 lined
 SN2100
 \$ 24.95

 5x7 lined
 SN2102
 \$ 26.95

 8x10 lined
 SN2104
 \$ 56.95

4"x5" Fresnel lens in holder (SN3066 and

Sinar Viewing Devices

SN3060)	SN3068	\$	132.95
includes li	ght hood	lex Magnifier hous SN3075 \$	349.95
		requires SN3080	
		(includes SN3080	
		376 and SN3078	79.95

Adapter allows the Sinar binocular reflex magnifier to be used with other cameras.

Sinar Filter Holder

Universal Holder w/retaining ring SN3270 \$194.95

Sinar Bellows Hood/Filter Holder Rods

41/4"	SN3250									\$	12.95
61/4"	SN3252									\$	14.95
10"	SN3254.									\$	18.95

Sinar Bellows Holders

CAMBO MULTI-IMAGE ID CAMERAS



Cambo PP20 Two-Lens Camera

Fixed focus at 1.25m, for two images 46x72mm on Polaroid pack films Series 100 and 600 with optical viewfinder and interchangeable Polaroid® film holder. CB0601 \$549.95



Cambo PP40 Four-Lens Camera

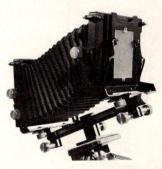


Cambo PP45 Four-Lens Camera

Focusing range of 1.25-4 mm, for 4 images 44 x 56 mm on Polaroid film packets Series 50, with combined viewfinderrangefinder and international back 4" x 5."

CB0605 \$899.95

Galvin 2¼" x 3¼" View Camera



Designed for 2¼" x 3¼" sheet film and 120 or 220 roll film. Ideal field or studio view camera for photographers who need view camera movements with 6x6, 6x7 or 6x9 cm formats. Standard 9" model AA3000\$189.95 Long 14" model AA3001\$214.95 Call or write for more

information.

Calumet C-2 Roll Film Holder

Calumet C-2 Roll Film Holder for 120 or 220 film.

The Calumet 6x7cm roll holder inserts into 4"x5" press or view cameras exactly like a sheet film holder (with no need to remove the ground glass back). It couples the advantages of 6x7cm format, ground glass focusing plus camera swings and tilts, with the convenience of a sheet film holder...yet offers the economy and multiple exposures of roll film. Since the camera back never has to be removed, you can switch from sheet to roll film, or change from color to black and white in an instant ... exactly like a sheet film holder.

Fits all popular 4"x5" cameras

The Calumet roll holder delivers a film flatness approaching that of sheet film. The film comes straight from the supply spool and is constrained by the edges between machined rails. The film makes a bend to return to the take-up spool only after the picture has been taken. The C-2 roll holder holds excellent sharpness across the field, even with high speed lenses, wide open.



LIST OF FEATURES

- convenient 6x7cm format
- · inserts like a sheet film holder
- complete with ground glass mask

New Low Price Now only \$14995

- simple, daylight loading of 120 or 220 roll film. The film is tracked by the edges. Film emulsion is never touched.
- fits most 4" x 5" spring back or international back cameras.
- counter and film advance for 10 exposure 120 or 20 exposure 220 film
- exceptional film flatness
- rugged construction
- · focusing mask included

Calumet C-2 Roll Film Holder CC4505 \$149.95

Calumet Bellows Lens Shades



LS-100 Bellows Lens Shade with Filter Drawer

The Calumet lens shade increases picture sharpness by preventing off-axis light from striking the lens. Contrast and sharpness are noticeably improved with proper shading, even with modern optics. It slides on a rail to allow access to lenses without moving adjustments...swings and tilts for optimum shading...and is a superlative gelatin filter holder.



- soft rubber rear shield prevents light leaks
 - sliding rail system for easy access to shutter controls
 - built-in filter drawer accepts 4"x4" or 3"x3" gelatin filters with appropriate filter frames
 - front clips for matt box, vignetter or special effects
- swings and tilts for optimum shading
- eight self-sealing filter frames for 4"x4" filters
- mounting adapters for most popular large format cameras

Bellows Lens Shade Less Adapter.* (Requires one of the following mounting adapters.) CC9010 \$89.95 Calumet 4"x5" Adapter. CC403 and 404 only. CC9025 \$14.95 Calumet 8"x10" Adapter. CC9026..\$14.95 Horseman CC-450 Adapter. CC9027 \$14.95 Cambo 4"x5" Adapter CC9030 .. \$24.95

LS-200 Lens Shade

The LS-200 is designed especially for photographers who prefer to use filters directly on the lens. All specifications are the same as the LS-100 except that the LS-200 has no filter drawer or rubber shield. Bellows Lens Shade Less Adapter. CC9000 \$59.95

USES SAME **ADAPTERS** AS THE LS-100



Sheet and Roll Film Holders









Lisco Double Sheet Film Holders

Lisco 4x5 Double Sheet Film Holder LS4500 \$ 6.95
SPECIAL 6 for \$ 36.00
Replacement Dark Slide for 4x5 Holder
LS4505 \$ 1.95
Lisco 5x7 Double Sheet Film Holder
LS5700 \$ 9.95
SPECIAL 6 for \$ 54.00
Replacement Dark Slide for 5x7 Holder
LS5705 \$ 2.95
Lisco 8x10 Double Sheet Film Holder
LS8100\$ 19.95
SPECIAL 6 for
Replacement Dark Slide for 8x10 Holder
LS8105 \$ 3.95
Lisco 11x14 Double Sheet Film Holder
LS1114 \$ 99.95
Replacement Dark Slide for 11x14 Holder
LS1115 \$ 11.95
Lisco 21/4" x31/4" Double Sheet Film Holder
LS2300 \$ 6.95
Replacement Dark Slide for 21/4" x31/4" Holder



LS2305 \$ 1.95

Metalmaster Cut Film Holder

New improved model. Virtually indestructible. Aluminum outer construction. Provides optimum film flatness. Exclusive 5 year pro-rated warranty. Matalanata A.E Hald

Metalmaster 4x5 Holder. HF1001\$	19.95
Metalmaster 5x7 Holder. HF1002\$	31.95
Metalmaster 8x10 Holder. HF1003 \$	49.95

Hoffman Glass Plate Holders

4x5 Plate Holder, 10 pkg. HF1020	\$690.00
5x7 Plate Holder, 10 pkg. HF1021	\$815.00
8x10 Plate Holder, 6 pkg. HF1022	\$815.00

Hoffman Vacuum Holders

8x10 Holder only, requires pump. HF1210	\$260.00
11x14 Holder only, requires pump. HF1211	\$400.00



Polaroid Holders for 4x5 Cameras

Model 405 Pack Film Holder 2.9x3.8 in. image area for 668, 667, 665, 084, and 100 series, 8 exposure film packs. Model 545 Film Holder

57, 58 and 99 single sheet films. PO5100 \$139.95

Model 550 Pack Film Holder 31/2" x45%" image area for type 552 and 558, 8 exposure film packs

PO5500 \$129.95

Polaroid 8x10 System Polaroid 8x10 Processor

PO6000	\$544.95
Polaroid 81-05 Film Holder	A110.0E
PO6010	
Polaroid 81-06 Easy Load Film	
PO6050	\$159.95
Polaroid Loading Tray for Easy	Load Holder
PO6100	\$ 99.95



Cherrywood Film Holders

Film can't shift, slide or bow once it has been loaded into the holder due to the exclusive Film-Lok™ feature. Felt covered stainless steel light traps. The entire end of the holder is removed for easy loading and locks back in place. No more flaps to wear out.

8 x 10 Cherrywood Holder	
BU1000	\$ 69.95
11 x 14 Cherrywood Holder	
BU1002	\$175.00
8 x 20 Cherrywood Holder	
BU1004	\$195.00
12 x 20 Cherrywood Holder	
BU1006	\$225.00
16 x 20 Cherrywood Holder	
ВЦ1008	\$337.00
20 x 24 Cherrywood Holder	

BU1010\$395.00



Roll Film Holders for 4x5 Cameras

Calumet C-2 Roll Film Holder 6x7 format for 120 or 220 films, fits 4"x5" spring back or international back cameras. See page 9 for specifications.

CC4505\$149.95

Horseman Roll Film Holders for cameras with 4x5 international lock system.

Horseman 6x12cm Roll Film Holder



Ideal for architecture, panoramas and shots where narrow vertical or horizontal panels are required. Fits all 4x5 cameras with international backs. 6 exposures on 120 roll film.



HR4630 \$399.95

	120 roll film holder — 6x9cr HR4634	
	120 roll film holder-6x7cm HR4637	
	220 roll film holder — 6x9ci	
	220 roll film holder — 6x7ci	



Horseman Rotary Back Model II

Features rotating glass screen and opening for 6x9cm international lock accessories. Ground glass rotates into position for easy focusing, then the film holder or roll film back rotates into position for exposure without using dark slide. HR4632\$299.95

Roll Film Holders

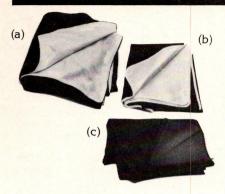
for Rotary Back
Horseman 120 roll film holder—6x9cm
format** HR9310 \$199.95
Horseman 120 roll film holder—6x7cm
format** HR9320 \$199.95
Horseman 220 roll film holder—6x9cm
format** HR9330\$199.95
Horseman 220 roll film holder—6x7cm
format** HR9340\$199.95
**Country of origin, Japan.

26

27

View Camera Accessories





Focusing Cloth (c)

Professional Focusing Cloth(b)

The Calumet Professional Focusing Cloth is black on the inside and white on the outside. The white side reflects heat from the sun or hot studio lights to keep you cooler, and also serves as an ideal fold up reflector for field use. 36"x48."

CC9041 \$ 18.95

The Calumet Classic Focusing Cloth (a)

The Calumet Silver Field Cloth

The Calumet Silver Field Cloth is a light weight, highly reflective focusing cloth recommended for field use. Made with a reinforced, tear-resistant mesh net material for longer durability. Includes 8 individually sewn weights for greater stability on windy days. The corners each have a ½" I.D. gromet seated in a special tear-resistant material. This gromet is sized to conveniently fit over a conventional ¾" light stand for using the silver field cloth as a reflector. The reflective properties of this cloth will also help keep film and equipment cool.

For Fast Delivery, Call Free of Charge

To place orders with American Express, VISA or MasterCard from anywhere in the Continental United States 1-800-323-2849 (In Illinois, call: 1-312-860-7447)



Calumet Focusing Magnifier



The Calumet Signature Focusing Cloth

The limited edition, custom made Calumet Signature Focusing Cloth is 52" x 58" for comfortable use on all view cameras to 20" x 24" in format. The inner construction is a brown doe skin fabric which has most of the characteristics of leather including excellent resistance to water and rain, super flexibility even in temperatures of -20°F, and does not slip or slide off the user's head like conventional focusing cloths. The outer construction is reflective white double knit polyester. The edge of the Signature Focusing Cloth is triple stitched and completely finished to resist snagging and unraveling. Twenty rust resistant, antimony steel weights are individually sewn and reinforced in a special tear-resistant material to provide sufficient mass for location use on a windy day. Only a limited number of the signature cloths will be produced because of short supply of the doe skin fabric and size may vary slightly because of mill variances.

Cable Releases



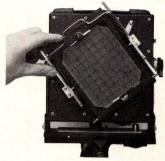
Calumet Professional Cable Release metal clad 20" length HV1000 \$ 12.95

Standard cable release 6."

CC9050 \$ 3.95

Flextip cable release must be used in recessed lensboard. Has adjustable lock to convert "B" setting to "T" CC9055 \$ 8.95

New 20" Flex Tip Cable Release



Ground Glass & Fresnel Lens

Calumet 4x5 Ruled Ground Glass for Calumet 400 Series, Porta Vu 45, Pocket View, and Wood Field cameras Calumet 5x7 Ruled Ground Glass CC8107 \$ 11.95 Calumet 8x10 Ruled Ground Glass CC8109 \$ 13.95 Calumet 4 x 5 Ground Glass for Calumet 540 and Cambo SC cameras Calumet 4 x 5 Fresnel Lens for Calumet 540 and Cambo SC cameras CB0218 \$39.95 Cambo 8x10 Ground Glass CB0418 \$ 33.95 Horseman 450 Standard Ground Glass HR4612 \$ 19.95 Horseman 450 Repl. Fresnel HR4616 \$ 39.95

Calumet Lens Mounting Services

Note: When you purchase any view camera and lens together or any lensboard and lens together from Calumet, Calumet will mount your lens FREE! A savings of up to \$17.95.

CC9990 \$ 17.95

Aetna Auto Cable Releases

Clutch operated, maximum flexibility releases with plastic shielding and wing grip.

12"	release	AO2910 \$	5.95
20"	release	AO2920 \$	6.95
40"	release	AO2930 \$	8.50

Hervic Minette Touch Release

Premium quality, clutch activated and nylon shielded. Extremely flexible with soft shutter button.

30cm (12") release	HV2212 \$	10.95
50cm (20") release	HV2220 \$	12.95

Air Releases

All Releases		
Heavy Duty 20 ft. tubin	g BR5000 . \$ 9.9	95
Deluxe 30 ft. tubing	KT5100 \$27.9	95
U Hook cable release a	adapter	
KT5150	\$ 4.9	95

Shutters and Professional Accessories





Prontor Professional Shutter System

Features include: Accurate, self-cocking shutter with practical shutter speed range, protected flash connection with high friction plug, modern design with matte black finish and clearly visible. conveniently located operating scales and controls.

Professional Shutter 0.	
PW1000	. \$199.95
Professional Shutter 1.	
PW1010	. \$199.95
Professional Shutter 3.	
DW1020	4300 05

Aperture setting accessory further simplifies operation of the shutter. A large scale extends over the top of the camera front permitting aperture setting from the rear of the camera.

Aperture Setting Device

No. U Shutter.	
PW1001\$	39.95
No. 1 Shutter.	
PW1011\$	39.95
No. 3 Shutter.	
PW1031\$	39.95
	ADC SYSTEM

Time setting accessory complements the aperture setting accessory and allows reading the exposure times from over the camera body and setting them from the rear.

Time Setting Device

For No. 0 Shutter.	
PW1002\$	49.95
For No. 1 Shutter.	
PW1012\$	49.95
For No. 3 Shutter.	
PW1032\$	49.95

Remote Control Accessory

Allows opening, stopping down closing and tripping the shutter from the rear of the camera. Includes color coded connection cables.

PW2000 \$129.95 **Automatic Cartridge Accessory**

Shutter will be automatically closed when the film holder is inserted in the camera back with the automatic cartridge accessory. Prevents exposing the film if the shutter is left open. Couples with the remote control accessory. (Requires camera back to be equipped with M 6 screw-in connection.) Cambo cameras equipped with revolving back accessory and newer model Horseman 450 cameras have M 6 connection. Older model Horseman 450 cameras can be modified to accept this accessory. Please call for details. PW2010 \$ 17.95 Some lenses may require adjustment of the Prontor shutters aperture. Please call for details.

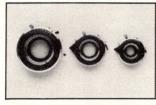


Star II Shutter Tester

Star II Shutter Speed Tester features large, direct-reading precision meter, three shutter speed ranges, ANSI tolerances displayed. Will test all types of shutters. Test before shooting, know what shutter is delivering, avoid re-

Specifications

Ranges 1 sec. to 1/2000 sec. Accuracy ±5% Power Input 115V 60Hz Dimensions 7" wide x 9" deep x 15" Star II Shutter Tester SW1000 \$249.95



Copal Mechanical Shutters*

#0	CO1	000		 		\$	89.95
#1	CO2	000		 		\$1	23.95
#3	CO3	000		 		\$2	46.95
Pres	ss #0	CO	1000	 		\$	79.95
Pres	ss #1	CO	1500	 		\$	99.95
+0							

*Supplied with blank aperture scales

Packard-Ideal Shutters

Instantaneous 1/25 sec. and time exposure. Available with or without synchronization. Synchronized shutters for use with all flash equipment and has time exposure feature for focusing without tripping the flash.

No. 6 Shutters

2" diameter opening, 4" x 4" overall.
Non-synchronized.
PD2000 \$59.95
Synchronized. PD2002 \$81.95
2¾" diameter opening, 5" x 5" overall.
Non-synchronized.
PD2010\$71.95
Synchronized. PD2012 \$89.95
3" diameter opening 53/4" x 53/4" over-
all. Non-synchronized.
PD2020\$74.95
Synchronized. PD2022 \$94.95
Lensboard air fitting with hardware.
PD2060 \$ 8.95

Shutter bulb with metal fittings.

Air tubing 5 feet.

PD2061..... \$ 6.95

PD2062..... \$ 5.95



Digital Shutter Tester

100 SC digital shutter tester with multiformat adapter provides a convenient and accurate means of checking shutters with a range from 30 seconds to 1/2000 of a second. Reads out in percentage for convenient interpretation of results. At one second and longer speeds, the 100 SC reads out in actual time to the nearest 1/100 of a second. Will test all types of shutters. Includes instructions on how to convert percentage to actual shutter speed in milliseconds. Accuracy ±2.5%, (±5% at 1/1000 second).

PY1000 \$299.95



Angle Finder

Fluid-filled precision angle finder simplifies setting view camera up for copy work, getting front and back standard parallel or for paralleling back standard to subject to control distortion.

HR1015 \$21.95



Lens Site Professional Lens Cleaner

Lens Site professional lens cleaner is specially formulated for use on all precision optical surfaces. Originally developed for medical and scientific optics. Lens Site is non-abrasive and restores the lens surface to its original, clean, oil-free state.

Anti-static ingredients repel dust and lint to keep the lens surface clean longer. Anti-fog properties help prevent lens fog which is a problem in humid areas. Lens Site can be used on coated and uncoated lenses, filters and filter

Lens Site is a convenient, easy to use paste which cleans and polishes the lens surface without streaking. Lens Site professional lens cleaner. 1/2 Oz AA3601 \$ 3.95 1 Oz AA3600 \$ 5.95



Deluxe Changing Bags

High quality cloth construction. Double lined with double zipper. Rubber wrist bands. Guaranteed light tight.

Made in U.S.A.

18x26 in.	AA5001\$	21.95
30x32 in.	AA5002 \$	35.95
36x36 in.	AA5003 \$	39.95
36x45 in.	AA5004 \$	44.95

Standard Changing Bag

27x30 in. cloth	1	C	OI	n	st	r	u	C	ti	O	n	١.	
CT3000													\$ 15.95

Tripod Reducer Bushing

Cor	verts Europea	n to U.S. t	hread	s
(3/8	to 1/4/20).			
KT	0390		. \$.9

Heavy Duty Reducer Bushing

This is the finest quality reducer bushing we have found. High quality European construction reduces from 3/8 to 1/4/20 threads. Suitable for heavier medium and large format cameras.



Calumet Viewing Filters

Viewing filters give tonal values as they will be reproduced by film. Previews shadow and highlight detail. Folds into metal case. Includes eyelet for neck cord.

Viewing filter for color film. PC1967 \$19.95 Viewing filter for B&W film.

Tiffen Viewing Filters

Tiffen Viewing Filters permit the visual interpretation of shadow and highlighted details corresponding to the film's emulsion.

No. 1 B/W Filter 90/50. TP8050	\$	16.95
No. 2 Color Filter N.D. 2.0. TP8051	\$	16.95
No. 3 For Faster Color Films	ar	nd
Lower Light Levels. TP8052	\$	16.95

Camera and Tripod Level

Round base #61 w/holes for mounting (screws not included). KT2025 \$ 7.95 Square base #61S w/holes for mount-

ing (screws not included). KT2026 \$ 6.95

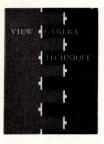


Double Spirit Level

Two levels in clear plastic rectangular case. Fits standard shoe in two axis. KT2020 \$ 29.95

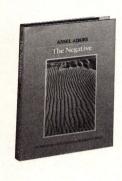
Photographic Books

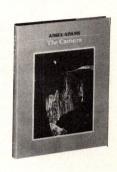












Recommended View Camera Books

The New Ansel Adams Photography Series,

The New Ansel Adams Photography Series, by Ansel Adams. With the collaboration of Robert Baker. Publication of *The Camera* and *The Negative* launches this newly written and organized technical series, which will eventually replace the renowned Basic Photo Series.

- The Print Book 2, by Ansel Adams will be available mid-1983. Please call or write for additional information.
- The Negative. Book 2 enlarges on visualization, discussed in The Camera, to include the factors that govern the tonal values of the image, as recorded on the negative. The early chapters are devoted to a discussion of light, film, and exposure, and their effect on the negative image. This is followed by a step-by-step, detailed account of the Zone System. Finally, there are several chapters containing extensive information on the darkroom and processing. 180 b & w ills., 30 line drawings. 288 pp. 1981.
- Ansel Adams, by Ansel Adams. This monograph contains 117 of the photographer's most important images from 1920 to 1972. Besides such famous photographs as "Monolith" and "Moonrise," it also includes some lesser-known images with several examples of Adams' portrait work. 128 pp. 9 x 10½. 117 duotone illus. (cloth) AH1083...\$22.50











Curtin and London Books

- The Darkroom Handbook, by Curtin and Demaio. Presents a comprehensive overview of darkroom design, construction and equipment. Includes complete layout sheets for designing darkroom floorplans and elevations. CN1006 \$ 12.95
- Darkroom Dynamics, by Jim Stone.
 Composed of sixteen chapters, each

- presenting a different creative technique. Everything from toning to sabattier with step by step instructions.
- CN1020 \$ 13.95
- Build Your Own Home Darkroom, by Curtin & DeMaio. An excellent guide for those building or adding to an existing darkroom.
 CN1040 \$14.95

Large Format Lenses



Selecting the right large format lens. In large format photography, there is no such thing as a "normal" lens. Because of the varied camera movements and enhanced capabilities of the view camera, each lens performs a different function... the lens you choose depends upon the kind of photography you plan to do. A general understanding of the principles behind large format optics can help you choose the right lens to best achieve your creative goals.

Perspective is governed by the distance of the camera to the subject. Because objects closer to the camera photograph larger, working in close with short focal length lenses can result in foreshortening. Unlike the human eye, the camera lens cannot compensate for distortion without adjusting the camera and the camerato-subject working distance.

One solution is to move the camera back from the subject and use a longer focal length lens to produce a larger, yet undistorted image on the film. As the camera moves back, distortion is minimized and the image appears as your eye perceives



it. For this reason, most view camera lenses are longer in focal length for a given film size than lenses for smaller, hand-held cameras.

Coverage. Since a view camera lens is often moved off axis for swings, tilts, rise and fall, lenses are usually purchased in a focal length longer than the diagonal of the negative. The diameter of the minimum circle needed to cover the diagonal of the negative perfectly with even illumination from corner to corner is:

 $2\frac{1}{4}$ " x $2\frac{3}{4}$ " = 100mm

 $4'' \times 5'' = 161$ mm

5" x7" = 219mm

 $8'' \times 10'' = 323$ mm

Lenses shorter than these focal lengths are often used, however. Stopped down lenses and close-up photography used with greater bellows extension will produce greater optical coverage. The circle produced by the lens expands as the lensto-film distance is increased. A lens that is marginal in coverage at infinity focus does very creditably in coverage on close-ups.

Wide angle lenses are specifically designed to produce exceptionally large image circles in order to produce maximum coverage at infinity focus.

If you need an all-purpose lens. If you are just starting out in large format, you will probably want one lens that will do the greatest number of jobs. Based on our experience, the 210mm lens is an ideal general purpose lens for portraiture, still life, industrial, product shots and some scenic applications.

Angle of View Comparison Chart



351	mm	6 x 6 cm		6 x 7 cm		6 x 9cm		4 x	5 in.	5 x 7 in.		8 x 10 in.	
Focal Length	Angle of View*	Focal Length	Angle of View*	Focal Length	Angle of View*	Focal Length	Angle of View*	Focal Length	Angle of View*	Focal Length	Angle of View*	Focal Length	Angle of View*
			,							75mm	97°	120mm	92°
20mm	84°					50mm	81°	65mm	86°	90mm 100mm	87° 81°	135mm	85°
24mm	74°							75mm	78°	120mm	71°	150mm 165mm	79° 74°
28mm	65°	40mm	69°	50mm	69°	65mm	66°	90mm 100mm	68° 62°	135mm	64°	180mm 210mm	69° 61°
35mm	54°	50mm	58°	65mm	56°	75mm 90mm	59° 51°	120mm	53°	150mm 165mm 180mm	59° 54° 51°	240mm	55°
44mm 50mm	44° 40°	60mm 75mm	49° 40°	75mm 80mm 90mm	49° 46° 42°	105mm	44°	135mm 150mm 165mm	48° 44° 40°	210mm	44°	300mm	45°
55mm 58mm	36° 34°	80mm 100mm 105mm	39° 31° 30°	105mm 120mm 127mm	36° 32° 30°	120mm 135mm 150mm	39° 35° 32°	180mm 210mm	37° 31°	240mm 300mm	39° 32°	360mm 450mm	38° 31°
85mm 105mm	24° 19°	120mm 135mm 150mm	26° 23° 21°	140mm 150mm 180mm	27° 26° 22°	180mm 250mm	27° 19°	240mm 300mm 360mm	28° 23° 19°	360mm 450mm 480mm	27° 21° 20°	480mm	29°
135mm 180mm 200mm	15° 12° 10°	250mm	13°	360mm	11°	360mm	13°	450mm 480mm	15° 14°				

Caltar® II Multicoated Large Format Lenses



When you make the world's most popular view camera, you learn a lot about view camera optics. We took what we learned to one of West Germany's most respected optics manufacturers, where the strict design specifications of Calumet were teamed with tradition-rich West German precision craftsmanship to create the new Calumet Caltar® II lenses.

The new Caltar® II incorporates six element formulas of the highest quality rare earth glass lenses mounted in precision Copal shutters. The result is a superb collection of view camera lenses which offer the professional the creative excellence you've been searching for, without the typical technical limitations.

The new Caltar® II also incorporates a greatly reduced field of curvature. So, aberration is almost insignificant, and you can stop down from full aperture to the smallest stop with practically no focus shift.

Caltar® II also delivers outstanding corner-to-corner sharpness and a significantly improved illumination at the edges of the field. You'll also be delighted at how Caltar® II faithfully captures even the most delicate colors. The result is a wonderfully balanced color rendition and a superb contrast even at the widest aperture.



	Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi- Coating	Filter Size	Image Circle	Angle Of View	Angle of Coverage	Cat. No.	Price
	90mm	Copal 0	8.0-45	6-4	Yes	67mm	216mm**	100°**	4"x5"	CL0901	\$ 399.50
	135mm	Copal 0	5.6-45	6-4	Yes	49mm	190mm**	70°**	4"x5"	CL3135	\$ 219.50
	150mm	Copal 0	5.6-45	6-4	Yes	58mm	210mm**	70°**	4"x5"	CL3150	\$ 239.50
/ / /*	210mm	Copal 1	5.6-45	6-4	Yes	77mm	294mm**	70°**	5"x7"	CL3210	\$ 329.50
	240mm	Copal 3	5.6-45	6-4	Yes	86mm	337mm**	70°**	8"x10"	CL3240	\$ 649.50
Caltar II	300mm	Copal 3	5.6-64	6-4	Yes	105mm	411mm**	70°**	8"x10"	CL3300	\$ 949.50
Professional Lenses	360mm	Copal 3	6.8-64	6-4	Yes	120mm	491mm**	70°**	8"x10"	CL3360	\$1049.50





90mm f8 Caltar II

The 90mm f8 Caltar II lens is our most popular wide angle lens for 4x5 large format photography. Its moderate wide angle effect is ideal for room interiors and architectural photography where noticeable perspective distortion would be objectional. This lens is also very popular as a moderate wide angle for scenic views and landscape photography with 4x5 field cameras. The 90mm Caltar II has a super wide field design which provides excellent coverage (216mm) for liberal 4x5 camera movements.

90mm f8 Caltar II CL0901 \$399.50



150mm f5.6 Caltar II

The 150mm f5.6 Caltar II is ideally suited for interiors, groups, close-ups of small parts, and object photography in restricted working distance areas. The 150mm focal length also provides a normal perspective for landscape photography. The coverage of this lens (210mm) is sufficient for moderate camera movements. The 150mm f5.6 Caltar II is an excellent choice as a normal lens for 4x5 field cameras where maximum movements are not required.

150mm f5.6 Caltar II CL3150 \$239.50

Prices and specifications subject to change without notice.



210mm f5.6 Caltar II

The 210mm f5.6 Caltar II is the most popular 4x5 large format lens ever sold by Calumet. It has become the mainstay of critical professional photographers and serious hobbyists all across the country. The 210mm focal length is ideal for product illustration due to its longer working distance for better separation of background from subject. The wide field design of this lens produces an extremely large image circle (294mm) which permits maximum camera movements in any situation. This lens is also well suited for head and shoulders portrait photography.

210mm f5.6 Caltar II CL3210 \$329.50

The new Caltar HR lenses are the result of Calumet's extensive search for the best possible large format lens value and performance. Each computer designed lense is manufactured by one of the world leaders in large format lens technology. The performance of the Caltar HR lenses relative to their modest cost is truly outstanding. All of the Caltar HR lenses are multicoated for improved contrast and efficient light transmission. Each of the Caltar HR lenses represents an excellent value; however, the 90mm f5.6, the 210mm f6.8 and the 300mm f5.6 lenses are particularly noteworthy because of their excellent price to performance ratio.



	Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi- Coating	Filter Size	Image Circle	Angle of Coverage	Format Size	Cat. No.	Price
Caltar HR	90mm	Copal 0	5.6-64	7-4	Yes	77mm	235mm*	105°*	5"x7"	CL7090	\$449.50
	150mm	Copal 0	5.6-64	6-4	Yes	58mm	210mm*	70°*	4"x5"	CL7150	\$199.50
	180mm	Copal 0	5.6-64	6-4	Yes	58mm	230mm*	66°*	5"x7"	CL7180	\$259.50
	210mm	Copal 0	5.6-64	6-4	Yes	67mm	295mm*	70°*	5"x7"	CL7210	\$279.50
	210mm	Copal 0	6.8-64	3.3	Yes	49mm	230mm*	67°*	5"x7"	CL7212	\$229.50
	300mm	Copal 3	5.6-64	6-4	Yes	95mm	420mm*	70°*	8"x10"	CL7300	\$699.50

*AT f/22



The 90mm f5.6 Caltar HR lens is truly an amazing achievement in lens design. The size and weight of lenses of this focal length and maximum aperture is generally as prohibitive as their price. The 90mm f5.6 Caltar HR is not only smaller and lighter than comparable lenses, it is also priced hundreds of dollars less. The performance of the lens is equally impressive.

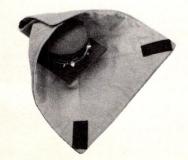


The 210mm f6.8 Caltar HR lens is one of the best values for a normal focal length large format lens Calumet has ever offered. This lens is ideal for those just getting started in large format photography or any photographer on a budget. In addition to excellent coverage and overall performance, the 210mm f6.8 Caltar HR is so diminutive in size that it is mounted in a Copal 0 shutter.



The 300mm f5.6 Caltar HR has an amazing image circle of 420mm. This extreme coverage makes it an excellent choice for 8×10 view cameras. The f5.6 maximum aperture is expecially valuable for easier focusing with this larger format. The quality of the 300mm f5.6 Caltar HR is equal to that of similarly designed lenses priced hundreds of dollars more. This lens is also excellent for use as telephoto with 4×5 format cameras.

New Calumet Lens Wrap



The new Calumet lens wrap is the best method we have found to protect large format lenses. The lens wrap has several advantages over conventional methods of lens storage.

- Fits lenses even when mounted on lensboards
- Accepts a wide variety of lens sizes
- Completely adjustable with velcro closures
- No frustrating draw strings
- Provides protection with minimum

- Folds flat when not in use
- Far superior to boxes and lens pouches
- Less expensive than customized lens cases

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Large Format Lenses



Superidi	Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi- Coating	Filter Size	Image Circle	Angle of Coverage	Format Size	Cat. No.	Price
18 18 18 18 18 18 18 18 18 18 18 18 18 1	47mm	Copal 0	5.6-45	8-4	No	49mm	123mm**	105°**	2¼"x3¼"	SC6475	\$ 499.5
13	65mm	Copal 0	8.0-45	6-4	No	49mm	153mm**	100°**	21/4" x31/4"	SC6658	\$ 429.5
The same and the same	65mm	Copal 0	5.6-45	8-4	Yes	67mm	170mm**	105°**	21/4" x31/4"	SC6655	\$ 669.5
100/10	75mm	Copal 0	8.0-45	6-4	No	49mm	180mm**	100°**	4"x5"	SC6758	\$ 449.5
No.	75mm	Copal 0	5.6-45	8-4	Yes	67mm	198mm**	105°**	4"x5"	SC6755	\$ 759.5
	90mm	Copal 0	8.0-64	6-4	Yes	67mm	216mm**	100°**	4"x5"	SC6908	\$ 399.5
	90mm	Copal 0	5.6-45	8-4	Yes	82mm	235mm**	105°**	4"x5"	SC6905	\$ 889.5
Schneider	120mm	Copal 0	8.0-64	6-4	No	82mm	288mm**	100°**	5"x7"	SC6120	\$ 799.5
Super	165mm	Copal 3	8.0-64	6-4	No	105mm	393mm**	100°**	8"x10"	SC6165	\$1969.5
Angulon Lenses	210mm	Copal 3	8.0-90	6-4	No	127mm	498mm**	100°**	8"x10"	SC6211	\$3699.5
w wks	100mm	Copal 0	5.6-45	6-4	Yes	40.5mm	143mm*	70°**	21/4" x31/4"	SC6100	\$ 259.5
012/9'5 5	120mm	Copal 0	5.6-45	6-4	Yes	49mm	141mm**	70°**	21/4"x31/4"	SC6120	\$ 359.5
	135mm	Copal 0	5.6-45	6-4	Yes	49mm	190mm**	70°**	4"x5"	SC6135	\$ 269.5
4	150mm	Copal 0	5.6-45	6-4	Yes	58mm	210mm**	70°**	4"x5"	SC6150	\$ 289.5
	180mm	Copal 1	5.6-45	6-4	Yes	67mm	252mm**	70°**	5"x7"	SC6180	\$ 349.5
	210mm	Copal 1	5.6-45	6-4	Yes	77mm	294mm**	70°**	5"x7"	SC6210	\$ 399.5
COUNTY OF	240mm	Copal 3	5.6-45	6-4	Yes	86mm	337mm**	70°**	8"x10"	SC6240	\$ 759.5
	300mm	Copal 3	5.6-64	6-4	Yes	105mm	411mm**	70°**	8"x10"	SC6300	\$ 999.5
Schneider	360mm	Copal 3	6.8-64	6-4	Yes	120mm	491mm**	70°**	8"x10"	SC6360	\$1149.5
Symmar S Lenses	480mm	Copal 3	8.4-64	6-4	Yes	105mm	500mm**	70°**	8"x10"	SC6480	\$1899.5
Padenstock	100mm	Const	5.6-45	6-4	Yes	49mm	147mm*	70°**	21/4" x31/4"	RS1000	\$ 259.5
Rodenstock Sironar-N	135mm	Copal 0 Copal 0	5.6-45	6-4	Yes	49mm 40.5mm	188mm*	70°**	4"x5"	RS1005	\$ 239.5
			5.6-64	6-4	Yes	49mm	208mm*	72°**	4"x5"	RS1003	\$ 259.5
4201600	150mm	Copal 0		6-4	Yes	58mm	252mm*	72°**	4 x5 4"x5"	RS1015	\$ 349.5
Heunis 4	180mm	Copal 0	5.6-64 5.6-64	6-4	Yes	67mm	286mm*	72°**	5"x7"	RS1013	\$ 379.5
To supply the	210mm	Copal 1		6-4	Yes	77mm	337mm*	72°**	8"x10"	RS1025	
A STATE OF THE STA	240mm	Copal 3	5.6-64		Yes	86mm	407mm*	72°**	8"x10"	RS1025	\$ 729.5 \$ 999.5
	300mm 360mm	Copal 3 Copal 3	5.6-64 6.8-64	6-4 6-4	Yes	105mm	435mm*	64°**	8"x10"	RS1035	\$ 999.5
			21/34 Rest				•				
Rodenstock	65mm	Copal 0	4.5-45	8-4	Yes	67mm	170mm*	105°*	4"x5"	RS2000	\$ 699.5
Grandagon	75mm	Copal 0	4.5-45	8-4	Yes	67mm	195mm*	105°*	4"x5"	RS2010	\$ 799.5
	90mm	Copal 1	4.5-45	8-4	Yes	82mm	236mm	105°*	5"x7"	RS2020	\$ 899.5
benue 10	75mm	Copal 0	6.8-45	6-4	Yes	58mm	187mm	100°*	4"x5"	RS2005	\$ 449.5
	90mm	Copal 0	6.8-45	6-4	Yes	67mm	221mm*	102°*	5"x7"	RS2015	\$ 489.5
	115mm 155mm	Copal 1 Copal 1	6.8-45 6.8-45	6-4	Yes Yes	82mm 105mm	291mm* 369mm*	104°* 102°*	5"x7" 8"x10"	RS2025 RS2030	\$ 799.5 \$1899.5
		•									
Nikkor SW Series	65mm	Copal 0	4.0-45	7-4	Yes	67mm	170mm*	105°*	4"x5"	NK1805	\$ 649.5
enses Lenses	75mm	Copal 0	4.5-45	7-4	Yes	67mm	200mm*	106°*	4"x5"	NK1807	\$ 749.5
(MARK)	90mm	Copal 0	4.5-64	7-4	Yes	82mm	235mm*	105°*	5"x7"	NK1810	\$ 849.5
	90mm	Copal 0	8.0-64	8-4	Yes	67mm	235mm**	105°**	5"x7"	NK1815	\$ 449.5
406	120mm	Copal 0	8.0-64	8-4	Yes	77mm	312mm*	105°	8"x10"	NK1816	\$ 749.5
	150mm	Copal 1	8.0-64	8-4	Yes	95mm	400mm*	106°*	8"x10"	NK1817	\$1249.5
	100mm	Copal 0	5.6-45	6-4	Yes	40.5mm	153mm*	74°**	4"x5"	NK1819	\$ 299.5
Nikkor	135mm	Copal 0	5.6-64	6-4	Yes	52mm	200mm**	73°**	4"x5"	NK1820	\$ 259.5
W Series	150mm	Copal 0	5.6-64	6-4	Yes	52mm	210mm**	70°**	4"x5"	NK1830	\$ 299.5
Lenses	180mm	Copal 1	5.6-64	6-4	Yes	67mm	253mm**	70°**	5"x7"	NK1840	\$ 349.5
(Marining	210mm	Copal 1	5.6-64	6-4	Yes	77mm	295mm**	78°**	5"x7"	NK1850	\$ 429.5
	240mm	Copal 3	5.6-64	6-4	Yes	82mm	336mm**	70°**	8"x10"	NK1860	\$ 699.5
mmols W-MOX	300mm	Copal 3	5.6-64	6-4	Yes	95mm	420mm**	70°**	8"x10"	NK1865	\$ 899.5
Nikkor M	300mm	Copal 3	9-128	4-3	Yes	52mm	325mm**	57°**	8"x10"	NK1870	\$ 429.5
Series Lenses	450mm	Copal 3	9-128	4-3	Yes	67mm	440mm**	52°**	8"x10"	NK1880	\$ 759.5
Nikkor T Series Lenses	270mm	Copal 1	6.3-64	5-4	Yes	67mm	160mm**	33°**	4"x5"	NK1890	\$ 799.5
OCHES LEHSES	360mm	Copal 1	8.0-64	5-4	Yes	67mm	210mm**	33°**	4"x5"	NK1894	\$ 999.5

Hasselblad Medium Format PROMOTIONAL PRICES.



Hasselblad 500 c/m

The 500 c/m is the cornerstone around which the Hasselblad system was built. The basic camera features include: interchangeable backs, focusing screens, focusing hoods, and of course, the unequalled Zeiss syncroshutter lenses.

500 c/m Chrome Body HA1000	559.95
500 c/m Chrome w/80mm f2.8 CF a A12 Magazine HA1015	

Hasselblad 500 EL/M

The motor driven camera of the Hasselblad system featuring 5 different modes of motorized operation. Uses the same basic accessories as the 500 c/m.

500 EL/M Chrome Body		
HA1006	\$	899.95
500 EL/M Chrome w/80mm f2.	8 CF	and
A12 Magazine HA1021	\$1	769.95

Hasselblad 2000 FCM

This is the newest addition to the Hasselblad camera line. It features a focal plane shutter with speeds to 1/2000 sec. The 2000 FC has its own line of Zeiss T* lenses but also accepts the standard leaf shutter lenses as well as most Hasselblad accessories.

2000 FCM Chrome Body	
HA1002	\$1139.95
2000 FCM Chrome w/80mi	m f2.8 Planar F T*
and A12 Magazine	
HA1018	\$1939.95

Hasselblad SWC/M

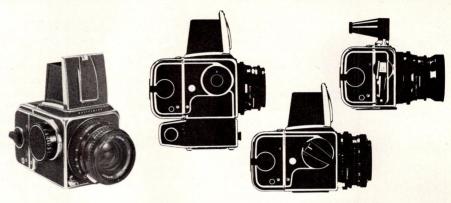
This specialized camera is designed specifically for wide angle photography. Its permanently attached 38mm f4.5 Biogon CF lens is fully corrected for curvilinear distortion and has a 90° angle of view.

SWC/M Chrome Body

HA1004			\$1759 95
IIA1004			. 41133.33
SWC/M Ch	rome w/A12	2 Magazine	and
Viewfinder	HA1020 .		\$2099.95

Hasselblad CF Lenses

Hasseibiau Ci Lelises	
30mm CF Distagon f3.5 T* Fisheye HA1100\$21	99.95
40mm CF Distagon f4 T* HA1105\$14	
50mm CF Distagon f4 T* HA1110 \$ 9	
60mm CF Distagon f3.5 T* HA1115 \$ 8	69.95
80mm CF Planar f2.8 T* HA1120 \$ 6	
100mm CF Planar f3.5 T* HA1125 \$ 8	
120mm CF S-Planar f4 T* HA1135 \$ 9	79.95
135mm CF S-Planar f5.6 T* HA1140 \$ 8	
150mm CF Sonnar f4 T* HA1145	
250mm CF Sonnar f5.6 T* HA1150\$10	
350mm CF Tele-Tessar f5.6 T* HA1160\$16	



Hasselblad 2000 FC Lenses 50mm Distagon F f2.8 T* HA1090 \$1449.95 80mm Planar F f2.8 T* HA1092 \$ 669.95 110mm Planar F f2 T* HA1094\$1399.95 150mm Sonnar F f2.8 T* HA1096\$1379.95 250mm Tele-Tessar F f4 T* 140-180mm Variogon F f5.6 HA2000\$2369.95 Hasselblad Film Magazines (chrome) A12 12 exp 21/4 x 21/4 HA2060\$ 299.95 A16 16 exp 1% x 21/4 HA2062 \$ 379.00 A16S 16 exp 1% x 1% HA2064 \$ 379.00 A24 24 exp 21/4 x 21/4 HA2068 \$ 379.00 70 70 exp 21/4 x 21/4 HA2070 \$ 499.00 Polaroid 100 HA2076 \$ 269.00 **Hasselblad Viewfinders** Magnifying Hood HA2254 \$ 179.95 Prism NC-2 HA2256 \$ 579.95 Prism HC-370 HA2258 \$ 739.95 Prism VFC-6 w/meter HA2260 \$ 879.95 Prism HC-4 HA2262 \$ 689.95 **New Professional Lens Shade** Includes 120, 135, 150, and 250mm masks

HA3062 \$ 37.95

HA3065 \$ 43.95

43.95

HA3063\$

Series 50 Mounting Ring

Series 60 Mounting Ring

Series 63 Mounting Ring

Series 70 Mounting Ring

Lens Shade 60/38-60 HA3050	40.95
Lens Shade 60/80 HA3051 \$	48.95
Lens Shade 60/100-250	
HA3052	52.95
Hasselblad Close-Up Access	sories
Proxar 0.5/60 HA5150 \$	75.95
Proxar 1.0/60 HA5152 \$	75.95
Proxar 2.0/60 HA5154 \$	75.95
Ext. Tube 8 HA4056 \$	139.95
Ext. Tube 16 HA4060 \$	127.95
Ext. Tube 32 HA4064 \$	138.95
Ext. Tube 56 HA4068 \$	153.95
Automatic Bellows HA4070\$	715.95
Hasselblad Filters	
Series 60	
Haze HA5132 \$	52.95
Yellow HA5120\$	52.95
Green HA5122\$	52.95
Orange HA5124\$	52.95
Grey HA5130\$	52.95
CR 1.5 HA5134\$	52.95
Polarizer HA5128\$	114.95
Hesselblad Assessaries	
Hasselblad Accessories	
Book—The Hasselblad Manual HA8004	26.95
Rapid Winding Crank HA2200\$	35.95
Wide Camera Strap HA3330\$	19.95
Tripod Quick Coupling HA3322.\$	59.95
Pistol Grip 500 CM & 2000 FC	
HA3302	99.95
Adjustable Flash Shoe	
HA3320\$	33.95
NC Battery I HA6000\$	45.95
Connecting Cord LK150	
HA6028	24.95
Connecting Cord LK500	28.95
HA6030	19.95
Release Cord KF300 HA6036\$	26.95
Release Adapter HA6050\$	10.95
Release Adapter HAOUSU\$	10.93

Mamiya Medium Format PLEASE CALL FOR LATEST PROMOTIONAL PRICES.





Save up to \$500.00 with Mamiya RZ Rebate coupons through July 31, 1983.

Mamiya RZ 67

Major improvements of the RZ67 over the RB67 include: Lighter and smaller design, single stroke shutter cock and film advance. electronic coupling of lenses and accessories, and new high resolution lenses.

Mamiya RZ 67 Body (without film holder)

Mamiya RZ67 Lenses 37mm f4.5Z Fisheye w/case

MA1710	CALL
50mm f4.5Z lens w/hood MA1720	. \$752.95
65mm f4.0Z lens w/hood MA1730	. \$705.95
90mm f3.5Z lens w/hood MA1737	. \$552.95
110mm f2.8Z lens w/hood MA1740	. \$495.95
127mm f3.8Z lens w/hood MA1743	. \$552.95
140mm f4.5Z Macro lens w/hood MA1746	CALL
180mm f4.5Z lens w/hood MA1750	. \$605.95
250mm f4.5Z lens w/hood MA1760	. \$669.95

Mamiya RZ67 Film Holders and Adapters

500mm f8.0Z lens w/hood & holder

360mm f6.0Z lens w/hood

120 Roll Film Holder RZ MA2500	\$230.05
220 Roll Film Holder RZ MA2505	
Polaroid Pack Film Holder RZ MA2520	
G-Adapter (for RB backs) MA2510	\$ 49.95

Mamiya RZ67 Accessories		
	PD Prism Finder MA2400 \$499.95	
	AE Prism Finder MA2405 CALL	
	Winder RZ MA2530 \$159.95	
	RZ Transmitter-Receiver MA2525 \$109.95	
	RZ Auto Extension Tube #1 MA2880 \$161.95	
	RZ Auto Extension Tube #2	



Mamiya RB67 Pro-S

Mamiya RB67 Pro-S body with 120 roll-film holder, single action focusing hood, matte focusing screen (less lens)

MA0275 \$ 399.95

Mamiya RB67 Pro-S Lenses

Cds Prism Finder w/case Universal Sportsfinder

Multi-Angle Grip for RZ, RB, 330 MA2023 \$169.95 Bellows Lens Hood MA2560 \$ 89.95

Mamiya C220F and **CF330S TLR Systems**

C220F Camera Body with focusing hood and fixed matte focusing screen (less lens). MA0241 \$132.95 CF330S Camera Body with single-action focusing hood and interchangeable matte focusing screen (less lens). MA0246 \$296.95

Mamiya-Sekor Lenses with

Shutters for C220 and C3	30
55mm f/4.5 MA1510	. \$339.95
65mm f/3.5 MA1520	. \$272.95
80mm f/2.8 MA1530	. \$188.95
105mm f/3.5DS MA1540	. \$253.95
135mm f/4.5 MA1550	. \$233.95
180mm f/4.5 MA1560	. \$319.95
250mm f/6.3 Lens Shutter	
MA1570	. \$389.95
Mamiya TLR Prism Finder w/Case	
MA2327	. \$185.95



Mamiya M645 System

3
M645, 1000S Camera Body with 120 film insert, 45° Split-Image/Microprism Focusing Screen. MA0260
M645 Camera Body with 120 film insert, Microprism Focusing Screen, Neck Strap (less lens and viewfinder).
MA0255
M645J Similar to M645, but has no mirror lock. Shutter speeds of 1-1/500 sec., B.
M645J Camera Body, Neck Strap (less lens and viewfinder).
MA0250

Mamiya M645 Lenses

riallilya rioto Lelises
24mm f4 Fisheye MA1003 \$696.95
35mm f3.5 MA1005 \$464.95
45mm f2.8 MA1010 \$309.9 5
55mm f2.8 MA1013 \$229.9 5
70mm f2.8 MA1103 \$346.9 5
80mm f1.9 MA1110\$309.9 5
80mm f2.8 MA1112 \$139.9 5
80mm f4 Macro MA1115 \$355.9 5
110mm f2.8 MA1203 \$251.9 5
145mm S.F. f4.0 MA1210 \$439.9 5
150mm f3.5 MA1214 \$225.9 5
210mm f4.0 MA1220 \$258.9 5
300mm f5.6 MA1225 \$579.9 5
500mm f5.6 MA1304 \$922.9 5
105-210 f4.5 MA1430 \$695.95

Mamiya M645 Series Accessories

Waist Level/Sports Finder S
MA2312 \$ 69.95
Prism Finder with Case
MA2313
CdS Prism Finder S (has 1/1000 sec. meter) with Case MA2314\$209.95
PD Prism Finder S (has 1/1000 sec. meter) with Case MA2316 \$335.95
AE Prism Finder with Case MA2317
Deluxe Grip Holder MA2019\$ 69.95
120 Film Insert with Case MA2420
220 Film Insert with Case MA2425
Super Slide Cutter with Mask

Prices and specifications subject to change without notice.

MA2845 \$ 39.95





Makina 67 and W67 **Medium Format Cameras**

Makina 67 and W67 are well balanced for exceptional stability and ease of operation. Features include: Betweenthe lens shutter, Nikkor lenses for ultimate picture quality, and bellows struts for compactness, Makina 67 and W67 are the only cameras in their class to have a built-in exposure meter.

Makina 67 Specifications:

Camera Type: 6 x 7 cm folding rangefinder

Lens: Nikkor 80mm f2.8 6 elements Viewfinder: Coupled rangefinder w/automatic parallax correction

Exposure Meter: Built-in GPD, coupled to shutter speeds, aperture and ASA scales, LED indicators in viewfinder

weight: (1280 grams) 2³/₄ lbs. **829**⁹⁵

Makina W67 Specifications Same as Makina 67 except:

Lens: Nikkor 55mm f4.5 6 elements.

Weight: (1200 grams) 2.64 lbs

MK1100

Makina 67 and W67 Accessories Hard Case MK1012 \$49.95

 Gadget Bag
 MK1016
 \$74.95

 Neck Strap
 MK1020
 \$ 9.95
 Lens Hood 67 only MK1030 \$18.95

Makina Proshift 69 Superwide Specifications:

Camera Type: 6 x 9 cm Compact Picture Size: 56mm x 83mm

Film Type: 120 roll, 8 exposures 220 roll, 16 exposures

Lens: Schneider Super Angulon 47mm f5.68 elements

Shifts: 13mm horz. 15mm vert.

Focus: Zone focusing

Viewfinder: Optical viewfinder and sports finder

Weight: (1600 grams) 3.5 lbs

MK1200 Call Calumet for Makina Proshift Accessories.

Prices and specifications subject to change without notice.

Pentax 6 x 7



The Pentax 6 x 7 combines unmatched image quality with maximum handling in an "ideal" 6 x 7 negative format camera.

Specifications:

Type: 6 x 7 ideal-format SLR Film: 120 roll-film (10 exposures)/ 220 roll-film

Image Size: 55mmx70mm (21/4"x23/4")

Shutter: Electronically timed, doublecurtain focal plane shutter; X, B, 1-1/1000 sec.

Battery Check: Push-Button Film Transport: Rapid-wind lever Exposure Counter: Automatic reset Lens Mount: Dual bayonet mounts Flash Synchronization: FP and X at 1/30-1 sec. B

Body Weight: (1,280 grams) 45.9 oz. Asahi Pentax 6 x 7 Body PX0310

Pentax 6x7 Lenses

35mm f4.5 Fish Eye PX1705\$ 629.95
55mm f4.0 PX1712 \$ 465.95
75mm f4.5 PX1715\$ 293.95
75mm f4.5 Shift PX1720 \$1146.95
90mm f2.8 (shutter) PX1725 \$ 489.95
105mm f2.4 PX1730 \$ 316.95
135mm f4.0 Macro PX1735 \$ 329.95
165mm f2.8 PX1742 \$ 304.95
200mm f4.0 PX1745 \$ 329.95
300mm f4.0 PX1750 \$ 709.95
6 x 7 Penta-Prism Finder
PX2380 \$ 164.95
6 x 7 Folding Focusing Hood
PX2382 \$ 51.95
6 x 7 Rigid Magnifying Hood
PX2385 \$ 93.95
6 x 7 TTL Penta-Prism Finder
PX2387\$ 274.95

Pentax 6 x 7 Accessories

Focusing Magnifier w/case

rocusing Magniner w/ case
PX2397 \$ 64.95
Eyecup PX4705 \$ 5.95
Lens Hood for 90mm f2.8, 105mm f2.4
PX2520 \$ 27.95
Lens Hood for 55mm f4.0

PX2526 \$ 36.95

Lens Hood for 75mm f4 5 PX2528 \$ 36.95 Focus Ring A for 105, 135, 150, 200mm Lenses PX4710 \$ 19.95 Focus Ring B for 35, 55, 75, 90mm Lenses PX4715 \$ 19.95 Auto Extension Tube Set—Set of 3 for inner bayonet mount PX2880 \$106.95 Helicoid Extension Tube PX2888\$115.95 Auto Bellows for Macro Work PX2889\$579.95 Hand Grip w/accessory shoe PX2040 \$ 69.95

Yashica Mat-124G

Best value around in a medium format camera. Features built-in Cds meter and 120/220 film capacity, Excellent quality 80mm f3.5 taking lens. Complete with case.



CX0805

Yashica Mat 124-G Accessories

Choose from this complete list of Yashica lens accessories available for your Yashica Mat 124-G:

Close up Lens #1 for subjects 40cm to 65cm

Close-up Lens 1:101 subjects 40cm to 05cm
away CX0810 \$27.50
Close-up Lens #2: for subjects 35cm to 45cm
away CX0815\$27.50
Lens Hood CX0820
UV Filter, 30mm Filter CX0830 \$ 7.50
1A Filter, 30mm Filter CX0835 \$ 7.50
Yellow Y2, 30mm Filter C0840 \$ 6.95
Orange O2, 30mm Filter CX0845 \$ 6.95
Red R1, 30mm Filter CX0850 \$ 6.95
Green G0, 30mm Filter CX0855 \$ 6.95
Blue B, 30mm Filter CX0860 \$ 6.95
80B, 30mm Filter CX0865 \$ 7.50
81B, 30mm Filter CX0870 \$ 7.50
82A, 30mm Filter CX0875 \$ 7.50
85C, 30mm Filter CX0880 \$ 7.50
Neutral Density, ND x 4 Filter CX0885 \$7.50

Please call or write for information and prices on additional products and accessories.

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Nikon F3 Body NK0331	\$479.95

- Automatic exposure camera with interchangeable viewfinders and screens.
- Liquid crystal display in viewfinder.
- Quartz digital control of manual shutter speeds.
- Silicon Photo Diode metering built into camera body.

F-3 Motor Accessories

MD-4 Motor Drive NK2070 \$229.95
MN-2 Nicad Battery Unit NK2074
MH-2 Quick charger for MN-2 NK2075
MC-11 External Power Cord NK2078
MF-6 Camera back (auto rewind stop) NK2076
MC-12 Remote cord for MD-4 and MD-12 NK2072
ML-1 Modulite Remote Control Outfit NK2087
MR-2 Remote Socket Release NK2099
Pistol Grip Model II NK2097
F-3 Dedicated Accessories

F-3 Dedicated Accessories Viewfinder Accessories

DW-3 Waist-Level Finder

NK4110 \$ 59.95
DW-4 6X High Magnification Finder
NK4112 \$165.95
Eyecup for F3 NK2313 \$ 1.95
DG-2 2X Eyepiece Magnifier
NK2314 \$ 33.95
DK-3 Right Angle Finder
NK2316 \$ 84.95
ME14 Data Back for E-3

DA-2 Action Finder NK4114 \$248.95

Nikon FE

Aperture preferred automatic w/manual override. Interchangeable focusing screens. Motor drive capabilities.

NK2081 \$114.95

FE Chrome Body Only	
NK0410 \$2	
NK0413 \$2	49.95
Nikonos IV-A Underwater Camera	
• LED exposure Indicator	
Hinged back tested to 160 ft.	
Nikonos IV-A body NK0902	34.95
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15mm f2.8 UWIC NK1980 \$7	09.95
28mm f3.5 UWIC NK1985 \$1	89.95
80mm f4 IC NK1995	89.95
Nikon FM-2	
Mechanical control up to 1/4000 sec. si speed. Flash sync. up to 1/200th sec. Interchangeable focusing screens. FM2 Chrome Body NK0540 \$2 FM2 Black Body NK0541 \$2 MD-12 Motor Drive (for FE, FM2, FM Both NK2050 \$1	24.95 34.95 odies)
Nikon Close-Up	
Universal Accessories PB-6 Bellows Unit NK2705 \$10	
PS-6 Slide Copier NK2707 \$1 PB-6 M Macro Copy Stand	17.95
NK2708	31.95
PB-6 E Extension Bellows for PB-6 NK2709	36.95
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PK-12 Al 14mm Auto Ext. Tube NK2806	44.95
PK-13 Al 27.5mm Auto Ext. Tube NK2805	
PN-11 Al 52.5mm Auto Ext. Tube	
NK2807 \$ 9	96.95
SB14 Flash (dedicated to F-3), req. bat.	pack
NK4184	
NK4199 \$ 'SB15 Flash NK4183 \$	
SB-12 Speedlight (F3)	
NK4180	
NK4189	
SC-12 TTL Sensor Cord for SB-11	
NK4186 \$ SB010 Thyristor Flash NK4140 \$ 7	

Nikon Lenses

Ī	Nikon Lenses	
1	5mm f3.5 NK1018 \$	943.95
1	6mm f2.8 Fisheye NK1014 \$	396.95
1	8mm f4 NK1020\$	495.95
2	20mm f3.5 NK1030 \$	229.95
2	24mm f2.8 NK1045 \$	174.95
2	24mm f2 NK1040	299.95
	28mm f2 NK1050 \$	286.95
	28mm f2.8 NK1053 \$	
2	28mm f3.5 NK1056 \$	132.95
2	28mm f3.5 PC NK1059 \$	469.95
	35mm f2.8 NK1076\$	111.95
-	35mm f2.8 PC NK1078\$	329.95
3	35mm f2 NK1073	166.95
	35mm f1.4 NK1070 \$	
	50mm f1.8 NK1120\$	88.95
	50mm f1.4 NK1125\$	144.95
	50mm f1.2 NK1130\$	
	55mm f2.8 Micro NK1138 \$	
	PK13 Ext. Tube NK2805 \$	
	35mm f1.4 NK1215\$	
	35mm f2 NK1210 \$	
	105mm f1.8 NK1217\$	
	105mm f2.5 NK1220 \$	
	105mm f4 Micro NK1225\$	
	PN-11 Ext. Tube NK2807 \$	
	35mm f2 NK1233 \$	
	35mm f2.8 NK1235 \$	
	135mm f3.5 NK1237 \$	
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	200mm f4 NK1260 \$	
	200mm f4 Micro IF NK1262 \$	
	300mm f2.8 ED IF NK1452 \$	
	300mm f4.5 NK1270 \$	
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1	NK1968	\$195.95
7	75-150mm F3.5 Series E	
1	NK1972	\$211.95
	70-210mm F4 Series E NK1974	÷252.05
	30-200mm f4 NK1440 \$	
	50-300mm f4.5 ED NK1435 \$	
1	ΓC-200 2X for Al lenses up to 200mr NK2830	129.95
	TC-300 2X for Al lenses 300mm	125.55
	NK2833\$	289.95
	C14 1.4 Teleconverter Al	
	K2835	\$289.95

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Professional construction and exceptional durability for constant use.

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- Professional systems capability.

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Canon F-1 w/eye level finder and 50mm f1.8 lens. CA0300-1110 \$552.9	5
Canon F-1 w/eye level finder and 50mm f1.4 lens. CA0300-1115	5
Canon F-1 Camera Body w/AE finder CA0350	5
Canon F-1 w/AE finder and 50mm f1.8 lens CA0350-1110	5
Canon F-1 w/AE finder and 50mm f1.4 lens CA0350-1115	5

Canon F-1 Camera Body w/eye level finder

New Canon F-1 Accessories

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Standard finder with hot shoe for aperturepriority AE and stopped down AE metering. CA2356 \$148.95

Speed Finder FN

Large screen finder swivels round a full 180° to convert from eye-level to waist-level finder, with hot shoe. CA2358 \$231.95

Waist-level Finder FN

Features built-in, flip-up 4.6X magnifying glass and rigid construction. CA2360 \$ 92.95

Waist-level Finder FN-6X

Built-in 6X magnifying glass for extremely precise focusing of the entire image area. Built-in dioptric adjustment from -5 to +3 diopter. CA2361 \$179.95

AE Power Winder FN

Provides for shutter-priority AE operation up to 2 f.p.s. Powered by 4 AA batteries. CA1975 \$189.95

AE Motor Drive FN Set

Provides for shutter-priority AE operation. Features: High-5 f.p.s., low-3.5 f.p.s., and single frame advance. Power rewind. CA1980 \$389.95

High Power Ni-Cad Pack FN	
041000	4160 0

CA1990	\$169.95
Ni-Cad Pack FN Set	
CA1995	\$104.95

Film chamber FN-100 CA2470 \$359.95

Film magazine F	N-100	
CA2405	\$	29.95
MA-FN Charger	CA1996 \$	87.95

Canon A-1



- Ultimate system versatility with 6-mode exposure control.
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Accessories for A-1 Cameras

MA motor drive set	CA2025 \$222.95	
MA Nicad pack w/ch	narger	
CA2065	\$177.95	

Canon AE-1 Program

AE-1 Program Chrome Body
CA0200 \$216.95
AE-1 Program Chr. Body w/50 mm f/1.8 CA0200-1110
AE-1 Program Chr. Body w/50 mm f/1.4 CA0200-1115 \$310.95

Auto Bellows w/cable CA2830 .. \$143.95

Canon Close Up Accessories

Duplicator 33-55R (Auto) CA2843 \$	78.95
Duplicator 35-52R (Auto)	79.05
CA2844\$	
Macro Stage (Auto) CA2836 \$	49.95
Bellows FL CA2833\$	99.95
Slide Duplicator 55 (FL)	22.05
CA2840\$	33.95
Slide Duplicator 52 (FL)	22.05
CA2841\$	33.93
52mm Close Up Lens 240	20.05
CA2824\$	39.95
52mm Close Up Lens 450	
CA2822\$	39.95

Canon Flash

Speedlite 533G	CA4150 \$174.95
Speedlite 577G	CA4155 \$209.95
Speedlite 199A	CA4140 \$ 99.95
Speedlite 166A	CA4132 \$ 56.95
Speedlite 188A	CA4135 \$ 66.95

Accessories for A Series Cameras

Power Winder A Set	CA2001	 	ş	85.95
Data Back A CA24	150	 	\$	81.95
Wireless Controller	Set LC-1			
CA2090		 	\$	129.95

All products listed are authorized Canon products. Please call for more information.

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Canon Lenses



7.5mm f5.6 CA1005	\$409.95
15mm f2.8 CA1008	\$383.95
17mm f4 CA1012	\$268.95
20mm f2.8 CA1015	\$233.95
24mm fl.4 CA1018	\$767.95
24mm f2.0 CA1020	\$289.95
24mm f2.8 CA1025	
28mm f2 CA1030	
28mm f2.8 CA1035	\$ 88.95
35mm f2 CA1040	
35mm f2.8 CA1045	\$ 83.95
35mm f2.8 T.S. CA1048	
50mm f1.8 CA1110	\$ 53.00
50mm fl.4 CA1115	\$ 94.00
50mm f1.2 CA1120	
50mm f1.2L CA1123	
50mm f3.5 Macro CA1130	\$154.95
85mm fl.2 CA1200	\$486.95
85mm fl.8 CA1205	\$162.95
85mm f2.8 Soft CA1203	\$349.95
100mm f2 CA1208	\$249.95
100mm f2.8 CA1210	
100mm f4 Macro CA1213	\$279.95
135mm f2.8 CA1220	\$138.95
135mm f3.5 CA1225	\$ 98.95
200mm f2.8 CA1240	\$302.95
200mm f4 CA1245	
200mm f4 Macro CA1248	\$445.95
300mm f4 CA1265	
300mm f4L CA1268	
300mm f5.6 CA1270	\$254.95
400mm f4.5 CA1275	\$879.95
500mm f8 Reflex CA1320	\$359.95
24-35mm f3.5 Zoom CA1400	\$466.95
28-50mm f3.5 Zoom CA1405	\$428.95
35-70mm f2.8-3.5 Zoom	
CA1410	
35-70mm f4 Zoom CA1415	
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35-105mm f3.5 Zoom CA1417 .	
50-135mm f3.5 CA1420	
70-150mm f4.5 Zoom CA1425 .	
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80-200mm f4 Zoom CA1435	
85-300mm f4.5 CA1433	. 3003.33
CA1450	\$127.95
2X FD Extender A CA2875	
2X FD Extender A CA2875	

2X FC Extender B CA2876 \$163.95

Tools and Magnifiers





Deluxe Spanner Wrench

Versatile spanner wrench designed especially for camera and optical work. Precision screw drive adjustment, adjusts quickly and easily from 0" to 3" diameters. Hardened flat bladed tip reverses to a pin type tip. Excellent for mounting large format lenses on lens-HR1010 \$64.95



Lens Spanner Wrench Set Includes both blade and pin type wrenches adjustable to 78mm. Steel construction.

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Moody Maxi Tool Set

A complete 22-pc. set of precision miniature tools. Set includes:

- Six screwdriver blades in sizes .025," .040," .055," .070," .080" and .100." Two cross-recessed drivers Nos. 0
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- Five socket wrenches in sizes 5/64," 3/32," 7/64," 1/8" and 5/32."
- One awl\$18.95 BR8880 ...



Acu-Min Screwdriver Set

All steel construction for extra strength. Set of 6 screwdrivers size .025 to .1

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For easy removal or separation of lens accessories from lens mounts. For lens accessory or lens with thread sizes from 48-58mm KT1015 \$ 1.95

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BL1000 \$169.95 A.C. adapter BL1010 \$ 29.95



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Six different kits in one, contains screwdriver and awl kit, phillips driver and allen wrench kit, socket wrench kit, offset open end wrench kit, a drill kit, and a tap kit. Each kit has knurled. non-slip Moody Swivel Top handle and 5 interchangeable tool ends.



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Rapid-action ratchet with interchangeable 4 and 6mm flat blades and number 1 and 2 Phillips head blades. The convenient ratchet has forward, reverse and locked positions. For quick operation in light-duty applications, there is a rapid action wheel operated by thumb and forefinger. Includes case. HT1000..... \$ 9.95

Wise Screwdriver And Socket Set

Rapid-Action ratchet with interchangeable 4 and 6mm flat blades, number 1 and 2 Phillips head blades and 5 sockets from 1/4" to 5/8." Ratchet has same features as in screwdriver set. Includes HT2000 \$18.95



Film Leader Retriever

Retrieves film leader which has accidentally rewound into 35mm cassette. Easy to use. Will not damage film. CT4050.....\$ 4.95







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5X inexpensive lupe for general purpose use. PC1960 \$ 9.95

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PC1961 \$14.95 22X high quality, powerful lupe with a

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PC1964



30X Microscopic Lupe with image quality comparable to a compound microscope of the same magnifying power. This lupe is constructed with 4 elements in 2 groups.

PC1996 \$39.95

10X lupe with suction cup for attachment to any flat surface. Attach to the ground glass of large format cameras for more convenient focusing. The suction cup is removable for conventional use of the lupe.

PC1993..... \$14.95



4X Anastigmatic Lupe designed to allow the user to observe the entire 58mm viewing area up to 1 inch from the eye-piece. This lupe is optically corrected for curvature of field and aberrations to insure image sharpness from edge to edge. Features dioptric adjustments, removable glass millimeter scale and clear barrel for illuminating opaque objects. Excellent for viewing 35mm and 21/4 slides.

PC1990\$59.95



Steinheil pocket lupes are manufactured using a biconvex lens with strong curvatures made of crown glass and two negative meniscus lenses of flint glass cemented on both sides of the primary lens. Features excellent chromatic correlation and reasonably wide field of view. Includes sliding cover for protection from dirt and dust.

10X lupe. PC2005 \$24.95 20X lupe. PC2007......\$29.95



10X scale lupe with 5 interchangeable scales that precisely measure items under magnification. Excellent for checking reproduction size on the ground glass or comparing originals to copies. Lupe has dioptic correction. Set comes in a plastic case.



2.5X magnifier with a 20mm diameter 5X magnifying lens cemented on the 75mm diameter main lens.

PC1989.....



3.5X lupe with light ideal for looking at fine detail in proof. Square magnifier is detachable for use as a flashlight.



25X pocket microscope shaped like a regular pen with clip for securing in your pocket. PC2001 \$19.95



Bulk Film Loading Supplies

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35mm loader for standard cassettes.
AD1000\$12.95
35mm 250 exposure cassette loader.
AD1100\$31.95
70mm Bulk Loader.
AD1200 \$74.95
Watson Bulk Loader

Model 100 for 35mm film. BR8250\$16.95 Reloadable 35mm Cassettes. Fully light trapped and scratch-proof. For use in bulk film loaders. Plastic Cassettes (4 pk.)

KT0370..... Metal Cassettes (4 pk.) CT2020..... \$ 1.95

Metal Cassettes (100 pk.) BR8300\$34.95 Kodak Snap Cap Cassette 35mm

KK9610 \$.75

Professional Tripods and Accessories



Majestic Tripods

The well known Majestic tripods and accessories are designed for utmost rigidity, dependability and long life. Majestic is the outstanding choice of many professional photographers. Heads not included with tripods. Quicklift elev., braced legs, 30"-49," no leg center exten. (4"x5") MJ2000 ... \$122.95 Same as MJ2000 with leg and center exten. 33"-95" (4"x5") MJ2500 \$164.95 Quicklift elev., unified leg spread, 34"-95" (4"x5") MJ3000.....\$195.95 Same as MJ3000 with Powerlift MJ3300\$212.95 Double tube legs, braced, no elev., 33"-58" (8"x10") MJ4000.....\$187.95 Same as MJ4000 plus Quicklift elev., 37"-97" (8"x10") MJ4400.....\$259.95 Same as MJ4000 plus Powerlift elev., 37-97" (8"x10") MJ4800.....\$277.95 Standard gear head, 6"W x 7"L, for 11/2" post, Models 2000-4800 (8"x10") MJ1200 \$ 97.95 Same as 1200 with 6"Wx41/2"L table (5"x7") MJ1400 \$ 97.95 Same as 1200 with 3%"Wx3"L table (4"x5") MJ1600 \$ 97.95 Same as 1200 with $4\frac{1}{2}$ " round table $(4^{\prime\prime}x5^{\prime\prime})$ MJ1800 \$ 97.95 Side arm, fits 2000-4800, top or bottom of center post MJ8040 \$ 39.95 Majestic Flat Foot MJ8050 \$ 29.95 Majestic Spike (for 2500, 3000, 3300) MJ8055 \$ 24.95 Majestic Spike (for 4000, 4400, 4800)

Quick-Set Tripods

Quick-Set Tripods are built extra-strong... designed by photographers to offer the stability, ease of operation and portability necessary for a rapid and accurate setup of large format cameras. They are also ideal camera platforms for 35mm and hand cameras where sharpness must be absolute.

Quick-Set Elevator Tripods have geared elevator columns for 15" of rapid adjustment without having to move the tripod legs. The geared column, separate pan and tilt controls are extra strong.

6' Maximum Height - 3 Section

3-section legs, $1\sqrt[4]{4}$," 1%" and 1." Minimum length telescoped 30." Maximum height 6." Weight $7\frac{1}{2}$ lbs. With pan head.

QS1313......\$139.95

For a 7'6" Height - 4 Section

4-section legs, 1¼," 1½," ½," Minimum length telescoped 31." Maximum height 7'6." Weight 8¼ lbs. With pan head.

QS1314......\$159.95

For Fast Delivery, Call Free of Charge



Bogen Tripods

Whether you use a 35 mm or a 4"x5" camera, Bogen has a tripod for your requirements. All Bogen tripods feature hand finished, high strength aluminum alloys that resists wear and remain rigid and stable even with heavy use and abuse.

3022 Convertible tripod (w/new 3028 "Super 3-D" head) elevation 14"-74.5"
BG4005 \$89.95
3035 Professional 3-selection tripod (w/3047 3-way panhead) elevation: 36"-87.5"
BG4010 \$139.95
3040 Professional 2-section tripod (w/3047 3-way panhead) elevation: 36"-87.5"
BG4015 \$129.95

3050 Professional Tripod lets you extend one leg at a time or all three together with finger tip control, (with 3047 3 way panhead) elevation: 36"-87.5"

BG4020 \$169.95

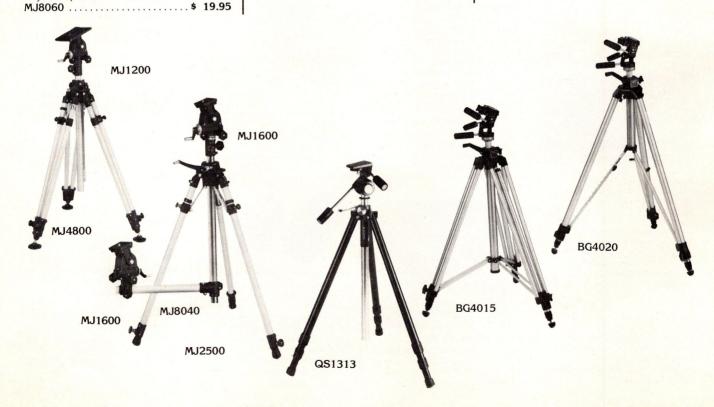
Bogen Mounting Plates

For 3040, 3035 and 3050
3041 Mounting Plate U.S. Thread (¼x20)
BG4017 \$ 9.95
3042 Mounting Plate Euro. Thread ¾"
BG4018 \$ 9.95

Bogen Extension Legs

3052 Extension Leg Set for 3050 and 3040 BG4060 \$23.95 3045 Bogen Tripod Carry Strap

BG4050 \$ 73.95



Professional Tripods and Accessories



Gitzo Tripods

Gitzo Tripods are hand assembled to the most demanding European precision requirements, which gives optimal stability without torque. Gitzo tripods remain rigid even when fully extended. This, along with their small folded size, makes Gitzo tripods ideal for location photography with any format camera.

Each tripod passes the most severe quality controls to meet the most rigid European standards. Uncompromisingly solid, virtually indestructible precision mechanisms make the service quota for Gitzo tripods less than 1%. And, you are protected by the full 5 year Gitzo Warranty plus permanent service and availability of parts.

126 Total Luxe Performance

226 Reporter Mode Performance

4 Sections, Range: 0"-69," Folded: 17," Weight: 4½ lbs. Head not included, for 35mm up to lightweight 4x5 field cameras.

GZ1226 \$139.95

301 Studex

3 Sections, Range: 23'' - 72,'' Folded: 25,'' Weight: 534 lbs., Head not included, for 214×214 up to 4×5 cameras.

GZ1301 \$134.95

323 Studex Compact Performance

410R Pro Studex Giant/Rapid

3 Sections: Range: 0''-84," Folded: 32," Weight: 9 lbs. Head not included. For 4 x 5 up to 5 x 7 cameras.

GZ1411 \$249.95

505C Tele Studex Compact/Cremaillere

4 Sections: Range: 0"-68," Folded: 24," Weight: 11½ lbs. Head not included. For Heavy 4 x 5 up to 8 x 10 cameras. GZ1507 \$\frac{\$379.95}{}\$

Gitzo Monopods

563 Mono Reporter

4 sections, Range: 19'' to 64.'' Weight: $1\frac{1}{2}$ lbs. Head not included. For 35mm and $2\frac{1}{4}$ x $2\frac{1}{4}$ cameras. **GZ1563** **\$ 55.95**

563 Mono Studex

4 Sections, Range: 19''-64," Weight: $1\frac{3}{4}$ lbs. Head not included. For 35mm, $2\frac{1}{4}$ x $2\frac{1}{4}$ and 6 x 7 cm cameras.

GZ1564 \$ 64.95

Gitzo Pan and Tilt Heads

272 Rational 2B

372 Rational 3B

472 Rational 4B

570 Rational 5

Platform 6¾" x 4," Height 3½," Weight 3½ lbs., for heavy 4 x 5 up to 8 x 10 cameras. **GZ2570** \$109.95

Gitzo Ball Heads

175 Ball 1

 275 Ball 2

375 Ball 3

Recommended Tripod/Head Combinations

Lightweight Field Camera Tripod

Gitzo 226 Reporter Mode Performance Tripod with the Gitzo Ball 2 Head. Total weight only 5½ lbs. Extended Height 72¾." Folded length less than 21."

GZ1226 and GZ3275

package\$199.95

Standard 4x5 Tripod

Gitzo Studex compact Performance Tripod with the Gitzo Rational 3b Head. Total weight 834 lbs. Extended height 791/2."

GZ1323 and GZ2372

package\$259.95

Heavy Duty 4x5 Tripod

Gitzo 410 R Pro Studex Giant with Rapid sliding column and Gitzo 472 Rational 4B head. Total weight 1234 lbs. Extended Height 911/2."

GZ1411 and GZ2472

package\$349.95

Star-D Tripods

Model D-26 is a heavy duty tripod for up to 4 x 5 field cameras. Extends to 70" folds to 30" weight under 6 lbs.

UL7026 \$ 79.95

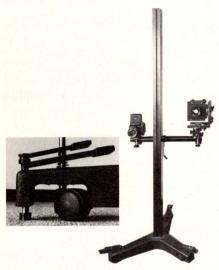
Model D-29 is a light weight tripod with the same features of D-26 for medium format cameras and smaller. Extends to 58" folds to 22½". Weight 4 lbs.

UL7029 \$ 49.95



Cambo presents a rugged line of professional studio stands that have achieved a world-wide reputation for proven reliability, precision and stability. Designed for use with all professional cameras and tailored to your needs with a full line of interchangeable platforms and accessories.

CAMBO EST STUDIO STAND



Cambo EST Studio Stands

The Cambo EST Studio Stand is designed to handle all cameras up to and including 4×5 format. The EST is available with either one or two camera arms complete with camera platforms. The optional accessory tray attaches independent of the camera arm.

EST Studio Stands Complete

E1 square column, black, with sliding collar, counter weight, and base, CB0743, E3 arm for 1 camera with E10 camera support CB0744

Total Package \$559.95

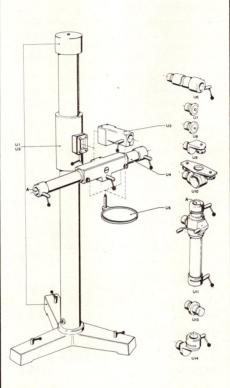
E1 square column, black, with sliding collar, counter weight, and base, CB0743, E4 arm for 2 cameras with 2-E10 camera support CB0745

Total Package \$629.95

EST Camera Supports and Accessories E5 Accessory tray fitting E1

CB0746\$	86.95
E10 Camera support, with ¼" WW-thre CB0749	ead 54.95
E12 Extra heavy counterweight for E1 CB0750 \$	59.95
E13 Set of 3 replacement casters CB0751 \$	34.95
E20 Camera support, with %" WW-three CB0752 \$	ead 55.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Cambo UST Studio Stands

UST Studio Stands are designed to handle all cameras up to and including 8 x 10. The double camera arm is gear driven for precise lateral movement. The following UST Studio Stand packages include everything necessary to make an operating stand. You may also wish to consider a Majestic gear head and the Cambo accessory tray.

Cambo UST Single Arm Studio Stands Include the following with your choice of

7, 9, or 12 ft. columns.

1 Cambo UST Column (Specify 7, 9, or 12 ft.)

1 Cambo UST Base CB0677

1 Single Arm CB0705

1 U-9 3/8" Platform CB0711

7' UST Single Stand Complete ... \$1189.95 9' UST Single Stand Complete ... \$1249.95 12' UST Single Stand Complete ... \$1389.95

Cambo UST Double Arm Studio Stands Include the following with your choice of

7, 9, or 12 ft. columns.

1 Cambo UST Column (Specify 7, 9, or 12 ft.)

1 Cambo UST Base CB0677

1 Double Camera Geared Arm CB0706

2 U-9 3/8" Platforms CB0711

7' UST Double Stand Complete .. \$1539.95 9' UST Double Stand Complete .. \$1599.95

12' UST Double Stand Complete. . \$1739.95 For Hydraulic Base on any of the above UST Studio Stand packages **Add** \$600.00.

CAMBO UST STUDIO STAND



UST Camera Platforms

U10 Camera Platform with two screws (%" thread) fitting U3, U4, U6, U11. Movability:

180° in either direction.

CB0713\$219.95

U12 camera Platform, fixed, with ¼" WW-thread fitting U3, U4, U6, U11.

Accessories for UST Stands

 U6 Extension tube, length 380mm/15.5"

 fitting U3, U4, U11.

 CB0708
 \$169.95

 U5 Accessory tray, complete, for U3 and U4.

 CB0707
 \$123.95

 U13 Coupling unit
 CB0715
 \$ 76.95

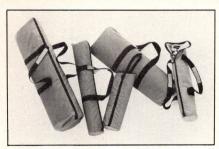
 U14 Coupling unit
 CB0700
 \$144.95

 U15 Extra counterweight, only for UST

CB0699 \$ 69.95
U17 Adapter for U-parts, for use on stands

with %" WW-thread CB0717....\$104.95 U20 Socket spanner CB0718...\$ 14.95

Call or write Calumet for the completely illustrated brochure about the Cambo system stands.



Tri-Paks are professional quality tripod bags to carry light stands, umbrellas, and tripods on location.

44.95
39.95
35.95
29.95



3-Way Case

Tripod case with 3-way carrying (back, shoulder, hand carry) made with 100% cotton duck, 30" x 9" (tapers to 4½"), black. CT4005 \$19.95

Nylon Case

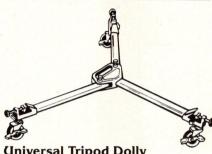
Nylon tripod case has adjustable strap, $25'' \times 6\frac{1}{2}''$ (tapers to $4\frac{1}{2}''$), tan. CT4011 \$13.95



Fiberbilt Adjustable Tripod and **Lightstand Cases**

Practical cases that protect tripods with plywood bottom for puncture resistance and thick rubber pad in cover to hold tripod securely.

Length Min. Max.		Inside Diameter	Cat. No.	Price
25"	30"	81/2"	FB3450	\$64.95
30"	40"	81/2"	FB3455	\$65.95
40"	50"	81/2"	FB3460	\$66.95
30"	40"	10"	FB3465	\$69.95
40"	50"	10"	FB3470	\$72 95



Universal Tripod Dolly

Features adjustable leg clamps, unique single-action" leg locks, rugged 3 inch diameter wheels with individual locks, all aluminum construction, collapses to compact 18" and carrying handle. CT4015 \$59.95



Tripod Strap

Adjustable tripod strap that can be used with all tripods. Made with strong but soft one inch tubular nylon webbing.

MO1010

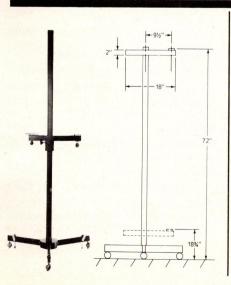


Shoulder Pad

Foam lined pad 11" long provides non-slip surface for camera straps up to 2" wide. Velcro strip for securing pad to strap. Black CT4530 \$ 5.95

Studio Stands





Technal CS-I Studio Camera Stand

Free-wheeling camera stand gives you great movability for camera placement, then locks into a rock-solid stance for super stability while shooting.

SPECIFICATIONS

- Base is a 36" diameter
- Clearance height (for getting through doors fully assembled) is 77'
- Shipping weight: 45 lbs. Net weight: 34 lbs.
- Recommended for small and medium format cameras
- See sketch for other dimensions

BG3010 less head \$219.95

Note: Studio stands exceed U.P.S. shipping requirements. Stands are shipped by truck freight collect only.

Arkay® Mono-stands®

Mono-stand Senior

- Available in 6, 8, 10 and 12-foot heights
- Accepts most tripod heads
- Easy rolling 4" ball bearing casters with toe-touch locks
- 22 lb. counter balance—additional 5 lb. weights available — does not include tripod head

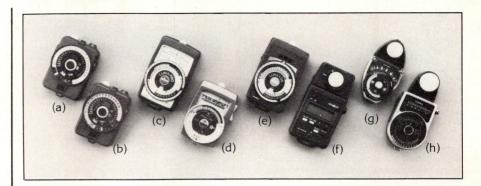
6-foot stand	AK1006		\$649	.95
8-foot stand	AK1008 .		\$674	.95
10-foot stand	AK1010		\$714	.95
12-foot stand	AK1012	!	\$759	.95
	200 Tripod Head		\$ 97	.95
	Balance Weight	!	\$ 24	.95
Accessory Tra	y AK1260	!	\$ 31	.95

Professional Continuous Meters



Every photographer needs a good dependable light meter. Calumet has selected the following meters based on their features, quality and service reputation. The specification chart is ideal for making comparisons; however, other factors such as method of readout and available accessories should also be considered when choosing a light meter.

Specifications provided by manufacturers subject to change without notice.



Continuous Light Meters	ASA Range	F-Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	EV at ASA-100	Comments	Supplied with:	Cat. No.	Price
Calcu-Light X (a)	.05 to 800,000	0.7 to 181	1/4000 to 1 Hr.	Silicon Photo Diode	LED Digital	MS-76 (4)	-3 to 21.3	Memory Recall	Case, Neck Strap & Batts.	CU1000	\$109.95
Calcu-Light XP (b)	.05 to 800,000	0.7 to 181	1/4000 to 1 Hr.	Silicon Photo Diode	LED Digital	MS-76 (4)	-7 to 21	Extended Range Over Calcu-Light X	Case, Neck Strap & Batts.	CU1500	\$146.95
Gossen (C) Luna Pro SBC	0.8 to 100,000	0.7 to 128	1/4000 to 8 Hr.	Silicon Blue	Analog Nulling System	9V Tran- sistor	-4 to 17	Full System of acc. available	Case, Neck Strap Battery	GS4009	\$139.95
Gossen (d) Luna Pro	-8 to 25,000	1 to 90	1/4000 to 8 Hr.	CDS	Analog	PX-13 (2)	-4 to 17	Dual Range	Case, Neck Strap & Batts.	GS4002	\$ 99.95
Gossen (e) Luna-Lux	6 to 12,500	1 to 45	1/2000 to 2 Hr.	Silicon Blue	LED Nulling System	9V Tran- sistor	+1 to 17	Direct Meas- urement for Zone System	Case, Batt.	GS4025	\$ 89.95
Minolta Auto Meter III (f)	12 to 6400	0.7 to 64	1/2000 Sec. to 30 Min.	Silicon Photocell	LED Digital and Analog Display	AA	Incident: -2 to 19.5 Reflected: 1 to 22.5	2-Memory Measurement w/Digital Recall	Sherical Diffuser, Neck Strap, Belt Case, Battery	MN4007	\$128.95
Sekonic (g) L-398	6 to 12,000	1 to 90	1/2000 to 60 Sec.	Selenium Photocell	Analog	None	Incident: 4 to 17 Reflected: 9 to 17	Swivel head ft. candle scale	Strap, Case Lumisphere Grid, Disc High Slide	SE4060	\$ 67.95
Sekonic (h) L-428	8 to 25,000	1 to 90	1/4000 to 60 Min.	Silicon Blue Cell	Analog	MS-76 (4)	-3 to 18	System accessories available case	Lumi Disc, Lumi Grid, Batts.	SE4080	\$116.95

Gossen Luna-Pro SBC Dedicated Accessories

Luna Sphere w/360° Swivel Head measures incident light; flat plane diffuser capability GS4491 \$124.95
Flash Attachment Converts Luna-Pro SBC to electronic flash meter GS4490 \$149.95
Fiber Optics Probe for Macrophotography GS4495 \$191.95
Color Attachment gives color temp. readings of incident light in Kelvin, decamired values and Kodak equivalents GS4497 \$208.95
Microscope Attachment fits ocular tube; gives

Multibeam Spot w/10° & 5° measuring angles

GS4492 \$229.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

reliable exposures for photomicrographs

GS4493 \$ 44.95

Gossen Accessories for Luna Pro, SBC, Luna-Pro F, Luna Lux

Variable Angle Attachment w/15° or 7.5°

GS4420 \$ 36.95
Repro (Copying) Attachment for flat copy, paintings, documents and prints.

paintings, documents and prints. **GS4429 \$ 36.95**

New Calumet Lens Wrap

No more cumbersome lens bags or draw string to fight with, just fold the lens wrap around your lens—quick and neat. Padding keeps lens protected: Velcro-type fasteners keep it wrapped. Lens wrap also wraps light meters, flash and other sensitive equipment. Blue.

11" x 11" DK2030 \$ 9.95 19" x 19" DK2035 \$14.95

Sekonic Meter Accessories

For L-428 System Meter
10° Viewfinder SE4450 ... \$ 49.95
Enlarger Attachment SE4455 ... \$ 23.95
Pinpoint (fiber optic) attachment
SE4457 ... \$ 66.95
For L-256 Flash Meter
Synchro Cord w/case SE4520 ... \$ 15.95
For L-398 Studio Meter
11 Piece Slide Set SE4410 ... \$ 16.95

Minolta Meter Accessories

For Auto Meter III and Flash Meter III

10° Spot Attachment MN4405 \$ 29.95

Flat Disc Diffuser MN4410 \$ 7.95

Mini Receptor (Close-Up Probe)
MN4135 \$ 73.95

Spherical Diffuser MN4412 \$ 7.95

40° Reflected Light Attachment
MN4415 \$ 7.95

Meter Booster Set MN4134 \$159.95

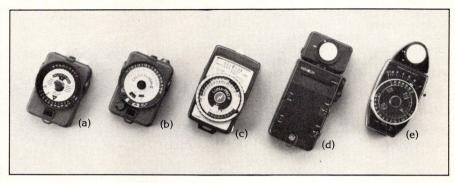
For Color Meter II

Flash Receptor (permits color temp readings of electronic flash) MN4022 \$299.95

Professional Flash Meters

A flash meter is an absolute necessity to the studio photographer working with electronic flash. Calumet has selected the following meters based on their reliability and performance. In addition to the specifications you may wish to consider accessory capability and method of readout. A flash meter with dual function feature for continuous light can make excellent back up for your regular

Prices and specifications subject to change without notice.



Flash Meters	ASA Range	F/Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	EV at ASA-100 for Continuous Lite	Cord/ Cordless	Dual Function: Flash/ Continu- ous Light	Supplied with:	Cat. No.	Price
Calcu (a) Flash S	0.5 to 50,000	1.0 to 91	N/A	Blue Enhanced Silicon Photo Diode	Digital LED	MS-76 (4)	N/A	Cordless Only	Flash Only	Hi, Low Turrett, Neck Cord, Batts.	CU2500	\$115.95
Calcu (b) Flash II	0.5 to 50,000	1.0 to 81	1/15 to 1/500	Blue En- hanced Sili- con Photo Diode	Digital LED	MS-76 (4)	3 to 24	Both	Both	Flash, Cord Inc. & Ref. Lite, Turrets, Batts.	CU2000	\$166.95
Gossen (c) Luna Pro F	0.8 to 100,000	0.7 to 128	8 Hrs. to 1/4000	Silicon Blue Cell	Analog Nulling System	9V	-1 to 17	Cordless Only	Both	Case, Batt, Strap	GS4015	\$153.95
Minolta (d) Flash Meter III	12 to 3200	1.0 to 90.9	AMBI-30 Sec to 1/1000 Flash 1 to 1/1000	Silicon Photo Cell	Digital LCD	MS-76 (6)	1 to 18.2	Both	Both	Case, Reflector, Adapter, Batts.	MN4130	\$333.95
Sekonic (e) L-256	6 to 12,000	1 to 128	1 Sec. to 1/2000	Silicon Blue Cell	Analog	TR-164	Inc 9 to 20, Ref 10 to 21	Both	Both	Sync Cord, Lumisphere, Lumi-Disk Reflected Lite Filter	SE4120	\$176.95

Calcu-Light, Calcu-Flash Accessories

CFX-1 Filter set with CFT turret, ND-4X, #80B, #85B, #8 and #25A filters in case CU3005 \$28.95

SX-1 10° Spot Attachment CU3015 \$32.95

FOX-2 Fiber Optic Probe CU3023 \$49.95

DX-2 Flat Diffuser CU3025 \$18.95

CFT Turret CU3100 \$7.95

CFC Calcu-Flash Replacement Cable CU3040 \$7.50

HC-1 Hard Case for Calcu-Flash or Calcu-Light

CU3045 \$13.95



Zone Systemizer

A new system for creative photographic control by Dowdell and Zakia. Automatically computes optimum exposure and development for any subject in visual terms.

MM2040 (Available June 1983)....\$ 10.95



Harris Memory Meter II

The Harris Memory Meter II is not a "meter" in the traditional sense but more an aid in helping you learn the different exposure values of varying subjects and lighting situations. It is also a good reference if your light meter fails. The plastic coated cardboard meter lists 21 different subjects with their respective x-ratings. A handy wheel allows you to conveniently convert these x-ratings to actual exposure values giving you a choice of several shutter speeds, f-stop combinations.

The Memory Meter II allows you to second guess your light meter with amazing accuracy by x-rating the scene. The system uses the "sunny 16" rule (1/film speed ø f16 for exposure on a bright sunny day) as X0 or home base for calculating exposures.

The x-rating is simply a memory key representing average subjects in bright sunlight. X1 represents average subjects in hazy sun with

soft shadows and requires 1 stop more exposure than XO. The x-rating increases in one stop increments to X19 representing a full moonlit dark subject with shadow areas and requires 19 stops more exposure than XO.

Professional photographers can many times use the Memory Meter II to preplan assignments. By knowing the exposure they will use before they leave the studio, they can make sure they have the correct camera, lens, tripod, film and supplementary lighting for the assignment.

For Fast Delivery, Call Free of Charge

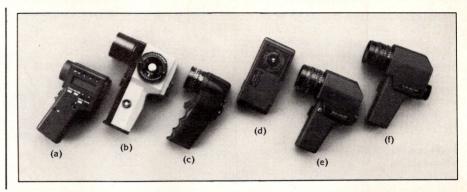


(In Illinois, call: 1-312-860-7447)

Professional Spot and Large Format Meters

Anyone who has ever worked with the Zone System realizes the importance of a spot meter for accurate exposure control. All of the following spot meters are capable of accurate results; however, these meters are so selective that they require thoughtful use.

Prices and specifications subject to change without notice.



Spot Meters	ASA Range	F/Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	Measuring Range	Measuring Angle	Filter Size	Supplied with:	Cat. No.	Price
Minolta Spot Meter M (a)	12 to 6400	0.7 to 64	1/2000 to 30 min.	Silicon Photo Diode	Digital LCD & Analog	1-AA	1 to 22.5	1°	Not Threaded	Neck Strap, Belt Case, Cap, Batt.	MN4017	\$333.95
Pentax Spot V (b)	6 to 6400	1 to 128	1/4000 to 4 min.	Silicon Photo Diode	Analog	3 MS 76	1 to 19	1°	46mm	Case, Cap, Strap, Batt.	PX4040	\$199.95
Pentax Digital Spot (c)	6 to 6400	1 to 128	1/4000 to 4 min.	Silicon Photo Diode	LED	1- PX 28	1 to 20	1°	40.5mm	Case, Cap, Strap, Batt.	PX4050	\$297.95
Sekonic L-438 (d)	6 to 6400	1 to 90	1/4000 to 60 Sec.	Silicon Photo Diode	Linear Digital	1-AA	3 to 18	3°, 4°, 6°, 10°	Not Threaded	Leather Case, Neck Cord, Batt.	SE4090	\$139.95
Soligor Spot Sensor II (e)	6 to 12,800	1 to 128	1/4000 to 30 min.	SPD Blue Enhanced Silicon Photo Diode	Analog reading of EV numbers	9V	2 to 18	1°	43mm	Cap, Wrist Strap, Eye Cup, Case, Batt.	IP2000	\$169.95
Soligor Digital Spot (f)	6 to 12,800	1 to 128	1/4000 to 50 min.	SPD Blue Enhanced Silicon Photo Diode	LED Digital Display	9V	1.0 to 20	1°	43mm	Cap, Wrist Strap, Eye Cup, Case, Batt.	IP2010	\$219.95



These large format through-the-lens exposure meters slide into the camera back just like a film holder, and automatically compensate for bellows extension and filters. The integrated metering system reads light at the film plane providing electronically accurate readings in nearly all continuous lighting situations. The price to performance ratio of the Horseman meters, makes them the best large format meters we've ever seen.

Horseman 4X5 Optical **Exposure Meter**

Measures light over the entire 4X5 area for a fully integrated reading. This meter has three ranges and excellent low range sensitivity for long bellows extension and small aperture applications.

Specifications: ASA Range—3 to 12,000; Shutter Speed Range - 1/500 to 30 min. FSV Range - 5 to 19

Horseman 4X5 Optical Exposure Meter HR4680 \$398.95 Replacement Battery DU6195 \$ 7.00

Horseman 6X9 Optical **Exposure Meter**

Reads 6X9 cm area for cameras such as the Horseman VHR. May also be used in any standard 4X5 camera by means of an optional 4X5 adapter. The smaller metering area provides a "center weighted" type of reading

when used on a 4X5 camera.	
Specifications: ASA Range—3 to 12,000	
Shutter Speed Range — 1/1000 to 30 min	1.
FSV Range—2 to 16	
Horseman 6X9 Optical Exposure Meter	
HR9380\$24	9.95
4X5 Adapter for 6X9 meter	
HR9382 \$ 4	2.95
Case for 6X9 meter with 4X5 Adapter	
HR4672 \$ 1	8.95
Case for 6X9 meter only	
HR9381 \$ 1	8.95
Replacement Batteries for 6X9 meter	
(one each required)	
DU6195	7.00
DU6400\$	1.95



PHOTOMASTER-10

TTL Spotmeter System for large format cameras.

The Photomaster-10 provides accurate, reliable spot readings for 4x5, 5x7 and 8x10 formats. Automatically compensates for bellows extension and filters. Ideal for scene brightness, product photography, and copying.

Photomaster—10 meter only probe.	y—requires
HF1050	\$395.00
4x5 Holder with probe HF1060	\$225.00
5x7 Holder with probe HF1061	
8x10 Holder with probe HF1062	\$325.00

Copy Equipment





Bowens Illumitran

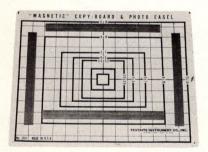
For one-to-one duplicates from color originals. Reduces from all or part of the original. For making film strips, sectional blow-ups, black-and-white negatives or positives from color originals. Lets you duplicate with special effects without heat problems and correct for overexposed or underexposed originals. Illumitran

3C offers contrast control for varying the color of shadow areas without affecting highlight coloration. Allows you to compensate for color crossovers.

Bowens Illumitran Holder/Illuminating unit for 4x5 transparencies includes extension cord for meter probe.

BW5507 \$47.95

*Order lens and camera body adapter separately.



Testrite Magnetic Copy Board

For fast delivery, Call free of charge, Monday through Friday 9 am to 5 pm Central Time 1-800-323-2849 (In Illinois, call 312-860-7447)



Kenro "Genie" Copy Stand

Precision camera stand for all types of copy and duplicating work. Features include absolutely rigid, heavy duty welded tubular steel copy stand with vibration free camera column, large 20" x 24" copy hold-down glass, heat controlled 18" x 18" translucent, fluorescent or strobe backlight illuminator, choice of three copy light systems, incandescent, Halogen quartz or strobe, and motor driven screw drive camera mount.

Complete Genie Copy Stand with fluorescent backlight illuminator and adjustable lamp support arms.

With 4-150W incandescent lights
KO1000 \$\frac{1}{2} \tag{995.00}\$
With 4-250W Halogen quartz lights
KO1005 \$\frac{1}{2} \tag{1295.00}\$

With 2-strobe heads, flash tubes, modeling lights and 200 W/S power supply. Also includes strobe backlight illuminator. KO1010 \$\frac{\tag{50.00}}{\tag{50.00}}\$



Technal TC-1 Copy Stand

Features position-adjust handle, coupled with a rotating friction drive and a flipover locking lever. Also includes adjustable camera arm length, removable and adjustable alignment guide and spring counter-balanced elevating mechanism.



Kenro Spectra 1000 Slide Duplicator

Mount your 35mm SLR camera on the Kenro Spectra 1000 for perfect through-the-lens focusing and perfect automatic exposures on most SLR's. All you need is the correct T-mount for your camera. Features include built-in cyan, magenta and yellow filtration with a range from 0-170cc with white light lever for focusing, filter drawer accepting 3" square filters for special effects, specially selected flat field 75mm Rodenstock lens mounted on an extra long bellows which allows enlargement of 16mm originals to 35mm slides or makes 35mm slides from 4 x 5 originals, high output quartz Halogen lamp and vibration free cooling system.

Spectra 1000 slide duplicator with 35mm full frame and 2¼ x 2½ masks, 2" x 2" carrier and sizing and color reference slides. T-mount not included. KO2000...........\$895.00

Spectra 1000 Accessories

Diffusion chamber for 4" x 5" transparencies KO2005
Universal X-Y Camera Mount KO2006
Replacement quartz Halogen lamp KO2007 \$ 20.00 ½ frame 35mm mask KO2008 \$ 10.00
2½" x 2¾" Mask KO2011 \$ 10.00 T-mount Adapter to adapt your camera body to the Spectra 1000. Specify make and model. KO2015 \$ 20.00
T-mount Adapter to adapt your lens to the Spectra 1000. Specify make and camera mount. KO2016

Vivitar Slide Printer

Makes perfectly exposed prints from slides instantly using Polaroid film. Automatic exposure control with manual over-ride, valuable composition selector allows slide cropping, powered by either four "C" cells or optional SB-6 AC adapter. VR4514......\$149.95 SB-6 AC Adapter for Vivitar Slide Printer. VR4515......\$ 17.95



Calumet Filter Frames

The self-sealing, cardboard filter frame is the ideal method of handling delicate gelatin filter. Space is provided for writing the filter type and factor.

	filter frames for 4'	
	filter frames for 3'	
	filter frames for 3'	0



A complete lens accessory system providing maximum freedom from glare and reflection plus complete image control for special effects. Accepts 3"x3" gels. Order lens adapter separately.

Model J. Skade for 35mm and 4.5x6cm

Model I Shade for 33mm and 4.3x0cm
cameras. AM2510 \$ 29.95
Model II Shade for 6x6 and 6x7 cameras
excluding wide angle lenses.
AM2520 \$ 38.95

AM2520 \$ 38.9	5
Adapters for Shade+ Sizes from 49mm thru 77mm plus series 8. Specify size	5
Hasselblad adapter AM2645	5
Vignette Set Model I AM2710 \$ 10.9	5
Vignette Set Model II AM2711 \$ 10.9	5
Montage Set Model AM2750 \$ 10.9	5
Montage Set Model II	

AM2751 \$ 10.95

Belt Pouch AM2850 \$ 13.95



Kenko Technical Filter Holder

This is one of the finest gel filter holders we have seen. Holds filters flat. Sizes 49mm thru 58mm holds up to 3" filters and has 62mm front thread. Sizes 62mm thru 77mm holds up to 4" filters, and has an 82mm removable lenshood.

49mm	55mm	62mm	72mm
KT0100	KT0110	KT0120	KT0130
\$19.95	\$19.95	\$35.95	\$35.95
52mm	58mm	67mm	77mm
KT0105	KT0115	KT0125	KT0135
\$19.95	\$19.95	\$35.95	\$35.95





Tiffen Glass-Gelatin Filter Holders

Series 7 for 3x3 Filters TF7840	\$32.95
Series 8 for 3x3 Filters TF7842	\$32.95
Series 9 for 3x3 Filters TF7844	\$37.95
Series 9 for 4x4 Filters TF7846	\$41.95

Tiffen Gelatin Filter Frames 3x3 filter frame TF7848 \$4.95 4x4 filter frame TF7850 \$6.95

Tiffen Square Filter Holder With Rubber Lens Shade

Series 9 for 3x3 Standard

Holds square glass, gelatin and round series size glass filters separately or together. Filters are held firmly in holder by side clips—ejection pin in base facilitates filter removal.

TP8010	\$45.95
Series 9 for 3x3 Wide Angle TP8012	\$60.95
Series 9 for 4x4 Standard TP8014	\$48.95
Series 9 for 4x4 Wide Angle TP8016	\$63.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Universal Gelatin Filter Holder

Easy to use. Snaps on all lenses from 20mm to 70mm. Accommodates 3 in. square gelatin filters plus filters or vignettes of your own design. Built-in in barndoors for lens shading.

BG9000 \$19.95



Leon Vignetter Kit

Vignetta Shade

For use with the Leon Vignetter Kit to shade the vignette. Not a lens shade.

LA4197\$24.95

Leon Vignetter Pro II Kit

Leon High Key Kit

Tiffen Adapter Rings and Accessories

C

Did You Know?

Step Up Step Down Rings

Step Up and Step Down Rings can save you money on filters. These rings may allow you to buy one size filter for two different size lenses. The only problem is how do you get the right adapter ring and is it a step up or step down? Step up rings are most often used because a larger than specified filter is used so as not to vignette. A simple rule is: lens size first, filter size second. Example: You have a 150mm Caltar II lens which takes 58mm filters and a 90mm Calter II which takes 67mm filters. You want to buy one polarizer for both lenses. You buy the larger size polarizer and also a 58 to 67mm step up ring. (58 is the lens, 67 is the filter). Beware when purchasing step down rings because the filter is smaller than the lens and may vignette.

Tiffen Step-Up Rings

Illien Steb-db	Milys	
Series 5 to 6	TF4001	\$ 3.95
Series 6 to 7	TF4002	\$ 3.95
Series 7 to 8	TF4003	\$ 4.95
Series 8 to 9	TF4004	\$10.95
49 to 52	TF4014	\$ 3.95
49 to 55	TF4015	\$ 3.95
49 to 58	TF4016	\$ 3.95
49 to 62	TF4017	\$ 4.95
49 to 72	TF4030	\$10.95
49 to 77	TF4031	\$10.95
52 to 55	TF4018	\$ 3.95
52 to 57 Bay*	TF4019	\$ 8.95
52 to 58	TF4020	\$ 3.95
52 to 62	TF4021	\$ 4.95
52 to 67	TF4032	\$10.95
52 to 72	TF4033	\$10.95
52 to 77	TF4034	\$10.95
55 to 57 Bay*	TF4022	\$ 8.95
55 to 58	TF4023	\$ 3.95
55 to 62	TF4024	\$ 4.95
55 to 67	TF4035	\$10.95
55 to 72	TF4036	\$10.95
55 to 77	TF4037	\$10.95
58 to 62	TF4025	\$ 4.95
58 to 67	TF4038	\$10.95
58 to 72	TF4039	\$10.95
58 to 77	TF4040	\$10.95
62 to 67	TF4046	\$10.95
62 to 72	TF4041	\$10.95
62 to 77	TF4042	\$10.95
67 to 72	TF4043	\$10.95
67 to 77	TF4044	\$10.95
72 to 77	TF4045	\$10.95

Note: The quantity discount does not apply to Tiffen professional (TP) Filters, Lenshades, Filter Holders Adapter Rings, Filter Accessories or special order filters.

Tiffen Step Down Rings

Series 6 to 5	TF4051	\$ 3.95
Series 7 to 6	TF4052	\$ 3.95
Series 8 to 7	TF4053	\$ 4.95
Series 9 to 8	TF4054	\$10.95
52 to 49	TF4064	\$ 3.95
55 to 49	TF4065	\$ 3.95
58 to 49	TF4066	\$ 3.95
62 to 49	TF4067	\$ 4.95
55 to 52	TF4068	\$ 3.95
57 Bay* to 52	TF4069	\$ 8.95
58 to 52	TF4070	\$ 3.95
62 to 52	TF4071	\$ 4.95
57 Bay* to 55	TF4072	\$ 8.95
58 to 55	TF4073	\$ 3.95
62 to 55	TF4074	\$ 4.95
62 to 58	TF4075	\$ 4.95
67 to 62	TF4080	\$10.95
72 to 67	TF4081	\$10.95
77 to 72	TF4082	\$10.95

Tiffen Series 7 Adapters With Retaining Ring

40.5 F7	TF5126	\$ 5.95
43M7	TF5127	\$ 5.95
43.5M7	TF5128	\$ 5.95
46M7	TF4090	\$ 5.95
48M7	TF5135	\$ 5.95
49M7	TF4101	\$ 5.95
52M7	TF5141	\$ 5.95
55M7	TF4120	\$ 5.95
56M7	TF5148	\$ 5.95
57 Bay-7*	TF5150	\$ 5.95
58M7	TF5151	\$ 5.95

Tiffen Series 8 Adapters With Retaining Ring

40.5 F8	TF5167	\$	6.95
49M8	TF4102	\$	6.95
52M8	TF5169	\$	6.95
55M8	TF4125	\$	6.95
57 Bay 8*	TF5170	\$	6.95
58M8	TF4103	\$	6.95
62M8	TF4092	\$	6.95
67M8	TF4126	\$	6.95
72M8	TF4137	\$	10.95
77M8	TF4138	\$1	10.95

*Hasselblad Series 50 Lenses. Other adapter rings may be available. Please call or write for sizes not listed.

Hi-Impact Stackable Filter Case

Unique new space saving way to carry and store your filters safely. Super-tough ribbed ABS virgin plastic with high density foam insert. Individual slots to hold, support and protect seven Series 9 3"x3" filters.

Bright yellow. TP8060\$39.95

Tiffen Standard Rubber Shade

49mm	TF2006	\$ 3.95
52mm	TF2007	\$ 3.95
55mm	TF2008	\$ 3.95
58mm	TF2009	\$ 4.95
62mm	TF2010	\$ 4.95
67mm	TF2011	\$ 4.95
72mm	TF2012	\$ 5.95
77mm	TF2013	\$ 6.95
Series 7	TF6107	\$ 5.95
Series 8	TF6108	\$ 6.95
Series 9	TF6109	\$22.75

Tiffen Wide Angle Rubber Shade

TF2020	\$	5.95
TF2021	\$	5.95
TF2022	\$	5.95
TF2023	\$	6.95
TF2024	\$	6.95
TF2025	\$	7.95
TF2026	\$	8.95
TF2027	\$	9.95
TF6117	\$	6.95
	TF2021 TF2022 TF2023 TF2024 TF2025 TF2026 TF2027	TF2021 \$ TF2022 \$ TF2023 \$ TF2024 \$ TF2025 \$ TF2026 \$ TF2027 \$

Tiffen Metal Lens Shades

49mm	TF2040	\$ 3.95
52mm	TF2041	\$ 4.95
55mm	TF2042	\$ 4.95
58mm	TF2043	\$ 4.95
62mm	TF2044	\$ 5.95
67mm	TF2045	\$ 6.95
72mm	TF2046	\$ 6.95
77mm	TF2047	\$ 9.95
Series 7	TF2033	\$ 9.95
Series 7 Square	TF2034	\$14.95
Series 8	TF2035	\$15.95
Series 9	TF2037	\$24.50
Series 9 W.A.	TF2038	\$24.50

Tiffen Filter Manual

Comprehensive guide to Tiffen filters. Filled with useful facts and new ideas for both amateurs and professionals. 136 pages with many graphic demonstrations and color pictures.

TF7852 \$9.95

Tiffen Filter Pouches

Soft, top quality vinyl, zippered pouches are flat and compact. Each holds four screw-in or series size filters.

Series 7 (39-52mm) pouch			
TF5590	\$	6.95	5
Series 8 (55-67cm) pouch			
TF5591	\$	7.95	5
Series 9 (72-82mm) pouch			
TF5592	\$1	4 95	

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Tiffen Filters



Calumet sells only Tiffen filters because Tiffen offers the widest selection of professional grade filters available. Tiffen filters are used by major motion picture studios and TV stations. Tiffen filters were even used by NASA for the lunar photographs.

Quantity Discount

Buy 6 Kodak, Tiffen Standard Filters and save 20%. Filters may be assorted to obtain this special discount. Note: The quantity discount does not apply to Tiffen Professional (TP) Filters, Lenshades, Filter Holders, Adapter Rings, Filter Accessories or special order filters.



	*	40.5mm	49mm	52mm	55mm	58mm	62mm	67mm	72mm	77mm	82mm	Series 6	Series 7	Carias C
	_	\$6.95	\$6.95	\$7.95	\$7.95	\$8.95	\$11.95	\$15.95	\$18.95	\$22.95	\$30.95	\$6.95	Series 7	Series 8
Clear	_	TF3008	TF3101	TF3301	TF3501	TF3701	TF3898	TF6724	TF7224	TF7724	TF7804		\$8.95	\$11.95
1A Sky	_	TF3007	TF3103	TF3303	TF3503	TF3703	TF3901	TF3921	TF3941	TF3961	TF7800	TF5950	TF6078	TF4369
UV 15	_	_	_	_	_	_	_	-	-	11 3301	- TI 7800	TF4184	TF4203	TF4303
UV16	W	_	TF3105	TF3305	TF3505	TF3705	_		-			TF5951	TF4204	TF4375
UV 17	_	_	TF3107	TF3307	TF3507	TF3707	_	_			1	TF5952 TF5953	TF4205	TF4377
UV Haze 1	_	TF3003	TF3109	TF3309	TF3509	TF3709	TF3900	TF3920	TF3940	TF3960	TF7802		TF4206	TF4378
UV Haze 2A	_	_	TF3111	TF3311	TF3511	TF3711	-	-	11 3940	11 3900	117002	TF4186	TF4209	TF4309
6 Lt. Yellow	2/3	_	TF3113	TF3313	TF3513	TF3713	_				T - 1	TF4188	TF4211	TF4311
8 Yellow	1	TF3010	TF3115	TF3315	TF3515	TF3715	TF3902	TF3922	TF3942	TF3962	TE7006	TF4192	TF4213	TF4313
9 Deep Yellow	1	_	TF3117	TF3317	TF3517	TF3717	11 3302	11 3322	11 3942	113902	TF7806	TF4190	TF4215	TF4315
11 Yellow-Green	2	TF3014	TF3119	TF3319	TF3519	TF3719	TF3890	TF6726	TF7226	TF7726	TE7000	TF5954	TF4217	TF4317
15 Yellow-Orange	12/3	TF3009	TF3123	TF3323	TF3523	TF3723	TF3892	TF6730	TF7230		TF7808	TF4194	TF4219	TF4319
16 Yellow-Orange	12/3	_	-	-	11 3323	11 3723	11 3092	110730	1 1 1 2 3 0	TF7730	TF7812	TF4196	TF4223	TF4323
21 Orange	21/3	_	_	_	_					_		TF5957	TF4208	TF4380
23A Lt. Red	22/3	_	TF3127	TF3327	TF3527	TF3727						TF5958	TF4225	TF4383
25 Red	3	TF3012	TF3129	TF3329	-		TF3903	TE2022	TE2042		TE7014	TF5959	TF4227	TF4327
29 Deep Red	41/3	TF3012	TF3131	TF3331	TF3529 TF3531	TF3729 TF3731	TF3903	TF3923	TF3943	TF3963	TF7814	TF4198	TF4229	TF4329
47 Blue	21/3		TF3150	TF3350						-		TF5960	TF4231	TF4384
47B Blue	3	, T			TF3550	TF3750						TF5961	TF4233	TF4385
			TF3152	TF3352	TF3552	TF3752						TF5962	TF4235	TF4386
56 Lt. Green	2 2/3		TE2154	TE225.4					_		_	TF5963	TF4237	TF4387
58 Green	3		TF3154	TF3354	TF3554	TF3754				_		TF5964	TF4239	TF4388
61 Deep Green	31/3		TF3156	TF3356	TF3556	TF3756			_			TF5965	TF4241	TF4389
80A 3200 to 5500°K	2	TF3016	TF3158	TF3358	TF3558	TF3758	TF3904	TF3924	TF3944	TF3964	TF7816	TF5966	TF4258	TF4358
80B 3400 to 5500°K	12/3	TF3018	TF3159	TF3359	TF3559	TF3759	TF3905	TF3925	TF3945	TF3965	TF7818	TF5967	TF4243	TF4390
80C 4200 to 5500°K	1	TF3019	TF3160	TF3360	TF3560	TF3760	TF3893	TF6732	TF7232	TF7732	TF7820	TF5968	TF4246	TF4391
81 Warming -100°K	1/3	_	_	_	_	_	_	_	_		_	TF5969	TF4250	TF4393
81A Warming -200°K	1/3	TF3015	TF3164	TF3364	TF3564	TF3764	TF3894	TF6734	TF7234	TF7734	TF7822	TF5970	TF4251	TF4395
81B Warming -300°K	1/3	TF3017	TF3165	TF3365	TF3565	TF3765	TF3895	TF6736	TF7236	TF7736	TF7824	TF5971	TF4252	TF4396
81C Warming -400°K	1/3	_	TF3166	TF3366	TF3566	TF3766		_	-	-	_	TF5972	TF4253	TF4397
81D Warming -500°K	2/3	_		_	_	-	_	_	_		_	TF5973	TF4254	TF4398
82 Cooler +100°K	1/3	7.	_	_	_		_	_	·		_	TF5974	TF4255	TF4399
82A Cooler +200°K	1/3	TF3013	TF3169	TF3369	TF3569	TF3769	TF3896	TF6738	TF7238	TF7738	TF7826	TF5975	TF4256	TF6089
82B Cooler +300°K	2/3	-	TF3170	TF3370	TF3570	TF3770	_	-	-	-	-	TF5976	TF4257	TF6090
82C Cooler +400°K	2/3	_	TF3171	TF3371	TF3571	TF3771	_	-	_	-	- 10	TF5977	TF4259	TF6091
85 5500 to 3400°K	2/3	TF3021	TF3175	TF3375	TF3575	TF3775	TF3897	TF6740	TF7240	TF7740	TF7828	TF5978	TF4268	TF6080
85B 5500 to 3200°K	2/3	TF3020	TF3176	TF3376	TF3576	TF3776	TF3906	TF3926	TF3946	TF3966	TF7830	TF5979	TF4276	TF4376
85C 5500 to 3800°K	1/3	_	TF3177	TF3377	TF3577	TF3777	_	-	_	_	_	TF5980	TF4269	TF6081
ND 0.3 1 Stop	1	_	TF3181	TF3381	TF3581	TF3781	TF3907	TF3927	TF3947	TF3967	TF3993	TF4191	TF4281	TF4381
ND 0.6 2 Stops	2	-	TF3182	TF3382	TF3582	TF3782	TF3908	TF3928	TF3948	TF3968	TF3994	TF4193	TF4282	TF4382
ND 0.9 3 Stops	3		TF3183	TF3383	TF3583	TF3783	TF3913	TF3933	TF3953	TF3972	TF3995	TF4195	TF4218	TF4318
		-	\$17.95	\$21.95	\$21.95	\$25.95	_	-	_	_	-	\$16.95	\$23.95	\$32.95
87 Infrared		_	TF3185	TF3385	TF3585	TF3785	_	_		-	_	TF4200	TF4294	TF4394
		_	\$14.95	\$16.95	\$16.95	\$22.95	\$26.95	\$34.95	\$40.95	\$47.95	\$57.95	\$10.95	\$16.95	\$30.95
FL-B	1		TF3188	TF3388	TF3588	TF3788	TF3911	TF3931	TF3951	TF3970	TF3991	TF4187	TF4210	TF4310
		_	\$14.95	\$16.95	\$16.95	\$22.95	\$26.95	\$34.95	\$40.95	\$47.95	\$57.95	\$10.95	\$16.95	\$30.95
FL-D	1	_	TF3189	TF3389	TF3589	TF3789	TF3912	TF3932	TF3952	TF3971	TF3992	TF4189	TF4212	TF4312
		\$13.95	\$13.95	\$13.95	\$14.95	\$15.95	\$18.95	\$24.95	\$25.95	\$28.95	\$33.95	\$10.95	\$11.95	\$16.95
SR Polarizer		TF3022	TF3192	TF3392	TF3592	TF3792	TF3909	TF3929	TF3949	TF3969	TF3990	TF4185	TF4292	TF4392
OK F GIGITZEI		11 3022	\$15.95	\$16.95	\$16.95	\$19.95	\$21.95	\$27.95	\$32.95	_		_	_	-
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SR Polarizer Thin Mnt.								\$47.95	\$49.95	_			_	
		\$16.95	\$21.95	\$22.95	\$24.95	\$26.95	\$35.95 TF6162	TF6169	TF6173	_		_		_
Close-up Lens Set (124)		TF3000	TF3199	TF3399	TF3599	TF3799	110102	11 0109	11 0113			1		

^{*}Approximate F stop increase for daylight panchromatic film.

Tiffen Filters



40.5mm —	49mm \$10.95	52mm \$10.95	55mm \$11.95	58mm	62mm	67mm	72mm	77mm	82mm	Series 6	Series 7	Series 8
_	\$10.95	\$10.95	411 OF									Octres (
	_	410.55	\$11.95	\$13.95	\$15.95	\$18.95	\$22.95	\$25.95	-	\$8.95	\$11.95	\$16.95
_	TF3206	TF3406	TF3606	TF3806	TF6189	TF6689	TF7189	TF7689	_	TF6020	TF4220	TF4320
_	TF3207	TF3407	TF3607	TF3807	TF6190	TF6690	TF7190	TF7690		TF6022	TF4222	TF4322
_	TF3208	TF3408	TF3608	TF3808	TF6191	TF6691	TF7191	TF7691		TF6024	TF4224	TF4324
-	_	_	_	-	_	_	_	_	_	TF6026	TF4226	TF4326
_	_	_	_	-	_	-	_	_	_	TF6028	TF4228	TF4328
_	\$10.95	\$10.95	\$11.95	\$13.95	\$15.95	\$18.95	\$22.95	\$25.95	-	\$8.95	\$11.95	\$16.95
_	TF3211	TF3411	TF3611	TF3811	TF6192	TF6692	TF7192	TF7692	_	TF6030	TF4230	TF4330
_	TF3212	TF3412	TF3612	TF3812	TF6193	TF6693	TF7193	TF7693	_	TF6032	TF4232	TF4332
	TF3213	TF3413	TF3613	TF3813	TF6194	TF6694	TF7194	TF3973	-	TF6034	TF4234	TF4334
-	_	_	_	_	_	_	- x - 6.7	-	_	TF6036	TF4236	TF4336
_	_	_	_	_	_	_	-	_	_	TF6038	TF4238	TF4338
_	\$9.95	\$9.95	\$9.95	\$10.95	\$11.95	\$14.95	\$21.95	\$28.95	_	_	_	_
_	TF3230	TF3430	TF3630	TF3830	TF3914	TF3934	TF3954	TF7696	-		_	- 1 - 1
-	\$12.95	\$13.95	\$13.95	\$14.95		_	_	-	_	\$8.95	\$11.95	\$16.95
_	TF3217	TF3417	TF3617	TF3817	\$22.95	\$26.95	\$34.95	\$45.95	_	TF6045	TF4245	TF4345
_	TF3218	TF3418	TF3618	TF3818	TF6197	TF6697	TF7197	TF7697		TF6047	TF4247	TF4347
_	_	_	_	4 -	_	-	-	_	_	TF6049	TF4248	TF4348
_	\$15.95	\$16.95	\$18.95	\$20.95	\$24.95	\$28.95	\$37.95	\$48.95		_	_ ***	_
_	TF3219	TF3419	TF3619	TF3819	TF6198	TF6698	TF7198	TF7698	_	_	_	_
10-10-1	\$16.95	\$18.95	\$20.95	\$22.95	\$26.95	\$31.95	\$41.95	\$53.95	_		_	
1-0	TF3220			TF3820					_	_		
_			\$36.95		_	_	_	_	_		_	_
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					\$35.95	\$41 95	\$47.95	\$55.95	_			_
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_	\$34.95			\$39.95	-	_	_	-	_		- 1	_
_	TF3256	TF3456	TF3656	TF3856	_	_	_	-	_	_	_	A STATE OF
-	\$34.95	\$35.95	\$35.95	\$39.95	-	_	_	_	_	_	-	-
	TF3257	TF3457	TF3657	TF3857	// - .	-	_	(y —	_	_	_	<u> </u>
	\$42.95	\$45.95	\$47.95	\$50.95	_	= .	-	_	-	_	-	_
_	TF3258	TF3458	TF3658	TF3858	-	A STATE OF	-	-		_	-	_
_	\$33.95	\$34.95	\$34.95	\$37.95	_	_	-	_	_		-	-
_	TF3265	TF3465	TF3665	TF3865		_	-	_	_	_		_
_	\$18.95	\$18.95	\$18.95	\$18.95	\$23.95	\$26.95	\$32.95	\$34.95	_	_	_	
	TF3235	TF3435	TF3635	TF3835	TF6200	TF6700	TF7200	TF7700	_	_	_	
	TF3236	TF3436	TF3636	TF3836	TF6202	TF6702	TF7202	TF7702	_	_	_	- 160
	TF3237	TF3437	TF3637	TF3837	TF6204	TF6704	TF7204	TF7704	_	_	_	_
	TF3238	TF3438	TF3638	TF3838	TF6206	TF6706	TF7206	TF7706	_	_	_	_
	\$19.95	\$20.95	\$19.95	\$20.95		\$29.95			_	-	_	_
									_	_	_	_
			TF3641				TF7210		_	_	_	_
			TF3642						_	_		
-									_	_	_	
												\$21.95
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				-								TF4340
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	TF3251	TF3451	TF3651	TF3851	TF3899	TF6722	TF7222					
		11.74.71	ILVUUI	11 7071	ו בבטע וו	110122	11 1666	TF3980	_	_	_	1 10 10 10
			-	-	− − − − − + − − − \$10.95 \$11.95 \$13.95 − + + + − + + + − + + − − − − − − − − − − − − − − − − − − + − − − − − − − + + + − + + + + + + + + − +		— —	□	Section	SI0.95 SI0.95 SI1.95 SI3.95 SI5.95 SI8.95 SI2.95 SI5.95 S	TF3208 TF3408 TF3608 TF3608 TF6191 TF6691 TF7191 TF7691 — TF6024	

Quantity Discount

Buy 6 Kodak or Tiffen Standard Filters and save 20%. Filters may be assorted to obtain this special discount.

Note: The quantity discount does not apply to Tiffen Professional (TP) Filters, Lenshades, Filter Holders, Adapter Rings, Filter Accessories or special order filters.

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Tiffen Professional Filters



	86mm	Series 9	4½ in	138mm	3x3	4x4
Neutral Density	Oomin	\$22.25	\$55.95	\$108.95	\$28.95	\$60.95
ND 0.1		TF4414	TP3100	TP4100	TP5100	TP6100
ND 0.2		TF4416	TP3100	TP4100	TP5100	TP6100
ND 0.3 1 Stop		TF4481	TP3102	TP4102	TP5102	TP6102
ND 0.6 2 Stops	_	TF4482	TP3104	TP4104	TP5104	TP6104
ND 0.9 3 Stops	_	TF4418	TP3108	TP4108	TP5108	TP6108
TID GIS S GLOPS		_	\$84.95	\$163.95	\$43.95	_
ND 1.2 4 Stops	_	_	TP3120	TP4120	TP5120	_
•	_	_	\$84.95	\$163.95	\$43.95	_
ND 1.5 5 Stops	<u>, , – </u>	_	TP3122	TP4122	TP5122	_
	_	_	\$112.95	\$218.95	\$58.75	_
ND 3.0 10 Stops	_	-	TP3130	TP4130	TP5130	_
12pt Star (drop-in)	-	\$143.95	\$1 6 9.95	\$249.95	\$149.95	\$167.95
12pt 2mm grid DI	_	TP2450	TP3450	TP4450	TP5450	TP6450
12pt 3mm grid Di	_	TP2452	TP3452	TP4452	TP5452	TP6452
12pt 4mm grid DI	7-	TP2454	TP3454	TP4454	TP5454	TP6454
4pt Star- Rotating Mnt.	\$76.95	\$76.95	\$133.95	\$217.95	-	-
4pt 2mm grid RM	TP1470	TP2470	TP3470	TP4470	_	-
4pt 3mm grid RM	TP1472	TP2472	TP3472	TP4472	-	_
4pt 4mm grid RM	TP1474	TP2474	TP3474	TP4474	-	-
6pt & 8pt Star Rotating	\$139.95	\$139.95	\$194.95	\$288.95	_	-
6pt 2mm grid RM	TP1490	TP2490	TP3490	TP4490	_	-
6pt 3mm grid RM	TP1492	TP2492	TP3492	TP4492	-	-
6pt 4mm grid RM	TP1494	TP2494	TP3494	TP4494	-	_
8pt 2mm grid RM	TP1500	TP2500	TP3500	TP4500	-	-
8pt 3mm grid RM	TP1502	TP2502	TP3502	TP4502	-	-
8pt 4mm grid RM	TP1504	TP2504	TP3504	TP4504	_	-
12pt Star- Rotating Mnt.	\$160.95	\$160.95	\$219.95	324.95	_	-
12pt 2mm grid RM	TP1520	TP2520	TP3520	TP4520	_	-
12pt 3mm grid RM	TP1522	TP2522	TP3522	TP4522	-	_
12pt 4mm grid RM	TP1524	TP2524	TP3524	TP4524	4=	- 1

	86mm	Series 9	41/4 in.	138mm	3x3	4x4
Softnet						
Diffusion	\$46.95	\$37.95	\$68.95	\$133.95	\$46.95	\$74.95
White #3	TP1623	TP2623	TP3623	TP4623	TP5623	TP6623
Black #3	TP1633	TP2633	TP3633	TP4633	TP5633	TP6633
Center Spot (clr center)	_	\$37.95	\$66.95	_	_	-
The second second	-	TP2550	TP3550		-	_
3P Multi-Image RM	-	\$63.95	\$291.95	\$361.95	-	-
	-	TP2570	TP3570	TP4570		_
3R Multi-Image RM	-	\$63.95	\$291.95	\$361.95	-	_
	_	TP2572	TP3572	TP4572	-	_
5R Multi-Image RM	-	\$69.95	\$386.95	\$431.95	_	-
	_	TP2574	TP3574	TP4574	-	_
6R Multi-Image RM	-	\$79.95	\$411.95	\$471.95	-	-
	_	TP2576	TP3576	TP4576	-	-
6D Multi-Image RM	-	\$79.95	\$411.95	\$471.95	-	-
	_	TP2578	TP3578	TP4578	_	_
6L Multi-Image RM	-	\$79.95	\$458.95	\$511.95	-	-
	_	TP2580	TP3580	TP4580	_	_
Vari-Color (double color)	-	\$48.00	\$196.95	\$232.95	-	-
Red-Yellow	_	TF4448	TP3600	TP4600	77-	_
Red-Blue	_	TF4450	TP3602	TP4602	_	_
Yellow-Blue	_	TF4452	TP3604	TP4604	_	_
Red-Green		TF4454	TP3606	TP4606	-	-
Retaining Ring	\$8.95	\$7.95	\$31.95	\$63.95	_	_
	TP6700	TF5195	TP6702	TP6704	_	
Metal Lens Shade	\$23.95	\$24.50	\$50.95	\$107.95	-	_
	TP6720	TF2037	TP6722	TP6724	-	_
Rubber Lens Shade	\$21.95	\$22.75	\$50.95	-	-	-
	TP6740	TF6109	TP6742	_	_	-
W/A Rubber Lens Shade	\$42.95	_	\$50.95	_	_	_
	TP6760	_	TP6762	_	_	
Color Compensating Filters (Specify Value)	_	\$37.95	\$68.95		\$46.95	\$74.9

Tiffen Series 9 Adapters With Retaining Ring

	-99	
58.5mm 9	TF5177	\$17.95
62mm 9	TF5178	\$17.95
67mm 9	TF4104	\$16.95
69mm 9	TF4150	\$16.95
72mm 9	TF4094	\$15.95
77mm 9	TF4105	\$16.95
82mm 9	TF4151	\$16.95
84.5mm 9	TF5179	\$17.95
86C 9	TF5180	\$17.95
86mm 9	TF5181	\$17.95
75mm SS 9	TF5182	\$17.95
77mm SS 9	TF5183	\$17.95

81mm SS 9	TF5184	\$17.95
82mm SS 9	TP7040	\$39.95

4½ in. Adapters With Retaining Ring

0 0		
86mm 4½	TP7000	\$75.95
86 C 4½	TP7002	\$75.95
88 SO 4½	TP7004	\$75.95
95 C 4½	TP7006	\$75.95
96mm 4½	TP7008	\$75.95
99mm SS 41/2	TP7010	\$75.95
100 C 4½	TP7012	\$75.95
101 C 4½	TP7014	\$75.95
102 Bay 4½	TP7016	\$79.95
105mm 4½	TP7018	\$75.95

105 C 4½*	TP7020	\$75.95
108 C 4½	TP7022	\$75.95
108.5mm 4½	TP7024	\$75.95
110mm SS 41/2	TP7026	\$75.95

138mm Series Adapters Without Retaining Ring

120 C 138**	TP7030	\$101.95
122 C 138	TP7032	\$101.95
Retaining Ring 138	TP6704	\$ 63.95
*Fits 300mm Caltar II	**Fits 360mm	Caltar II

Note: The quantity discount does not apply to Tiffen Professional (TP) Filters, Lenshades, Filter Holders, Adapter Rings, Filter Accessories or special order filters.

Tiffen Professional Filters



	00 10 : 01 41/: 1400						
	86mm	Series 9	4½ in.	138mm	3x3	4x4	
Class	\$29.95 TP1000	\$22.25 TF4404	\$55.95	\$108.95	\$28.95 TP5000	\$60.95	
Clear	TP1000	TF4404	TP3000	TP4000	TP5000	TP6000	
1A Sky UV 15	TP1002	TF4405	TP3002	TP4002	TP5002	TP6002	
UV 16	TP1004	TF4406	TP3004	TP4004	TP5004	TP6004	
UV 17	TP1008	TF4407	TP3008	TP4008	TP5008		
IV Haze 1	TP1008	TF4407	TP3008	TP4008	TP5008	TP6008	
UV Haze 2A	TP1010	TF4411	TP3010	TP4010	TP5010	TP6010	
6 Lt. Yellow	TP1014	TF4413	TP3014	TP4012	TP5012	TP6012	
8 Yellow	TP1014	TF4415	TP3016	TP4014	TP5014	TP6014	
9 Deep Yellow	TP1018	TF4417	TP3018	TP4018	TP5018	TP6018	
11 Yellow-Green	TP1020	TF4419	TP3020	TP4020	TP5020	TP6020	
12 Deep Yellow	TP1022	TF4421	TP3022	TP4022	TP5022	TP6022	
13 Yellow-Green	TP1024	TF4408	TP3024	TP4024	TP5024	TP6024	
15 Yellow-	TP1026	TF4423	TP3026	TP4026	TP5026	TP6026	
Orange 16 Yellow-	TP1028	TF4425	TP3028	TP4028		TP6028	
Orange	and the second		V. T. W.				
21 Orange	TP1030	TF4431	TP3030	TP4030	TP5030	TP6030	
23A Lt. Red	TP1032	TF4427	TP3032	TP4032	TP5032	TP6032	
25 Red	TP1034	TF4429	TP3034	TP4034	TP5034	TP6034	
29 Deep Red	TP1036	TF4433	TP3036	TP4036	TP5036	TP6036	
47 Blue	TP1038	TF4435	TP3038	TP4038	TP5038	TP6038	
47B Blue	TP1040	TF4437	TP3040	TP4040	TP5040	TP6040	
56 Lt. Green	TP1042	TF4439	TP3042	TP4042	TP5042	TP6042	
58 Green	TP1044	TF4441	TP3044	TP4044	TP5044	TP6044	
61 Deep Green 80A 3200 to	171046	TF4443	TP3046	TP4046	TP5046	TP6046	
5500°K	TP1048	TF4458	TP3048	TP4048	TP5048	TP6048	
80B 3400 to 5500°K	TP1050	TF4445	TP3050	TP4050	TP5050	TP6050	
80C 3800 to 5500°K	TP1052	TF4447	TP3052	TP4052	TP5052	TP6052	
80D 4200 to 5500°K	TP1054	_	TP3054	TP4054	TP5054	TP6054	
81 Warming -100°K	TP1056	TF4449	TP3056	TP4056	TP5056	TP6056	
81A Warming -200°K	TP1058	TF4451	TP3058	TP4058	TP5058	TP6058	
81B Warming -300°K	TP1060	TF4453	TP3060	TP4060	TP5060	TP6060	
81C Warming -400°K	TP1062	TF4456	TP3062	TP4062	TP5062	TP6062	
81D Warming -500°K	TP1064	TF4465	TP3064	TP4064	TP5064	TP6064	
81EF Warming -650°K	TP1066	-	TP3066	TP4066	TP5066	TP6066	
82 Cooler +100°K	TP1068	TF4466	TP3068	TP4068	TP5068	TP6068	
82A Cooler +200°K	TP1070	TF4467	TP3070	TP4070	TP5070	TP6070	
82B Cooler +300°K	TP1072	TF4468	TP3072	TP4072	TP5072	TP6072	
82C Cooler +400°K	TP1074	TF4469	TP3074	TP4074	TP5074	TP6074	
85 5500 to 3400°K	TP1076	TF4470	TP3076	TP4076	TP5076	TP6076	
85B 5500 to 3200°K	TP1078	TF4476	TP3078	TP4078	TP5078	TP6078	
85C 5500 to 3800°K	TP1080	TF4471	TP3080	TP4080	TP5080	TP6080	

Polarizing (drop-in)		86mm	Series 9	41/4 in.	138mm	3x3	4x4
	Polarizing						
Polarizing			\$38.95	\$68.95			\$74.95
			TF4492	TP3200	TP4200	TP5200	TP6200
			\$54.95		_	_	
Light \$46.95 \$38.50 \$68.95 \$13.39 \$46.95 \$74.95 FL-B TP1230 TP4410 TP3230 TP4230 TP6230		TP1210	TP2210	TP3210	TP4210	_	-
FLB TP1230 TF4410 TP3230 TP4230 TP5230 TP6230 TP6230 TP6230 TP6230 TP6232 TP6230 TP6230 TP6240 TP6240 TP6250 TP6250 — **1 diopter TP1254 TF4461 TP3270 TP4270 TP4270 — — **3 diopter — TP2270 TP3272 TP4270 — — — **4 diopter — TP2274 TP4270 TP4290 TP6290 T		44C 0E	430 F0	ACO 05	4133.05	446.05	674.05
FLD TP1232 TF4412 TP3232 TP4235 TP4250 R83.95 414.95 R83.95 − 41 diopter TP1250 TF4461 TP3250 TP4250 TP5250 − 22 diopter TP1252 TF4463 TP3254 TP4254 TP5250 − Split/Field Lenses − \$70.95 \$129.95 \$193.95 − − 41 diopter − TP2270 TP3270 TP4270 − − 2 diopter − TP2271 TP3272 TP4272 − − 3 diopter − TP2274 TP3274 TP4274 − − 4 diopter − TP2277 TP3272 TP4270 TP4270 − − 2 diopter − TP2270 TP3270 TP4270 TP4270 − − 3 diopter − TP4280 \$83.50 \$68.95 \$133.95 \$46.95 74.95 4 density TP1294 TF4432 TP329							
Close-up Lenses \$37.95 \$29.50 \$83.95 142.95 FP5250 — +2 diopter TP1250 TF4461 TP3252 TP4250 TP5252 — 3 diopter TP1252 TF4462 TP3252 TP4254 TP5254 — Split/Field Lenses — \$70.95 \$129.95 \$193.95 — — 1 diopter — TP2270 TP3270 TP4270 — — 2 diopter — TP2271 TP3274 TP4274 — — 3 diopter — TP2294 TP3294 TP4274 — — 4 density TP1290 TF4430 TP3290 TP4290 TP5294 TP5294 TP6294 *3 density TP1298 TF4431 TP3294 TP4294 TP5294 TP6298 TP6298 *4 density TP1298 TF4438 TP3294 TP4294 TP5294 TP6298 TP6298 *5 density TP1320 TP2320 TP3320 TP429							
+1 diopter TPI250 TF4461 TP3250 TP4250 TP4250 TP4525 TP4525 TP4525 TP5252 — *3 diopter TP1254 TF4463 TP3254 TP4254 TP5254 — *3 diopter — *70.95 *129.95 *193.95 — — *1 diopter — TP2270 TP3270 TP4270 — — *3 diopter — TP2274 TP3274 TP4272 — — *3 diopter — TP2274 TP3290 TP4270 — — *4 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6294 *3 density TP1294 TF4436 TP3294 TP4296 TP5290 TP6296 *3 density TP1298 TF4438 TP3290 TP4290 TP5290 TP6296 *5 density TP1320 TP2320 TP3320 TP4320 TP2390 TP5298 TP6298 *1 density TP1326 TP2320 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>170232</th>							170232
+2 diopter TP1252 TF4462 TP3254 TP4254 TP5254 — Split/Field Lenses — \$70.95 \$129.95 \$193.95 — — ±1 diopter — TP2270 TP3270 TP4270 — — ±2 diopter — TP2271 TP3272 TP4270 — — ±3 diopter — TP2271 TP3272 TP4270 — — ±3 diopter — TP2274 TP3277 TP4270 — — ±1 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6290 *3 density TP1294 TF4432 TP3292 TP4290 TP5290 TP6296 *4 density TP1320 TP2320 TP3320 TP4290 TP5290 TP6296 *3 density TP1320 TP2320 TP3320 TP4320 — — <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
+3 diopter TP1254 TF4463 TP3254 TP4254 TP5254 − Split/Field Lenses − \$70.95 \$129.95 \$193.95 − − +1 diopter − TP2270 TP3270 TP4270 − − +2 diopter − TP2274 TP3274 TP4272 − − +3 diopter − TP2274 TP3274 TP4274 − − #1 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6290 #2 density TP1291 TF4434 TP3294 TP4290 TP5290 TP6290 #3 density TP1296 TF4434 TP3294 TP4290 TP5296 TP6290 #4 density TP1298 TF4438 TP3298 TP4298 TP5298 TP6298 #3 density TP1320 TP2320 TP3320 TP4320							
Split/Field Lenses — \$70.95 \$129.95 \$193.95 — — *1 diopter — TP2270 TP3270 TP4270 — — *2 diopter — TP2274 TP3274 TP4274 — — *3 diopter — TP2274 TP3274 TP4274 — — Diffusion Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 *1 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6290 *3 density TP1296 TF4438 TP3298 TP4296 TP5298 TP6298 *5 density TP1296 TF4438 TP3298 TP4294 TP5298 TP6298 *5 density TP1298 TF4438 TP3298 TP4294 TP5298 TP6298 *5 density TP1320 TP4320 TP3298 TP4298 TP5298 TP6298 *2 density TP1320 TP2322 TP3322 TP4320 TP4320 ——							
Lenses		111234	11 4403	113234	174234	173234	
+1 diopter — TP2270 TP3270 TP4270 — — +2 diopter — TP2272 TP3274 TP4274 — — +3 diopter — TP2274 TP3274 TP4274 — — Diffusion Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 *1 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6290 *3 density TP1294 TF4434 TP3294 TP4294 TP5294 TP6294 *4 density TP1298 TF4438 TP3298 TP4296 TP5296 TP6296 *5 Diffusion Rotating \$78.95 \$70.95 \$111.95 \$188.95 — — *1 density TP1320 TP2320 TP3320 TP4320 TP4320 — — *2 density TP1320 TP2320 TP3320 TP4320 — — *3 density TP1320 TP2320 TP3320 TP4320 —		_	\$70.95	\$129.95	\$193.95	_	_
+2 diopter − TP2272 TP3274 TP4274 − − 3 diopter − TP2274 TP3274 TP4274 − − Diffusion Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 #1 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6290 #2 density TP1294 TF4434 TP3294 TP4294 TP5296 TP6296 #3 density TP1298 TF4438 TP3296 TP4296 TP5296 TP6298 #5 density TP1298 TF4438 TP3298 TP4298 TP5298 TP6298 #1 density TP1298 TF4438 TP3298 TP4298 TP5298 TP6298 #2 density TP1320 TP2320 TP3320 TP4320 − − #3 density TP1322 TP2322 TP3322 TP4320 − − #4 density TP1326 TP2326 TP3326 TP4326 − − </th <th>the state of the s</th> <th>W</th> <th></th> <th></th> <th></th> <th></th> <th>_</th>	the state of the s	W					_
+3 diopter − TP2274 TP3274 TP4274 − − Diffusion Effect 46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 "1 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6290 "2 density TP1294 TF4434 TP3294 TP4296 TP6296 TP6296 "3 density TP1295 TF4436 TP3296 TP4296 TP5298 TP6298 "5 density TP1298 TF4438 TP3298 TP4298 TP5298 TP6298 "1 density TP1298 TF4438 TP3298 TP4298 TP5298 TP6298 "2 density TP1290 TP4338 TP4298 TP5298 TP6298 TP6298 "3 density TP1322 TP2320 TP3320 TP4320 − − "4 density TP1326 TP2326 TP3326 TP4320 − − "5 density TP1326 TP2326 TP3326 TP4328 − <t< th=""><th></th><th>_</th><th></th><th></th><th></th><th>_</th><th>_</th></t<>		_				_	_
Diffusion Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 *1 density TP1290 TF4430 TP3290 TP4290 TP5290 TP6290 TP6290 TP6290 TP6290 TP6290 TP6290 TP6290 TP6290 TP6292 TP6292 TP6292 TP6296 TP6294 ** TP6294 TP6294 TP6294 ** TP6296 TP6436 TP3296 TP4296 TP6296 ** ** TP6296 ** TP6296 ** TP6296 ** TP6296 ** TP6296 ** TP6296 **		_					_
#1 density TP1290 TF4430 TP3290 TP4290 TP6290 TP6290 TP6290 TP6290 TP6292 TP6292 TP6292 TP6292 TP6292 TP6292 TP6294 TP6294 TP6294 TP6294 TP6294 TP6294 TP6294 TP6296 TP6380 TP3		\$46.95				\$46.95	\$74.95
#2 density TP1292 TF4432 TP3292 TP4294 TP6294 TP6296 TP6380 TP6380 TP4380 TP4320 — — — — — — —							
#3 density		TP1292		TP3292	TP4292		
#4 density		TP1294	TF4434	TP3294			
½ Diffusion Rotating \$78.95 \$70.95 \$111.95 \$188.95 — — #1 density TP1320 TP2320 TP3320 TP4320 — — #2 density TP1322 TP2322 TP3322 TP4322 — — #3 density TP1324 TP2324 TP3324 TP4324 — — #4 density TP1326 TP2326 TP3326 TP4326 — — #5 density TP1328 TP2328 TP3328 TP4328 — — #6 density TP1328 TP2328 TP3350 TP4350 TP5350 TP6350 #1 TP1354 TF4428 TP3355 TP4356 TP5356 TP6358 #2	#4 density		TF4436	TP3296	TP4296	TP5296	TP6296
½ Diffusion Rotating \$78.95 \$70.95 \$111.95 \$188.95 — — #1 density TP1320 TP2320 TP3320 TP4320 — — #2 density TP1322 TP2322 TP3322 TP4322 — — #3 density TP1324 TP2324 TP3324 TP4324 — — #4 density TP1326 TP2326 TP3328 TP4326 — — #5 density TP1328 TP2328 TP3328 TP4326 — — #6 density TP1328 TP2328 TP3328 TP4326 — — #5 density TP1328 TP2328 TP3328 TP4326 — — #6 density TP1328 TP2328 TP3328 TP4328 — — #6 density TP1328 TP2328 TP3350 TP4328 TP5350 TP6350 #1 TP1352 TF4422 TP3352 TP4350 TP5350 TP6356 #1	#5 density	TP1298	TF4438	TP3298	TP4298	TP5298	TP6298
#2 density TP1322 TP2322 TP3322 TP4324 — — #3 density TP1324 TP2324 TP3324 TP4324 — — #4 density TP1326 TP2326 TP3326 TP4326 — — #5 density TP1328 TP2328 TP3328 TP4328 — — Fog Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 #1 TP1350 TF4420 TP3350 TP4350 TP5350 TP6350 #2 TP1352 TF4424 TP3354 TP4354 TP5354 TP6354 #3 TP1354 TF4426 TP3356 TP4356 TP5354 TP6354 #4 TP1356 TF4426 TP3358 TP4358 TP5358 TP6358 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 *5 TP1388 TP2380 TP3380 TP4380 TP5380 TP5380 TP6380 <t< th=""><th>½ Diffusion</th><th>\$78.95</th><th>\$70.95</th><th>\$111.95</th><th>\$188.95</th><th>-</th><th>-</th></t<>	½ Diffusion	\$78.95	\$70.95	\$111.95	\$188.95	-	-
#2 density TP1322 TP2322 TP3322 TP4324 — — #3 density TP1324 TP2324 TP3324 TP4324 — — #4 density TP1326 TP2326 TP3326 TP4326 — — #5 density TP1328 TP2328 TP3328 TP4328 — — Fog Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 #1 TP1350 TF4420 TP3350 TP4350 TP5350 TP6350 #2 TP1352 TF4424 TP3354 TP4354 TP5354 TP6354 #3 TP1354 TF4426 TP3356 TP4356 TP5354 TP6354 #4 TP1356 TF4426 TP3358 TP4358 TP5358 TP6358 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 *5 TP1388 TP2380 TP3380 TP4380 TP5380 TP5380 TP6380 <t< th=""><th></th><th>TP1320</th><th>TP2320</th><th>TP3320</th><th>TP4320</th><th>_</th><th>_</th></t<>		TP1320	TP2320	TP3320	TP4320	_	_
#3 density TP1324 TP2324 TP3324 TP4324 — — #4 density TP1326 TP2326 TP3326 TP4326 — — #5 density TP1328 TP2328 TP3328 TP4328 — — Fog Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 #1 TP1350 TF4420 TP3350 TP4350 TP5350 TP6350 #2 TP1354 TF4424 TP3354 TP4354 TP5354 TP6354 #4 TP1356 TF4426 TP3356 TP4356 TP5356 TP6356 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 #6 *53.95 \$45.95 \$78.95 \$153.95 \$55.95 \$85.95 #1 TP1380 TP2380 TP3380 TP4380 TP5380 TP5380 TP6380				TP3322		_	
#4 density TP1326 TP2326 TP3326 TP4326 — — #5 density TP1328 TP2328 TP3328 TP4328 — — Fog Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 #1 TP1350 TF4420 TP3350 TP4350 TP5350 TP6350 #2 TP1354 TF4424 TP3354 TP4354 TP5354 TP6354 #4 TP1356 TF4426 TP3356 TP4356 TP5356 TP6356 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 Double Fog Effect \$53.95 \$45.95 \$78.95 \$153.95 \$55.95 \$85.95 #1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 #2 TP1381 TP2381 TP2382 TP3382 TP4380 TP5380 TP6380 #3 TP1388 TP2384 TP3384 TP4384 TP5384 TP5386 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th>_</th> <th></th>						_	
#5 density TP1328 TP2328 TP3328 TP4328 — — Fog Effect \$46.95 \$38.50 \$68.95 \$133.95 \$46.95 \$74.95 #1 TP1350 TF4420 TP3350 TP4350 TP5350 TP6350 #2 TP1352 TF4422 TP3352 TP4354 TP5352 TP6352 #3 TP1354 TF4424 TP3356 TP4356 TP5354 TP6354 #4 TP1356 TF4426 TP3358 TP4358 TP5358 TP6356 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 Double Fog Effect \$53.95 \$45.95 \$78.95 \$153.95 \$55.95 \$85.95 #1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 #2 TP1384 TP2384 TP3384 TP4384 TP5382 TP6382 #3 TP1388 TP2384 TP3386 TP4386 TP5380 TP5380 TP6384		TP1326	TP2326	TP3326	TP4326	_	or a second
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**2 TP1352 TF4422 TP3352 TP4352 TP5352 TP6352 **3 TP1354 TF4424 TP3354 TP4354 TP5354 TP6354 **4 TP1356 TF4426 TP3356 TP4356 TP5356 TP6356 **5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 Double Fog Effect *53.95 *45.95 *78.95 *153.95 *55.95 *85.95 **1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 **2 TP1384 TP2384 TP3384 TP4384 TP5384 TP6384 **4 TP1386 TP2386 TP3386 TP4386 TP5386 TP6386 **5 TP1388 TP2388 TP3388 TP4386 TP5386 TP6382 **4 TP1388 TP2388 TP3388 TP4388 TP5388 TP5388 TP6388 **4pt Star (drop-in) - *35.55 *83.95 *142.95 *62.95	Fog Effect	\$46.95	\$38.50	\$68.95	\$133.95	\$46.95	\$74.95
#3 TP1354 TF4424 TP3354 TP4354 TP5354 TP6354 #4 TP1356 TF4426 TP3356 TP4356 TP5356 TP6356 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 Double Fog Effect \$53.95 \$45.95 \$78.95 \$153.95 \$55.95 \$85.95 #1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 #2 TP1384 TP2384 TP3384 TP4384 TP5384 TP6384 #3 TP1386 TP2386 TP3386 TP4386 TP5386 TP6386 #5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) - \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt - TF4459 TP3400 TP4400 TP5400 TP6402 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6402	#1	TP1350	TF4420	TP3350	TP4350	TP5350	TP6350
#4 TP1356 TF4426 TP3356 TP4356 TP5356 TP6356 #5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 Double Fog Effect \$53.95 \$45.95 \$78.95 \$153.95 \$55.95 \$85.95 #1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 #2 TP1382 TP2382 TP3382 TP4384 TP5384 TP5384 TP6384 #3 TP1384 TP2384 TP3384 TP4386 TP5386 TP6386 #5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) - \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt - TF4457 TP3400 TP4400 TP5400 TP6402 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt - TF2459 \$144.95 \$213.95 \$127.	#2	TP1352	TF4422	TP3352	TP4352	TP5352	TP6352
#5 TP1358 TF4428 TP3358 TP4358 TP5358 TP6358 Double Fog Effect \$53.95 \$45.95 \$78.95 \$153.95 \$55.95 \$85.95 #1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 #2 TP1382 TP2382 TP3382 TP4382 TP5382 TP6382 #3 TP1384 TP2384 TP3384 TP4384 TP5384 TP6384 #4 TP1386 TP2386 TP3386 TP4386 TP5386 TP6388 #5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) - \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt - TF4457 TP3400 TP4400 TP5400 TP6402 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt - TF2459 \$144.95 \$213.95 \$127.95 \$142	#3	TP1354	TF4424	TP3354	TP4354	TP5354	TP6354
Double Fog Effect \$53.95 \$45.95 \$78.95 \$153.95 \$55.95 \$85.95 #1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 #2 TP1382 TP2382 TP3382 TP4384 TP4384 TP5382 TP6382 #3 TP1384 TP2384 TP3384 TP4386 TP5386 TP6386 #5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) — \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt — TF4457 TP3400 TP4400 TP5400 TP6402 3mm grid 4 pt — TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt — TF4459 TP3402 TP4404 TP5404 TP6404 6pt 8 By Star (Drop-in) — \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2 mm grid — TP2420 TP3420 TP4	#4	TP1356	TF4426	TP3356	TP4356	TP5356	TP6356
#1 TP1380 TP2380 TP3380 TP4380 TP5380 TP6380 #2 TP1382 TP2382 TP3382 TP4382 TP5382 TP6382 #3 TP1384 TP2384 TP3384 TP4384 TP5384 TP6384 #4 TP1386 TP2386 TP3386 TP4386 TP5386 TP6386 #5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) 2mm grid 4 pt - TF4457 TP3400 TP4400 TP5400 TP6400 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt - TP3459 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2mm grid - TP2420 TP3420 TP4420 TP5420 TP6420 6pt 3mm grid - TP2421 TP3420 TP4424 TP5424 TP6424 8pt 2mm grid - TP2430 TP3430 TP4430 TP5430 TP6430 8pt 3mm grid - TP2430 TP3430 TP4430 TP5430 TP6430 8pt 3mm grid - TP2430 TP3432 TP4432 TP5432 TP6432 8pt 3mm grid - TP2430 TP3432 TP4432 TP5432 TP6432	#5	TP1358	TF4428	TP3358	TP4358	TP5358	TP6358
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#3 TP1384 TP2384 TP3384 TP4384 TP4384 TP5384 TP6384 #4 TP1386 TP2386 TP3386 TP4386 TP5386 TP6386 #5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) - \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt - TF4457 TP3400 TP4400 TP5400 TP6402 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt - - TP3404 TP4404 TP5402 TP6402 4pt 2 8pt Star (Drop-in) - \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2 mm grid - TP2420 TP3420 TP4420 TP5420 TP6420 6pt 3 mm grid - TP2421 TP3422 TP4422 TP5422 TP6424 6pt 4 mm grid - TP2424 TP3424 TP4424	#1	TP1380	TP2380	TP3380	TP4380	TP5380	TP6380
#4 TP1386 TP2386 TP3386 TP4386 TP5386 TP6386 #5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) - \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt - TF4457 TP3400 TP4400 TP5400 TP6402 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt - - TP3404 TP4404 TP5404 TP6404 6pt 8 Bpt Star (Drop-in) - \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2mm grid - TP2420 TP3420 TP4420 TP5420 TP6420 6pt 3mm grid - TP2422 TP3422 TP4422 TP5422 TP6424 6pt 4mm grid - TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid - TP2430 TP3430 TP4430 TP5432 <th>#2</th> <th>TP1382</th> <th>TP2382</th> <th>TP3382</th> <th>TP4382</th> <th>TP5382</th> <th>TP6382</th>	#2	TP1382	TP2382	TP3382	TP4382	TP5382	TP6382
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#5 TP1388 TP2388 TP3388 TP4388 TP5388 TP6388 4pt Star (drop-in) - \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt - TF4457 TP3400 TP4400 TP5400 TP6400 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6404 4mm grid 4 pt - - TP3404 TP4404 TP5404 TP6404 6pt & 8pt Star (Drop-in) - \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2mm grid - TP2420 TP3420 TP4420 TP5420 TP6420 6pt 3mm grid - TP2422 TP3422 TP4422 TP5422 TP6424 6pt 4mm grid - TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid - TP2430 TP3430 TP4430 TP5430 TP6432 8pt 3mm grid - TP2432 TP3432 TP4432 TP543	#4	TP1386	TP2386	TP3386	TP4386	TP5386	TP6386
(drop-in) - \$35.55 \$83.95 \$142.95 \$62.95 \$82.95 2mm grid 4 pt - TF4457 TP3400 TP4400 TP5400 TP6400 3mm grid 4 pt - TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt - - TP3404 TP4404 TP5404 TP6404 6pt 8 8pt Star (Drop-in) - \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2mm grid - TP2420 TP3420 TP4420 TP5420 TP6420 6pt 3mm grid - TP2422 TP3422 TP4422 TP5422 TP6422 6pt 4mm grid - TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid - TP2430 TP3430 TP4430 TP5430 TP6432 8pt 3mm grid - TP2432 TP3432 TP4432 TP5432 TP6432	#5	TP1388					
3mm grid 4 pt — TF4459 TP3402 TP4402 TP5402 TP6402 4mm grid 4 pt — — TP3404 TP4404 TP5404 TP6404 6pt & 8pt Star (Drop-in) — \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2mm grid — TP2420 TP3420 TP420 TP5420 TP6420 6pt 3mm grid — TP2422 TP3422 TP4422 TP5422 TP6424 6pt 4mm grid — TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid — TP2430 TP3430 TP4430 TP5430 TP6432 8pt 3mm grid — TP2432 TP3432 TP4432 TP5432 TP6432		-	\$35.55	\$83.95	\$142.95	\$62.95	\$82.95
4mm grid 4 pt — — TP3404 TP4404 TP5404 TP6404 6pt & 8pt Star (Drop-in) — \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2mm grid — TP2420 TP3420 TP4420 TP5420 TP6420 6pt 3mm grid — TP2422 TP3422 TP4422 TP5422 TP6422 6pt 4mm grid — TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid — TP2430 TP3430 TP4430 TP5432 TP6432 8pt 3mm grid — TP2432 TP3432 TP4432 TP5432 TP6432	2mm grid 4 pt	_	TF4457	TP3400	TP4400	TP5400	TP6400
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6pt & 8pt Star (Drop-in) - \$122.95 \$144.95 \$213.95 \$127.95 \$142.95 6pt 2mm grid - TP2420 TP3420 TP4420 TP5420 TP6420 6pt 3mm grid - TP2422 TP3422 TP4422 TP5422 TP6422 6pt 4mm grid - TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid - TP2430 TP3430 TP4430 TP5430 TP6432 8pt 3mm grid - TP2432 TP3432 TP4432 TP5432 TP6432	4mm grid 4 pt	_	_	TP3404	TP4404	TP5404	TP6404
6pt 3mm grid — TP2422 TP3422 TP4422 TP5422 TP6422 6pt 4mm grid — TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid — TP2430 TP3430 TP4430 TP5430 TP6430 8pt 3mm grid — TP2432 TP3432 TP4432 TP5432 TP6432	6pt & 8pt Star	-	\$122.95	\$144.95	\$213.95	\$127.95	\$142.95
6pt 3mm grid — TP2422 TP3422 TP4422 TP5422 TP6422 6pt 4mm grid — TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid — TP2430 TP3430 TP4430 TP5430 TP6430 8pt 3mm grid — TP2432 TP3432 TP4432 TP5432 TP6432		_	TP2420	TP3420	TP4420	TP5420	TP6420
6pt 4mm grid — TP2424 TP3424 TP4424 TP5424 TP6424 8pt 2mm grid — TP2430 TP3430 TP4430 TP5430 TP6430 8pt 3mm grid — TP2432 TP3432 TP4432 TP5432 TP6432	6pt 3mm grid	_		_		TP5422	
8pt 3mm grid — TP2432 TP3432 TP4432 TP5432 TP6432	6pt 4mm grid	- I	TP2424	TP3424	TP4424		
	8pt 2mm grid	_	TP2430	TP3430	TP4430	TP5430	TP6430
8pt 4mm grid - TP2434 TP3434 TP4434 TP5434 TP6434	8pt 3mm grid	_	TP2432	TP3432	TP4432		
	8pt 4mm grid	<u> </u>	TP2434	TP3434	TP4434	TP5434	TP6434

Note: The quantity discount does not apply to Tiffen professional (TP) Filters, Lenshades, Filter Holders Adapter Rings, Filter Accessories or special order filters.

Tiffen Filter Manual

Comprehensive guide to Tiffen filters. Filled with useful facts and new ideas for both amateurs and professionals. 136 pages with many graphic demonstrations and color pictures.

TF7852 \$9.95

Photar Filter Glass Catalog

Technical manual describing the characteristics of Tiffen Photar filter glass. The Deca Mired System and spectral transmittance curves of all Photar color filters.

TF7854 \$3.50

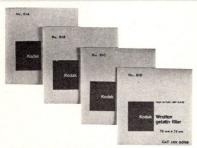
Kodak Wratten Filters



QUANTITY DISCOUNT

Buy 6 Kodak or Tiffen Standard Filters and save 20%. Filters may be assorted to obtain this special discount.

Note: The quantity discount does not apply to Tiffen Professional (TP) filters, lenshades, filter holders, adapter rings, filter accessories or special order filters.



	75 mm	100 mm
D	(3") \$7.50	(4")
Description		\$11.75 KE1004
0 Colorless	KF1003	KF1004
1A Pale Pink (Skylight)	KF1007	KF1008
2A Pale Yellow UV 405 nm.	KF1111	KF1112
2B Pale Yellow UV 390 nm.	KF1115	KF1116
2C Pale Yellow UV 395 nm.	KF1119	KF1120
2E Pale Yellow UV 415 nm.	KF1123	KF1124
3 Light Yellow	KF1151	KF1152
4 Yellow	KF1159	KF1160
6 Light Yellow	KF1163	KF1164
8 Yellow	KF1167	KF1168
9 Deep Yellow	KF1175	KF1176
11 Yellowish Green	KF1179	KF1180
12 Deep Yellow	KF1183	KF1184
13 Dark Yellowish Green	KF1187	KF1188
15 Deep Yellow	KF1191	KF1192
16 Yellow-Orange	KF1195	KF1196
21 Orange	KF1202	KF1203
22 Deep Orange	KF1206	KF1207
23A Light Red	KF1210	KF1211
24 Red	KF1214	KF1215
25 Red	KF1218	KF1219
26 Red	KF1222	KF1223
29 Deep Red	KF1226	KF1227
30 Light Magenta	KF1251	KF1252
32 Magenta	KF1259	KF1260
33 Magenta	KF1262	KF1264
34 Deep Violet	KF1267	KF1268
34A Violet	KF1271	KF1272
35 Purple	KF1275	KF1276
36 Dark Violet	KF1279	KF1280
38 Light Blue	KF1283	KF1284
38A Blue	KF1287	KF1288
40 Light Green	KF1291	KF1292
44 Light Blue-Green	KF1295	KF1296
44A Light Blue-Green	KF1299	KF1300
45 Blue-Green	KF1303	KF1304

	75 mm	100 mm
Description	(3") \$7.50	(4") \$11.75
47 Blue	KF1315	KF1316
47A Light Blue	KF1317	KF1318
47B Deep Blue	KF1321	KF1322
49 Dark Blue	KF1333	KF1334
53 Green	KF1355	KF1356
54 Deep Green	KF1359	KF1360
56 Light Green	KF1367	KF1368
57 Green	KF1371	KF1372
58 Green	KF1379	KF1380
59 Light Green	KF1383	KF1384
61 Deep Green	KF1394	KF1395
64 Light Blue-Green	KF1398	KF1399
65A Blue-Green	KF1406	KF1407
66 Very Light Green	KF1410	KF1411
80A 3200 to 5500°k	KF1459	KF1460
80B 3400 to 5500°k	KF1463	KF1464
80C 3800 to 5500°k	KF1467	KF1468
80D 4200 to 5500°k	KF1471	KF1472
81 Warming—100°k	KF1474	KF1475
81A Warming—200°k	KF1480	KF1481
81B Warming—300°k	KF1483	KF1484 KF1488
81C Warming—400°k	KF1487 KF1491	KF1400
81D Warming—500°k 81EF Warming—650°k		KF1496
82 Cooler +100°k	KF1499	KF1500
82A Cooler +200°k	KF1503	KF1504
82B Cooler +300°k	KF1507	KF1508
82C Cooler +400°k	KF1511	KF1512
85 5500 to 3400°k	KF1515	KF1516
85B 5500 to 3200°k	KF1531	KF1532
85C 5500 to 3200°k	KF1543	KF1544
87 Infrared	KF1563	KF1564
90 Monochrome	KF1587	KF1588
Viewing		
CC025Y	KF3001	KF3002
CC05Y	KF3005	KF3006
CC10Y	KF3009	KF3010
CC20Y	KF3013	KF3014
CC30Y	KF3017 KF3021	KF3018 KF3022
CC40Y	KF3021	
CC50Y CC025M	KF3025	KF3052
CC025M	KF3055	KF3056
CC10M	KF3059	KF3060
CC20M	KF3063	KF3064
CC30M	KF3067	KF3068
CC40M	KF3071	KF3072
CC50M	KF3075	KF3078
CC025C	KF3101	KF3102
CC05C	KF3105	KF3106
CC10C	KF3109	KF3110
CC20C	KF3113	
CC30C	KF3117	
CC40C	KF3121	KF3122
CC50C	KF3125	KF3126

	75 mm (3")	100 mm (4")
Description	\$7.50	\$11.75
CC025R	KF3201	KF3202
CC05R	KF3205	KF3206
CC10R	KF3209	KF3210
CC20R	KF3213	KF3214
CC30R	KF3217	KF3218
CC40R	KF3221	KF3222
CC50R	KF3225	KF3226
CC025G	KF3251	KF3252
CC05G	KF3255	KF3256
CC10G	KF3259	KF3260
CC20G	KF3263	KF3264
CC30G	KF3267	KF3268
CC40G	KF3271	KF3272
CC50G	KF3275	KF3276
CC025B	KF3301	KF3302
CC05B	KF3305	KF3306
CC10B	KF3309	KF3310
CC20B	KF3313	KF3314
CC30B	KF3317	KF3318
CC40B	KF3321	KF3322
CC50B	KF3325	KF3326
Description	75 mm (3") \$13.10	100 mm (4") \$23.60
96 ND 0.10	KF1701	KF1702
96 ND 0.20	KF1705	KF1706
96 ND 0.30 1 Step	KF1709	KF1710
96 ND 0.40	KF1713	KF1714
96 ND 0.50	KF1717	KF1718
96 ND 0.60 2 Step	KF1721	KF1722
96 ND 0.70	KF1725	KF1726
96 ND 0.80	KF1729	KF1730
96 ND 0.90 3 Step	KF1734	KF1735
96 ND 1.00	KF1739	KF1740
96 ND 2.00	KF1743	KF1744
96 ND 3.00 10 Step	KF1747	KF1748
96 ND 4.00	KF1751	KF1752

Kodak Filters for Scientific and Technical Uses

Using Filters

This book shows how to use filters for both black-and-white and color photography, and for both practical and creative results. It gives a background on the theory of how filters work and explains how to use filters to obtain normal colors and tones under unusual lighting conditions. Two long chapters filled with outstanding photographs by top photographers inspire the reader to try creative filtration. These two chapters cover not only colored filters but special-effects filters, such as star filters, diffraction filters, soft-focus filters, and more. KB2002 \$8.95

Tiffen Izumar Filter System

New from Tiffen

The versatility and benefits of a universal filter system are now available from Tiffen, one of the most respected professional filter manufacturers in the world. Tiffen has used its vast experience and advanced production technology to produce a universal filter system of professional quality. The Izumar Combifree filters provide the optical qualities of gelatin filters with the durability and scratch resistance of standard screw-in filters. The filter holder is so thoroughly designed that it provides a versatile and simple method of gaining the maximum use from these new filters. The Izumar Combifree filter holder and the filters themselves are compatible with Cokin and other previously available filter systems.

Quantity Discount: Buy 6 Kodak, Tiffen Standard, or Tiffen Izumar Filters and save 20%. Filters may be assorted to obtain this special discount.

Note: The quantity discount does not apply to Tiffen Professional (TP) filters, lens shades, filter holders, adapter rings, filter accessories or special order filters.

Filter Holder (Metal)

lzumar m	ne	ta	al	f	il	t	e	r	h	C	olo	de	eı	r						
TF8000																				\$ 5.95

Adapter Rings

49mm	TF8005									\$ 3.95
52mm	TF8007									\$ 3.95
55mm	TF8008									\$ 3.95
58mm	TF8009									\$ 3.95
62mm	TF8010									\$ 3.95



Auxiliary Accessories

W	ide Angie Rubber Lens Snade		
T	F8050	\$	6.95
S	nap-on Lens Cap TF8055	\$	2.50



Filters for Black and White Film

HONE SENSON HONE HONE NOT HONE HONE NOT HONE TO THE PROPERTY HONE HONE HONE HONE HONE HONE HONE HONE	
Clear (UV) TF8060 \$	5.95
Yellow (K-2) TF8062 \$	5.95
Orange (G-15) TF8064 \$	5.95
Red (25A) TF8066 \$	5.95
Light Green (X0) TF8068 \$	5.95
Green (X1) TF8070	5.95



Filters for Color Film

Skylight (1a) TF8072		
Blue (80A) TF8074	\$	5.95
Blue (80B) TF8076	\$	5.95
Vellowish (81A) TF8078	4	5 05

Yellowish (81B) TF8080 \$	5.95
Bluish (82A) TF8088	5.95
Coral (85A) TF8090 \$	5.95
Coral (85B) TF8092	5.95
Gray 50 (ND 2X) TF8096 \$	5.95
Gray 25 (ND 4X) TF8098 \$	5.95
FL-D TF8100 \$	6.95



Polarizing Filters

Square Polarizer	TF8104		\$10.95
Round Polarizer (Glass) TI	F8106 .	\$13.95



Soft-Image Filters

Soft-Image White	TF8110		 	\$ 7.95
Soft-Image Gray	TF8112 .		 	\$ 7.95
Soft-Image Sepia	TF8114.		 	\$ 7.95



Color Center Spot Filters

Yellow Center Spot TF8118	\$ 8.95
Orange Center Spot TF8120	\$ 8.95
Red Center Spot TF8122	\$ 8.95
Green Center Spot TF8124	\$ 8.95
Blue Center Spot TF8126	\$ 8.95
Coral Center Spot TF8128	\$ 8.95
Mauve Center Spot TF8130	
Sepia Center Spot TF8132	
Gray Center Spot TF8134	\$ 8.95



Spot Filter (Glass)

Spot (Glass) TF8136	١.											Ş	1	2.	9	b
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Star Filters (Glass)

Star 4 (Cross Screen)	TF8140	\$12.95
Star 6 (Snow Cross)	TF8142	\$14.95
Star 8 (Sunny Cross)	TF8146	\$16.95



Diffusion Filter (Glass)

Diffuser (Glass)	TF8148	\$11 95



Duto Filter (Soft Focus) Glass

		A TOWN
Duto (Soft Focus)	TE8150	612 OF



Close-up Lenses (Glass)

Close-up +1	TF8160 \$13.95
Close-up +2	TF8162 \$13.95
Close-up +3	TF8164 \$13.95

Split-Field Lens (Glass)

Split-Field Lens +2 TF8166 \$17.95



Graduates

Red Graduate TF8168		
Yellow Graduate TF8172 Emerald Graduate TF8174 Tobacco Graduate TF8176 Mauve Graduate TF8178 Blue Graduate TF8180	. \$	9.95
Emerald Graduate TF8174 Tobacco Graduate TF8176 Mauve Graduate TF8178 Blue Graduate TF8180	. \$	9.95
Tobacco Graduate TF8176 Mauve Graduate TF8178 Blue Graduate TF8180	. \$	9.95
Mauve Graduate TF8178	. \$	9.95
Blue Graduate TF8180	. \$	9.95
	. \$	9.95
Cray Craduate TE0102	. \$	9.95
diay diaduate 1F0102	. \$	9.95



Diffraction Filters

Rainbow Star	TF8184	 \$15.95
Rainbow Wheel	TF8186	 \$15.95
Rainbow Streak	TF8190	 \$15.95

Variable Color Filter Gels

Type I (Single Color Red	d, Blue, Yellow, and
Orange) TF8194	\$34.95
Type II (Double Color R	ed-Blue, Red-Yellow,
and Yellowgreen-Blue)	TF8196 \$36.95



Special Effect Mask Set

Mask Set (special effect) TF8200..\$14.95



Double Image Mask Set

Mask Set (Dbl. image) TF8202 ... \$ 9.95

For Fast Delivery, Call Free of Charge



orders with American Express, VISA or MasterCard from anywhere in the Continental United States 1-800-323-2849

(In Illinois, call: 1-312-860-7447)

To place

Camera Bags And Accessories



Tenba Pro-Paks

If you compare Tenba to the other brands, you will discover, as we have, that Tenba bags are without question the finest available. Tenba bags feature: highest quality, tightest weave DuPont Cordura.® Double wall shell construction padded with Dow closed cell Ethafoam.® U.S. military grade hardware, welded D rings. Highest quality velcro. Padded wood lined bottom.

Rust TE1010\$169.95



P995 16x91/2x6" with 21/2" high zippered pocket on top, 2 front and 2 side pockets closed by velcro and a flat zippered back pocket. Wt. 3 lbs., 141/8 ozs.

TE1014	\$169.95
	P795 16x7x6" with 21/2"
	high zippered pocket on
38	top, 2 front and 2 side
	TE1014

95 16x7x6" with 21/2" h zippered pocket on 2 front and 2 side pockets closed by velcro, and a flat zippered back pocket. Wt. 3 lbs., 10 ozs.



Rust TE1030 \$136.95 Black TE1034......\$136.95 P750 16x7x6" with 21/2" high zippered pocket on

top and 2 front pockets.



Top holds 40 rolls of 35mm film boxed. Wt. 2 lbs., 151/2 ozs. Rust TE1040 \$119.95



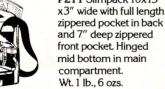
P595 12x7x6" with 21/2" high zippered pocket on top, 2 front and 2 side pockets closed by velcro and a flat zippered back pocket. Wt. 3 lbs., 21/2 ozs.

Rust TE1060 \$119.95 TE1064 \$119.95 Black

Black TE1044.....\$119.95



P500 12x7x6" with 21/2" high zippered top and 2 front pockets. The top holds 30 rolls of 35mm film boxed. Wt. 2 lbs., 9 ozs. Rust TE1070 . \$104.95 Blk TE1074 . . \$104.95 P211 Slimpack 10x13



compartment. Wt. 1 lb., 6 ozs.\$ 39.95 Black TE1094..... \$ 39.95

Tenba Accessories

Shoulder Pad Wedge shaped, padded. Snaps over straps up to 3" wide. Black TE4040 \$

Lightweight with padded shoulder straps. Fully adjustable, converts Pro-Pack into rucksack.

TE4030 .	\$	9.95
Waist Belt	TE4050 \$	5.95

Kiwi Bags

Carry your equipment in a versatile Kiwi Bag made of lightweight DuPont Nylon Cordura which resists water, stains, abrasion, rot and mildew. Exclusive removable center compartment adjusts to accommodate many shapes and sizes. 200 gauge padded dividers absorb shock and move as you do. Additional features include adjustable shoulder strap and heavy plated hardware to resist corrosion, pitting and rust.



CB-400 Features two accessory side pockets, removable shoulder strap and oversize nylon zippers to protect against the elements. 19"x9"x8"

Rust KA2210		\$45.95
Smoke KA221	13	\$45.95
Black KA2212	2	\$45.95



CB-450 Features two front accessory pockets and oversize nylon zippers to insure corrosionfree, jam-proof operation. 14"x9"x8"

Rust I	(A2220 .									\$37.95
Smoke	KA2223	3								\$37.95
Black	KA2222									\$37.95



CB-500 Features front pocket and nylon zippers for all-weather protection. 11"x2"x9"

	Rust KA2230 \$29.95	
11.00	Smoke	
and the same of	KA2233 \$29.95	
KA2232 .	\$29.95	

Shoulder Pad

Foam lined pad 11" long provides non-slip surface for camera straps up to 2" wide. Velcro strip for securing pad to strap. Black CT4530

Hervic Comfortstrap



Real leather strap with wide neckband will not slip or bind. Features Lockguard which prevents strap from coming loose from camera body.

Black	HV2110.									\$ 9.95
Brown	HV2112									\$ 9.95
Rust	HV2114									\$ 9.95

Double Comfort Strap

Same high quality construction as the regular comfort strap, but for two cameras-one above the other.

DIACK 1142110 413.3	Black	HV2116		\$15.95
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X-Ray Bags

Model XR 19" x 8" x 8" features large interior with dual tri-pocket adjustable velcro dividers, thick polyfoam lining to protect contents from damage and two end pockets lined with lead foil to protect film from airport X-rays.

Rust CT4510 \$ 59.95

Model X20 13" x 9" x 8" lead foil lined exterior protects entire bag's contents from X-rays. Features large interior with adjustable velcro divider, shock resistant lining and interior pockets for lenses. The perfect bag for the traveler.

Blue CT4520 \$ 39.95

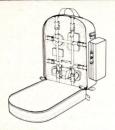


Mountain Adventures Saf-T-Strap

Camera harness/strap manufactured from washable 4000# test 1" tubular nylon webbing as used by mountain climbers, and has a soft feel which will not leave the photographer's neck sore at the end of the day. The quick release buckle and Saf-T-Hook are made from black delrin, and will not scratch the camera nor reflect light into the eyes of wildlife or people. The unique snap hook

makes it impossible for the camera to become disengaged from the strap/harness. The SAF-T-STRAP can be converted from a neck strap to a very stable harness in a few seconds by simply slipping one's arms between the double neck straps. The camera then slides up and down on the straps, and will not bounce or shift around. It's the ideal strap/harness for hikers, skiers, climbers, bikers or anyone who is active.

Professional Quality Camera Packs and Cases C



Lowe PRO Quantum II

Combination Pack for 35mm through 4x5 Field Cameras

Features five-inch thick foam blocked main compartment and two-inch thick foam blocked back compartment. Plus two interior Velcroed pockets and five flat zippered outside pockets.

Padded backpack harness has chest strap and two-inch waistbelt. This stows out of the way under a zippered Cordura® cover.

Specifications. Size: 16" wide, 9" thick, 22" high. Volume: 3,100 cubic inches. Weight: 6.4 lbs. Color: Blue.

Quantum II Back Pack/Case



Lowe PRO Magnum 35

for 35mm and 21/4" cameras

Features one-hand operable zippers and buckles. Three exterior accessory pockets are padded for protection. Unique infinitely rearrangeable Velcro® divider system holds two cameras with lenses and over eight lenses with room for flash, filters, and other accessories

Optional waistbelt and shoulder harness

Specifications. Size: 8" wide, 17" long, 9" high. Weight: 3 lbs., 8 oz. Construction: Cordura® Nylon, high density foam padding and dividers, rigid ABS bottom.

Magnum 35 Case: Color -Blue

LP1000\$154.95

Low PRO Pro 35 For 35mm Cameras

This bag, 20% smaller than the Magnum 35, has six internal dividers. The outside pockets are not padded. Most of the other features are the same as the Magnum 35 bag

Specifications. Size: 7" wide, 15" long, 9" high. Weight 3 lbs. Color: Blue.



Calumet Lens Wrap

No more cumbersome lens bags or drawn string to fight with, just fold the lens wrap around your lens-quick and neat. Padding keeps lens protected; Velcro-type fasteners keep it wrapped. Lens wrap also wraps light meters, flash and other sensitive equipment. Blue.

11" x 11"	DK2030							\$	9.95
19" x 19"	DK2035							\$1	4.95

Domke Camera Bags



Domke Bags are a result of everything learned from hardworking experience with camera bags in the field

That's why every Domke Bag is made of canvas duck-a natural, cotton fiber noted for its exceptional durability. It's also lighter than leather, tough enough to defy extremes of heat and cold, and more substantial than nylon to keep its shape. What's more, this canvas is soft and flexible to allow bags to conform to the photographer's body while

The canvas also swells when wet to seal seams and minimizes condensation by

All stitching is done with sturdy sail thread, made to military standards, and reinforced at all stress points. A heavy strap is sewn entirely around the bag to support the weight.

The outside pockets have velcro-type fasteners to make them quick and easy to open or close. The main compartment is secured with simple spring clips that can be opened or closed with one hand.

For Fast Delivery, Call Free of Charge





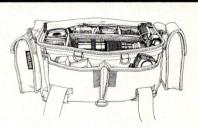
F-2 Original Domke Bag

Features twelve compartments that can hold two or three cameras and eight to ten lenses (including ultra wides and telephotos). Patented insert design is padded with high density foam to stay open. Each compartment is sewn shut at the bottom to prevent small items from sliding from one compartment to another. Exterior dimensions 7" x 15" x 9." Weight 2 lbs. 9½ oz. Main interior compartment 61/2" x 12" x 9." Brown. DK1000

Domke Filter File

A slim, compact way to organize all your gels, large filters and plastic special effect filters. Accommodates all sizes including 72mm glass filters and 3" gels. Features 13 pockets and slots plus a special compartment for flash filters and lens cleaning tissue. Dimensions 5" x 12" folded, 15" x 12" open.

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



F-1 Domke Bag

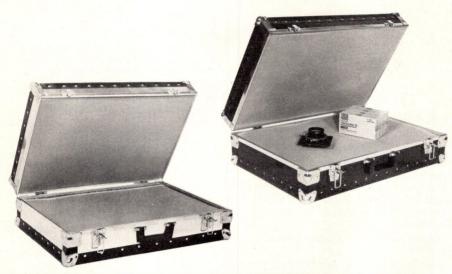
Constructed just like the original Domke bag but with enough space for two of the patented four compartment inserts. The bag comes with one four compartment insert, but you can add optional two, three or four compartment inserts. Handle loops entirely around the bag, removable shoulder strap and extra stiff bottom. Optional slide on pouches available. Exterior dimensions 7" x 16" x 9"; inside dimensions 61/2" x 16" x 9". Weight 3 lbs. 31/2 oz. Brown.

DK2000 \$109.95



The ideal size for a tripod, light stands or umbrellas. Inside are two compartments for dividing umbrellas from stands. Outside straps go all the way around the bag to support the load. Dimensions 38" x 4" x 8." Weight 1 lb. 14 oz. Brown.

DK3000 \$ 49.95



Finish	Length	Width	Height	Weight	Cat. No.	Price
Silver	24	12	7	81/2	MC1000	\$49.95
Black	24	12	7	81/2	MC1010	\$49.95
Silver	24	16	7	13	MC2000	\$59.95
Black	24	16	7	13	MC2010	\$59.95

Generic Camera Cases

Heavy duty nearly indestructible camera cases that provide excellent protection of your expensive camera equipment in travel and storage. Full plywood construction with metal reinforced corners will resist the knocks and bumps of every day use while protecting your equipment so it will be ready when you are. Special tongue and groove channeling forms a dust and dirt resistant seal. The two spring loaded latches have an eyelet for attaching a lock for extra security when shipping equipment.

All cases come with multi-layered inserts of high quality foam that can be cut and shaped to meet your exact requirements. Foam will not crumble with use and will give years of dependable protection.

Cases are available in two attractive finishes, black imported Swedish Viking fiber with nickel coated metal hardware or nickel coated metal with black Viking fiber edges. Either finish provides a durable modern finish that will compliment your equipment.

Equipment Cases



FIBERBILT CASES



Fiberbilt Adapt-A-Case, Plastic P-60 & P-61

Both models are molded of impactresistant textured ABS plastic and feature smart outer styling and tongue and groove aluminum closure. P-60 features removable padded partitions; P-61 diced foam interior.

Fiberbilt Extra Padded Partitions

All sizes available. Write or call Calumet for sizes and prices.

Fiberbilt Diced Foam Sheets

	With Pa	artitions			Diced Foam	
Size	Model	Cat. No.	Price	Model	Cat. No.	Price
18x13x6	P-60XL	FB2190	\$ 62.95	PX-61XL	FB2193	\$ 59.95
16x11x5	P-60L	FB2191	\$ 56.95	P-61L	FB2194	\$ 49.95
12x8x5	P-60S	FB2192	\$ 37.95	P-61S	FB2195	\$ 34.95



Fiberbilt Adapt-A-Case, Plastic P-70M & P-71M

Girder-rib engineering makes these ABS plastic cases both rugged and lightweight.

Rubber gasket in the aluminum tongue and groove closure ensures maximum dust and moisture protection. For extra protection, P-70 is lined with thick cushioning foam; P-71 features diced foam interior.

	With Pa	artitions			Diced Foam	
Size	Model	Cat. No.	Price	Model	Cat. No.	Price
18x14x6	P-70M	FB2210	\$110.95	P-71M	FB2230	\$110.95
22x16x6	P-70R	FB2218	\$129.95	P-71R	FB2238	\$120.95

Equipment Cases

C

FIBERBILT ADAPT-A-CASE, P-30, P-31

P-30 features a system of moveable, interlocking partitions and a fully padded interior. P-31 has diced foam interior.

	With Pa	artitions		Diced Foam					
Size	Model	Cat. No.	Price	Model	Cat. No.	Price			
12x12x5	P-30H	FB2153	\$ 57.95	P-31H	FB2168	\$ 54.95			
18x14x5	P-30E	FB2150	\$ 75.95	P-31E	FB2165	\$ 65.95			
22x16x5	P-30B	FB2147	\$ 91.95	P-31B	FB2162	\$ 80.95			
16x10x10	P-30G	FB2152	\$ 73.95	_	_	-			
10x20x13	P-30C	FB2148	\$ 93.95	_	_	<u> </u>			
18x14x8	P-30D	FB2149	\$ 81.95	P-31D	FB2164	\$ 76.95			
22x16x8	P-30J	FB2155	\$ 96.95	P-31J	FB2170	\$ 94.95			
22x16x10	P-30A	FB2146	\$ 99.95	P-31A	FB2161	\$ 97.95			



FIBERBILT ADAPT-A-CASE, ALUMINUM P-20, P-21

Sleek case suitable for carrying and shipping. P-20 features one-piece continuous hinge and moveable, interlocking parti-

tions with fully padded interior. P-21 has diced foam interior.

	With Pa	artitions		Diced Foam						
Size	Model	Cat. No.	Price	Model	Cat. No.	Price				
12x12x5	P-20H	FB2113	\$ 89.95	P-21H	FB2128	\$ 85.95				
18x14x5	P-20E	FB2010	\$115.95	P-21E	FB2125	\$104.95				
22x16x5	P-20B	FB2107	\$134.95	P-21B	FB2122	\$125.95				
16x10x10	P-20G	FB2112	\$120.95		-					
20x10x13	P-20C	FB2108	\$141.95	_	_	_				
18x14x8	P-20D	FB2109	\$133.95	P-21D	FB2124	\$125.95				
22x16x8	P-20J	FB2015	\$155.95	P-21J	FB2130	\$152.95				
22x16x10	P-20A	FB2106	\$162.95	P-21A	FB2121	\$166.95				
22x16x18	P-20K	FB2116	\$199.95		<u> </u>					



ZERO HALLIBURTON CARRYING CASES

Model	Finish	Dimensions	Cat. No.	Price
100	Silver	12x9x5	ZH2205	\$ 93.95
200	Black	12x9x5	ZH2206	\$ 93.95
101	Silver	16x9x7¾	ZH2210	\$ 98.95
102	Silver	18x13x4½	ZH2215	\$107.95
202	Black	18x13x4½	ZH2216	\$107.95
103	Silver	18x13x6	ZH2220	\$108.95
203	Black	18x13x6	ZH2221	\$108.95
105	Silver	21x13x6½	ZH2225	\$129.95
205	Black	21x13x6½	ZH2226	\$129.95
106	Silver	21x17x7½	ZH2230	\$150.95
206	Black	21x17x7½	ZH2231	\$150.95
110	Silver	26x18x9	ZH2235	\$184.95
210	Black	26x18x9	ZH2236	\$184.95
111	Silver	24x18x7	ZH2240	\$172.95
211	Black	24x18x7	ZH2241	\$172.95
303	Silver w/TRI Sock	18x13x6	ZH2222	\$117.95



Protect your valuable camera equipment in lightweight, tough Zero Halliburton Carrying Cases. Prestressed aluminum shell with interlocking tongue and groove closure resists moisture and dust. Special replaceable deep foam inserts let you customize the interior to match equipment and safeguard it against damaging shocks. Cases also feature a tumbler-type, 3-digit combination lock that you set yourself and a spring-loaded, snap latch that keeps the case securely closed.

Prices and specifications subject to change without notice.



Speedotron, one of the most widely used commercial flash systems, is now available from Calumet. The Speedotron black line was developed for the professional commercial/industrial photographer whose needs require raw power, ratio lighting control, long life, fast recycle and easy servicing. The Speedotron brown line offers versatility and dependability at remarkably affordable prices. Speedotron flash equipment also carries an industry leading two year guarantee.

Please call or write Calumet for the complete Speedotron price list and specific information on Speedotron black line or Speedotron brown line flash systems.

SPEEDOTRON BLACK LINE

Calumet/Speedotron 2401 Flash/Umbrella Package

Calumet/Speedotron 1201 Flash/Umbrella Package

Same as 2401, but with Speedotron 1201 Power Supply SB1010 Total Package Price \$1869.95

Calumet/Speedotron 810 Flash/Umbrella Package

Same as 2401, but with Speedotron 810 Power Supply SB1000 Total Package Price \$1569.95

Speedotron Black Line Flash Equipment.

rabii Equipinone.	
2401A Power Supply	
SB1020\$11	99.95
1201A Power Supply	
SB1010\$ 9	14.95
810 Power Supply	10.05
\$B1000\$ 6	19.95
102 Light Unit SB1102	E0.0E
	59.95
103 Light Unit SB1103	21 05
7" Universal Reflector	31.33
	18.95
20" Universal Reflector	10.55
	29.95
Flash Tube Cover	
SB1460\$	16.95
3200 WS 102 Flash Tube (Rep)	
SB1605 \$ 1	07.95
2400 WS 103 Flash Tube (Rep)	
SB1610\$	99.95
25 Ft. Light Head Excable	
SB1730\$	44.95
New NW8QVC UV coated 5500°K Flash	tube
for 102 head	
SB1607\$1	34.95





SPEEDOTRON BROWN LINE

DM402-3 Light Flash System

Includes a D402 power supply (4 outlets, 400Ws, 1.8 second recycle time), two M90 $8 \frac{1}{2}$ light units complete, one MW3R $5 \frac{1}{2}$ light unit complete, two $7 \frac{1}{2}$ light stands, one $3 \frac{1}{2}$ light stand, one CA3 equipment case, one 3 snoot for MW3R, power cable and sync cord.

DM802 Flash System

DM1202 Flash System

Includes 2 D1202 power supply (4 outlets, 1200Ws, 4.2 second recycle time), one M11 light unit with standard 11½" reflector, one M11Q light unit complete with 7" and 16" reflectors, two MW3R 5½" light units complete, three 7½' light stands, one 9' heavy duty folding light stand, one 3" snoot for MW3R, one set of barn doors for M11, power cable and sync cord.

duty folding light stand, one 3" snoot for MW3R, one set of barn doors for M11, power
cable and sync cord.
SB3015
DM1602 Flash System
SB3020
DM402 Umbrella System
SB3025 \$ 419.95
DM802 Umbrella System
SB3030
DM1202 Umbrella System
SB3035 \$ 729.95
DM1602 Umbrella System
SB3040 \$ 789.95

Speedotron Brown Line

Opecaotion Brown Zine		
D1602 Power Supply SB3216	\$529.9	5
D1202 Power Supply SB3212		
D802 Power Supply		
SB3208	\$374.9	5
SB3204	\$259.9	5
D200 Power Supply SB3202	\$144.9	5
M11Q Head (2400 WS) SB3130		
M11 Head (1000 WS Max.)		
SB3125		15
SB3120	\$157.9	5
M90 Head (400 WS Max., Umb. Head SB3115		95
MW3UQ Head (1200 WS Max., Umb. SB3110	Head)	
MW3U Head (400 WS Max., Umb. Head SB3105		95
MW3R Head (BG or Hairlite Head) SB3100	\$ 84.9	95
20 Ft. Lite Head Ext. Cord SB3550	\$ 28.9	95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Photogenic Lighting





Studiomaster II

Photogenic's top series of pushbutton-control speedlights. All Studiomaster II units feature: proportional modeling light intensities; convenient modeling light switches mounted on each lighting unit; lighted pushbutton power controls; plug-in booster converts 200W/S power supply to 400 W/S; and include air cushion caster base stands.

16" Modeling Light (AE81).	
PG1014\$	854.95
4½" Boommaster Spotlight (AE84). PG1018 \$\text{PG}\$\$	915.95
8" Varibeam Spotlight (AE86). PG1022	901.95
Background Light (AE88).	757 05



Flashmaster Portable Studio System

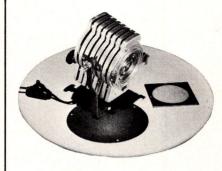
Extremely rugged and dependable portable flash units excellent for location shooting. Features include: quick change reflectors; misfire alarm, slave operation; voltage stabilizer; heavy-duty operation without overheating; includes case and stands.

2 Light Outfit w/Two 11" Light PG1704	
3 Light Outfit w/Two 11" Light (AA74). PG1708	
4 Light Outfit w/Two 11" Light (AA77). PG1712	
4 Light Outfit w/Two 16" Ligh (AA78) PG1714	



The system consists of a single, self-contained 19'' long unit with power supply, stand, 28'' white umbrella, and lighting unit. Features include: 250 watt/second power supply; variable power output of full, $\frac{1}{2}$, and $\frac{1}{4}$ in a 4-to-1 ratio mode; porportional modeling lights; and 150 watt quartz modeling lamp. Porta-Master 250 **PG2300** \$ **399.95**

Porta-Master Portrait Pack—Includes: Porta-Master outfit w/umbrella, 12" lighting unit, 15' extension cable, aluminum folding stand, and carrying case.
PG2301 \$ 589.95



Photogenic Minispot

Photogenic 7800 Mini-Spot

This is the "standard of the industry" for a small, powerful, all-purpose spotlight.

Supplied w/o lamp. PG2100 ...\$ 84.95

Mini-Spot Accessories

Milli-Spot Accessories	
Diffuser (7801) PG2104	\$ 2.95
Snoots, set of 2 (7802) PG2106	\$14.95
Barndoors (7804) PG2108	\$13.95
BEC 150 WT 2800° Lamp	
SY1035	\$11.95
BĘJ 200 WT 2800° Lamp	
SY1040	\$10.95
FEV 200 WT 3200° Quartz Lamp	
SY6032	\$23.50

Versatron 800 Booster Optional



Versatron-800 Power Supply Features: 100% solid state; 4 position charge rate

selector; modeling lamp dimmer (1/3 intensity); arc proof power selector —full, ½, ¼, and booster; heavy-duty arc proof output connectors; and long life heavy-duty density capacitors.

Versatron-800 Power Supply (AG20A)
PG5015\$855.95
Versatron Booster (AG21)
PG5020\$296.95

Versatron 800-B Power Supply



Versatron 6 in. Universal Lighting Unit

Features: worm gear flashtube focusing, quick change reflector, umbrella attachment, and 250 W quartz modeling lamp.

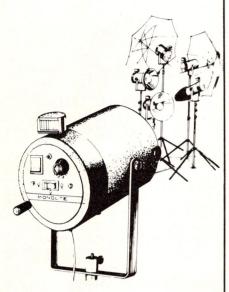
PG5115\$247.95

Universal Lighting Unit Accessories

10 in. reflector **PG5120** **\$ 33.95**

Silfoil Reflectors

Available in two sizes, features a portable head which rotates to many angles and reversible mylar reflector with silver for maximum contrast or white for softer results.



Monolite 200B w/power cord & synch cord (less modeling lamp) BW3710 . . . \$289.95

Monolite 400 B w/power cord & synch cord (less modeling lamp) BW3715 . . . \$409.95

Monolite 800 B w/power cord & synch cord (less modeling lamp) BW3720 . . . \$549.95

Monolite Location Kits



Powerful portable flash systems that fit in a car trunk and set up in minutes for on-location shooting. Kits include carrying case, photocell, 32" white umbrella, 32" silver umbrella, 2-8' lightstands and 2 appropriate modeling lamps.

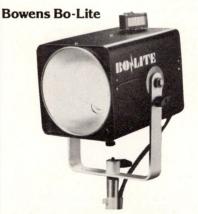
Basic Monolite Location Kit (w/2-200B's)
BW3810 \$ 799.95
$\begin{array}{lll} BasicMonoliteLocationKit(w/1\cdot200B,1\cdot400B)\\ \textbf{BW3813} & \dots & & \textbf{919.95} \end{array}$
Basic Monolite Location Kit (w/2-400B's) BW3815

The following kits are supplied with carrying case, photocell, 2 Bowflectas (1 white, 1 silver/gold), 2 8' stands, 2 modeling lamps.

B	sic Monolite Location Kit (w/1-400B, 1-800B
B	/3817
В	sic Monolite Location Kit (w/2-800B's)
	3910 \$1279 9

Monolite Accessories

Monocell Photocell Unit BW4010. \$ 32.95
Monoflood Reflector BW4110 \$ 29.95
Barndoor Assembly f/Monoflood
BW4150 \$ 38.95
Mono-Key Reflector BW4115 \$ 29.95
Barndoor Assembly f/Mono-Key/Maxi-Lite BW4155
Monosoft Reflector BW4120 \$ 75.95
Barndoor Assembly f/Monosoft
BW4160 \$ 54.95
Mono-Snoot BW4210 \$ 38.95
Carrying Case f/200B, 400B BW4005
Modeling Lamp f/200B
BW5210 \$ 1.95
Modeling Lamp f/400B
BW5215 \$ 1.95
Replacement Flashtube Assembly f/200B, 400B, 800B BW5255 \$ 71.95
Replacement Synch Cord
BW5320 \$ 11.95
Spill-Kill (Monowide) Reflector
(for use/w umbrellas) BW4130 \$ 20.95
Modeling Lamp for Monolite 800B
BW5220 \$ 1.95
Monolite Extender Kit (for 200B or 400B)
BW5414\$171.95
3 Piece Boom Assy. for use with Extender Kit BW5416
Squarelite, Complete with barndoors
BW5418\$132.95
Even-Lite Reflector, 60° Spread
BW5422 \$ 58.95



A compact lightweight monolight with quick 3 second recycle. Completely self contained with a guide number of 110 (ASA100), full and half power with proportional modeling lamp.

Basic Bo-Lite Outfit. Consists of 2 Bo-Lites,
1 monocell, 2-6' stands, 1-32" white umbrella,
1-32" silver umbrella, two 100 watt modeling
lamps, and carry case.
BW3800
Bo-Lite with synch cord and power cable less
modeling lamp
BW3700



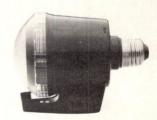
The Calumet Umbrella

This fine quality 44" diameter umbrella features two layer cloth construction. Inner fabric of super reflective white surface provides "softness" with maximum reflectance and no color shift. Outer black fabric provides protection from light loss through the umbrella. Thin 5/16" diameter shaft for universal application. Closed length only 31."

AU3007 \$24.95

Buy 2 or more Calumet AU3007 Umbrellas and Save 10%.

Prices and specifications subject to change without notice.



New AC Master Slave

The AC Master Slave has all the features of its predecessor, the AC Flash with built-in hot shoe, plus a battery-powered triggering device and PC outlet that allow it to be fired by standard PC connection. This new unit also features an open flash button, built-in slave trigger and a ¼ x 20 tripod socket. The AC Master Slave is suppled with 4 ft. sync/PC cord.

Team up the AC Master with any number of AC slaves for a low cost studio and location lighting system. One master and three slaves make a great lighting set-up for your MP-4 and other copy systems. Ideal for inexpensive accent lights or "kickers."

Specifications for the AC Master Slave:

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Novatron Flash Systems

Novatron Power Packs



Model 120

Smallest and most economical. Power: 120 W/S. Recycle: 3 sec. Dimensions: 51/2 x 53/4 x 63/4. Weight: 5 lbs. NV1010 \$139.95

Model 220 Plus

Features Hi/Lo switch to select 240 or 120 W/S.

Power: 240 W/S. Recycle: 1.5 sec. Hi, .5 sec Lo. Dimensions: 51/4 x 73/8 x 63/8. Weight: 9 lbs. NV1021 \$214.95

Model 440 Plus

Features three-way power switch (480, 240, and 210 W/S).

Power: 480 W/S. Recycle: 2.5 sec. Hi, 1.25 Mid, .5 Lo.

Dimensions: 61/4 x 61/8 x 81/2. Weight: 13.25 lbs.

Features three-way power switch (960, 480, and 240 W/S). Requires use of two or more Standard heads.

Power: 960 W/S. Recycle: 2.75 sec. Hi, 1.65 Mid, .5 Lo.

Dimensions: 7½ x 6¾ x 10. Weight 21 lbs. NV1082 \$469.95

Novatron Accessories

4 Way Barn Doo	r for 6½ dia. heads		
(revolving) NV4	4011	\$	46.95
Novatron Snoot	NV4000	\$	17.95
Novatron Slave	NV4030	\$	17.95
Flash Head Exte	nsion Cord 15'	s	26.95



Novatron Flash Heads

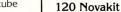
Standard Flash Head w/15' cord, flash tube and modeling light (up to 440 W/S). NV2000 \$ 91.95 880 W/S Flash Head w/15' cord, flash tube and modeling light. NV2800 \$104.95 Standard Flash Head w/15' cord, flash tube, modeling light and 1 stop reduction switch. Note: Should not be used alone on low power (up to 440 W/S). NV2010 \$104.95 Bare Tube Head w/15' cord, flash tube, and modeling light (up to 440 W/S).

16" Square Soft Light Reflector Non-Specular with diffusion, 90° angle of light, GN190 @ 440 W/S (ASA100). Bare tube head included. NV2060 \$136.95

Professional Slave/Flash

New lightweight flash has 5 settings from full to 1/16 power with proportional modeling light. Incorporates 4 flash tubes for a high output guide No. of 126 with ASA 100 film. Fast recycling from 0.3 to 4 seconds. Features open flash button, ready light, and separate modeling light and AC switches. Includes AC power cord and PC coil cord. AA1210 \$149.95

For fast delivery, Call free of charge, Monday through Friday 9 am to 5 pm Central Time 1-800-323-2849 (In Illinois, call 312-860-7447)



Includes: (1) 120 power pack, (1) Standard head, (1) 1 stop reducing head, (2) 10 ft. stands, (2) 34 in. white umbrellas, (1) case and (1) sync cord. NV6102.....\$549.95

220 Plus Novakit

Includes: (1) 220 Plus power pack, (1) Standard head, (1) 1 stop reducing head, (1) 2 stop reducing head, (2) 10 ft. stands, (1) 4 ft. stand, (2) 46 in. white umbrellas, (1) case and (1) sync cord. NV6103\$739.95

440 Plus Novakit

Includes: (1) 440 Plus power pack, (1) Standard head, (1) 1 stop reducing head, (1) 2 stop reducing head, (2) 10 ft. stands, (1) 4 ft. stand, (2) 46 in. white umbrellas, (1) case and (1) sync cord. NV6104\$859.95

Bowens Infrared Trigger System

The Bowens Infared Trigger System is designed to untangle you from the sync cord you've always needed to tie your camera to your flash system. The system consists of a transmitter, connected to your camera via an accessory shoe or by means of a flash bracket and a receiver which plugs into your flash

The transmitter is powered by a 9 volt transistor battery (not included) and is mounted on a universal ball head. The receiver which also is powered by a 9 volt battery (not included) incorporates a battery-saving circuit which switches it off whenever the flash unit is turned off. The receiver is not triggered by most electronic flash units. Receiver equipped with built-in phone jack connection.

BW5325 \$159.95 Adapter for household type sync connections BW5326 \$ 18.95



Professional slave Flash with optional umbrella.





Metz 60 CT-1. The Powerhouse

Now you can get both the power and the features you need in the dependable Metz 60 CT-1. No wonder it's called "the f/11 strobe" by professional photographers who understand from experience what a reliable ASA100 guide number of 197 means in so many shooting situations.

- Automatic Thyristor Control to 99 ft.
- Illuminated Control Center conveniently located for easy visibility under shooting conditions.
- Built-in wide angle diffuser.
- Choice of power sources including Dryfit and NiCad batteries.
- Remote sensor offers a choice of 11 auto f stops and features manual thyristor Power Ratio Control to 1/64 power.
- Complete bounce capability—360° horizontal, 90° vertical.
- Motor drive setting for up to 5 flashes

Metz 60 CT-1 with Dryfit Battery, battery housing, charger, power cord, strap, PC cord and quick release bracket. MZ1040 \$389.95 Metz 60 CT-1 w/NiCad Battery, complete.

MZ1045 \$412.95

Metz 60 CT-2

The 60 CT-2 adds to the impressive list of 60 CT-1 features the ability to accept dedicated adapters for most popular SLR cameras.

Specifications for both 60 CT-1 and 60 CT-2:

- G.N. at ASA 100 = 197
- 5 auto aperture settings from f2-f11
- Auto Distance range 1.0 ft. to 99 ft.
- Coverage 65° H. 46° V
- Recycle time w/Dryfit .2-5 Sec.
- Recycle time w/NiCad .2-4 Sec.
- Flashes per charge/Dryfit 160-4500
- Flashes per charge/NiCad 50-2000

Metz 60 CT-2 with Dryfit battery, battery housing, charger, power cord, strap, PC cord and quick release bracket.

MZ1050 \$422.95

Metz 60	C	7	[-	2	1	N	/1	N	[i	C	a	d	b	a	t	te	21	7	7,	complete.
																				\$443.95

Rechargeable Dryfit Battery. Sealed gel type electrolyte offering important advantages over older, lead-acid types since it can be used in any position. Provides up to 4500 flashes at full charge (12 hours): achieves 80% of full charge in 6 hrs. Has low spontaneous discharge rate which means there's less need for recharging between jobs. MZ1145 \$ 57.95

Rechargeable NiCad Battery. Fast charging (4 hrs.). Provides up to 200 flashes on a full charge. Also for Metz 402 flash. MZ1150 \$ 82.95

Battery Housing. Features a selectable regulation circuit. Can recharge Dryfit, NiCad or conventional lead-acid batteries independent of the 60 CT power pack. Used with Battery Charger. (Not included.) MZ1140 \$ 46.95

Remote Sensor for 60 CT Series

Adjustable measuring angle from 25° to 12°. Features a unique sighting mechanism for the 12° viewing angle. 11 automatic f stops and manual power ratio control to 1/64 power. MZ1215 \$ 97.95

45 CT-5. 2 Heads are better than 1

The 45 CT-5 features two flash heads which give you the ability to (1) add modeling in portraits by using bounce lighting and (2) provide fill lighting to soften harsh shadows and capture catchlights. The switchable secondary head remains in fixed alignment with the auto sensor regardless of where the main head is pointed. Switching the secondary head on diverts approximately 15% of the 45 CT-5's power to it while the sensor automatically corrects exposure. And that's just the beginning:

• Guide No. 148 (ASA 100). Automatic thyristor circuitry to 74 ft. with a choice of 6 auto settings.

 LED display automatically shows film speed, aperture selected and maximum working distance.

 Accepts dedicated flash adapter cables (SCA System) for Canon, Minolta, Nikon, Olympus and Leica cameras.

Choice of power sources including NiCad battery cluster, AA size alkaline batteries, or AC adapter.

.3 to 13 sec. recycle with 6 AA batteries 120 to 2600 flashes.

.3 to 7 sec. recycle with NiCad cluster 50 to 200 flashes per charge.

Metz 45 CT-5 with NiCad battery cluster, charger, W/A adapter, PC cord,

and quick release bracket. MZ1035 \$374.95 SCA dedicated flash adapter cables for

60 CT-2 and 45 CT-5. Canon MZ3000 \$ 20.95

Olympus MZ3010 \$ 20.95

Minolta MZ3015\$	20.95
Nikon MZ3020	20.95
Remote Sensor for 45 CT-5.	
MZ1210 \$	97.95

Metz 45 CT-1

The 45 CT-1 features full 90° vertical and 360° horizontal bounce control and automatic computer verification system. Other 45 CT-1 features include an easy-to-read calculator dial and a slip-on wide angle attachment which converts flash coverage to that of a 28mm lens.

• Guide No. 148 (ASA 100) Automatic thyristor circuitry to 53 ft. with a choice of 5 auto settings.

 Remote sensor offers a choice of 9 auto f stops and features manual thyristor Power Ratio Control to 1/64 power.

Choice of power sources including NiCad battery cluster, AA size alkaline batteries, or AC adapter.

.3 to 13 sec. recycle with 6 AA batteries 120 to 2600 flashes

.3 to 7 sec. recycle with NiCad Cluster 40 to 2000 flashes per charge.

Metz 45 CT-1 with NiCad battery cluster, charger, W/A adapter, PC cord, and quick release bracket. MZ1025 \$232.95

Remote sensor for 45 CT-1 MZ1205 \$ 97.95 NiCad battery cluster for 45 series flashes

Accessories for all 45 CT and 60 CT flash units Mecalux II Auto Slave

Triggers an auxiliary flash from the main unit without connections. It can be used with a hot shoe connector or a PC cord. MZ1220 \$ 44.95

Medium Format Camera Bracket

Provides the additional security of a wider base when used with medium format cameras

Bracket Adapter

Attaches to the guick release bracket which is supplied with your 45 or 60 series flash unit. It enables you to mount your camera at the same height as the flash reflector, and thereby reduces parallax error in closeup photography. MZ3040 \$ 14.95

Reflector Screen

The reflector screen provides soft, even portrait illumination when used with either the 45 or 60 series models.

MZ1340..... \$ 43.95

Recharging Unit

Operates from a 12-volt automobile cigarette lighter receptacle. Recharges the 60 series Dryfit and NiCad batteries in the shoulder pack, or the 45 series NiCad battery cluster. MZ1155 \$ 28.95

SUNPAK ELECTRONIC FLASH



SUNPAK AUTO 611

Automatic thyristor electronic flash with power ratio control to 1/128 (8 f/stop range). Automatic from 19" to 40'. Continuously variable auto aperture control (4 f/stop range). Remote auto sensor, auto verification. SU4160 \$174.95

Accessories for 611	
CL-1 Nicad Battery cluster	
SU4560	\$31.95
QBC-1 Charger for CL-1	
SU4520	\$18.95
	410.55
AD-26 Multi-Voltage AC Adapter	415.05
SU4585	\$15.95
Power Pack for 510V Battery	
SU4505	\$63.95
NC-510V rechargeable battery	
SU4510	\$75.95
QBC-5 charger for NC-510	
SU4515	\$23.95
Filter Holder for 611	423.33
	4 4 05
SU4450	\$ 4.95
6x6 bracket SU4820	\$23.95
5' coiled PC cord SU4735	\$ 4.95
Filter Kit for 611	
SU4460	\$23.95
Tele Kit for 611	423.33
SU4485	\$29.95
Auto Slave	
SU4410	\$20.95



SUNPAK AUTO 522

Automatic thyristor electronic flash with power ratio control to 1/64 (7 f/stop range). Automatic from 19" to 42. 4-stop continuously variable aperture range. Auto verification and MD setting. SU4150 \$129.95

Accessories for 522 Dedicated Remote Sensor for Canor SU4432	
Dedicated Remote Sensor for Olymp SU4434	
Dedicated Remote Sensor for Minolt SU4436	
Standard Remote Sensor SU4430	. \$34.95
CL-2 Nicad Battery Cluster SU4535	. \$28.95
QBC-5 Charger for CL-2 battery SU4515	. \$23.95
SU4505	. \$63.95
Filter Kit for 522 SU4460	. \$23.95
SU4490	. \$31.95
SU4730	. \$ 4.95

SUNPACK AUTO 422D



Features electronic interfacing with popular SLR cameras via interchangeable modules. Thyristor automatic exposure from 19" to 50' over 3 stop range. 5 stop power ration control. Bounce head adjusts 180° horizontal and 90° vertical.

.95
.95
.95
.95
.95



Sunpak Bounce Kit Bounce kit with 16"x12"x61/2" umbrella (requires a Sunpak filter holder) SU4500 ... \$21.95

Siegelite Flash Brackets



Siegelite Flash Brackets M2RT

The M2RT creates professional lighting effects by extending the flash unit directly over the camera lens vertically or horizontally. Built-in 12" extender.

SF1000 \$29.95

M5 Bracket

Accommodates handle type strobes with 1/4 in. thread on base. L shape design enables the photographer to position the strobe vertical, horizontal, backward, and forward. SF1005.....\$14.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



SF2008 and SF2016

Umbrella holder for use with Siegelite brackets and umbrella for portable umbrella lighting. Also fits 3/8 light stands. SF2008 \$13.95 20" umbrella for above. SF2016 \$24.95 Adapter plate for mounting Rollei/ Honeywell quick release clip. (Not included.) SF2000 \$ 3.95

Special handle strobe clamp. For most handle-type strobes. SF2002 \$ 9.95 Extra wide strobe clamp—same as

above, but for larger handles. SF2004 \$11.95

Extra platform for Leica and motor drive cameras.

Lumedyne Portable Flash





Lumedyne Portable Flash

The professional portable flash system features high light output, portability and reliability. Start with a single 200 w/s strobe weighing less than 4 lbs. including battery. Need more light? Add a power module. Need greater flash capacity? Snap on a battery module.

Lumedyne Outfit Includes: Power Pack LU5000 Regular Battery Module LU5004 Straight Cord Head LU5010 Total Package\$422.85
Lumedyne O65 Model 244 Power Pack with dual trickle charger 200 w/s LU5000
Lumedyne Power Booster Modules "Blind" Booster 071 w/o head outlet attaches to 065 pack increases power 200 w/s. LU6080 \$ 98.95
Control Booster 072 w/head outlet and three position switch controls available power. LU6085\$131.95
Lumedyne Battery Modules Snap on Mini for 244 LU5002
Snap-on Regular for 244 LU5004
Snap-on Super for 244

Snap-on Battery Compartment LU5008
Lumedyne Flash Heads Straight Cord Head 001 up to 400 w/s LU5010
Coiled Cord Head 002 up to 400 w/s LU5012
Straight Cord Modeling Light Head up to 400 w/s LU5014 \$129.95
Straight Cord Remote Control Head up to 400 w/s LU5016 \$ 89.95
Coiled Cord Remote Control Head up to 400 w/s LU5018 \$101.95
Lumedyne Battery Chargers Standard trickle charger 014 LU5030 \$23.95 Quick Charger 4½ Hour Reg. Bat. 7 hr. Super Battery (not for mini battery) LU5034 \$44.95
Charger w/head plug (auxiliary) LU5020

Vivitar Electronic Flash



Vivitar 3900

Features:

 Multiple position head for both vertical and horizontal bounce control.

 Automatic range to 60 feet covering a 28mm wide angle lens for 35mm cameras.

• 3 f-stop control for depth of field.

 Audio and visual "ready" and full charge light indicators.

Vivitar 4600

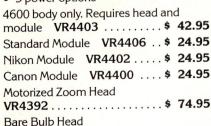
Features:

 Interchangeable flash heads.

Fully dedicated modules.

5 power options

Standard Head



VR4394 \$ 39.95

VR4404 \$ 39.95

Power Pistol Grip PPG-1 (4600)

(Bracket and cable release not included) 35mm Bracket VR4543 \$11.95 6X6 Bracket VR4544 \$11.95 Cable Release VR4545 \$ 6.95

Vivitar 283

Features:

Automatic range to 43 ft.

Tilting bounce head Choice of 4 f-stop settings

• Thyristor® circuitry for long battery life and fast recycle time.

VR4150

Vivitar 285

Features:

Automatic range to 70 ft.

3-position zoom head for normal, wide, telephoto,

Choice of 4 f-stop settings

Thyristor® circuitry for long battery life and fast recycle time.

Vivitar 3700

Vivitar 3700 Flash with Standard Module VR4163 \$88.95 Vivitar 3700 Flash with Nikon Module VR4165 \$88.95 Vivitar 3700 Flash with Canon Module VR4164 \$88.95

VR4160 \$89.95

Vivitar Flash Accessories Charge 12/20—charges NC-5 in 12 minutes, NC-3 in 20 minutes. Batteries not included. VR4517 \$39.95 NC-3 Battery Pack for 4600, 285, and 283 VR4521 \$19.95 HVP-1 High Voltage Power Pack w/strap and shoulder pad (less battery and conn.) for 283, 4600, 3900 VR4525 \$41.95 HVC-1 Connecting Cord for HVP-1 to 283 and 4600 VR4526 \$ 9.95 HVC-3 Connecting Cord for HVP-1 to 3900 VR4323 \$ 7.95 LVC-2 Connecting Cord for LVP-2 to 283 VR4528 \$16.95 VP-1 Variable Power Module for 283 VR4580 \$17.95 Macro Flash Sensor for 2500 and 3900 VR4538 \$27.95 Remote Sensor for 3900 VR4541.. \$26.95 SC-3 Coiled Sensor Cord 1.2m for 283 VR4534 \$1**6.95** BD-2 Soft Light/Bounce Diffuser Kit for 283 and 285 VR4597 \$13.95 PC-3 Coiled Shutter Cord 1m for all units VR4593 \$ 4.95 PC-1 Coiled Shutter Cord 30cm for all units VR4590 \$ 3.50 PGB-2 Quick Release Pistol Grip Set. Grip with 35mm bracket and cable release for all models. VR4587.....\$36.95 C-1 Soft Pouch Case for 283 and 285 Call or write Calumet for Dedicated Modules

for the 3900 Flash System and other Vivitar

Flash Accessories.



LIGHT STANDS



Calumet Pic Light Stands

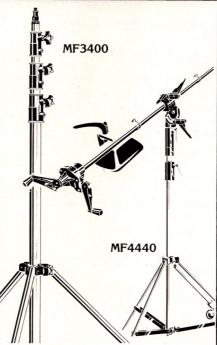
These anodized aluminum stands have been designed for Calumet to deliver the best cost to performance ratio. All stands feature: leg support struts, automatic section stops, top section rests, bottom plugs, split clamp-type castings with large lever knobs for locking tube sections, and reversible \%" and threaded \%"-16 stud.

Light Duty Stand

Medium Duty Stand

Heavy Duty Stand

Smith Victor Stands



Heavy Duty Light Stand

This superior quality three section light stand features die-cast parts, baked enamel finish, and anodized aluminum shafts. Ideal for heavier loads such as quartz spotlights and self-contained flash units. Extends to 11 ft., collapses to 41 ½ in., and weighs only 5¾ lbs. 5%" and 3%" stud. No adapter.

MF3400 \$ 59.95

Casters for Heavy Duty Stand MF3401 \$ 19.95

Heavy Duty Remote Control Boom

This finest quality boom has coaxial geared controls at one end that permit you to move a light at the other end. Range of light movement is a full 180° (in a plane parallel to the boom) and 360° (in a plane perpendicular to the axis). Handles light units up to 15 lbs. Includes adjustable counterweight and stand casters. Boom length 8'10". Stand height adjustable from 51" to 93". 5%" stud. Shipped freight collect only.

For Fast Delivery, Call Free of Charge





Pic Light Stands

Pic Back Light Stand

BS-1 special leg design permits stand to hide behind slim objects. Maximum height 46," folded length 14," weight 1 lb. 4 sections, %" mount.

Pic Standard Light Stand 122

Max. ht. 7, folded length 22," wt. 1 lb., 10 ozs., 4 sections, 3/6" mount.

AP5020 \$ 24.95

Pic Utility Light Stand 224

Pic Featherlight Stands

Features: 5 section anodized aluminum construction. Anchored, knurled thumb screws. Offset castings to fold legs. 7' featherlight, folded length 18," wt. 1 lb.

Pic Professional Stands—For heavier strobe, flood, and flash units. ½" mount.

12' professional, 5 sections, folded length 28," wt. 3 lbs., 15 ozs. AP5070 \$ 49.95

15' professional, 6 sections, folded length 32," wt. 4 lbs., 8 ozs. AP5080 \$ 71.95

Pic Commercial Stands

HD-2 features lever type lock knobs, extra heavy construction, ¼" x %" rectangular bar legs. 4 sections. Maximum ht. 8½,' folded length 31," wt. 4 lbs., 1 oz. ¾," %," and %" mounts. AP5090 \$ 71.95 HD-1 features heavy duty caster base with 2" rubber, ball-bearing swivel casters. Lever type

HD-1 features heavy duty caster base with 2" rubber, ball-bearing swivel casters. Lever type lock knobs, 4 sections, maximum ht. 9', folded, length 32," wt. 5 lbs., 10 ozs. ½," %" and %" mounts. AP6000 \$114.95 ½" to %" stud adapter.

AP7000 \$ 6.95

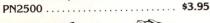
Lighting Accessories

No more need for crimping PC tip with pliers or biting it to make a tighter fit.

Our device will keep your tip always snug fitting, as well as "in round."

PC TIP CONDITIONER

Small enough to be carried in your pocket. A must for the professional.







Slaves

Gold Dome. Remote triggering device for both electronic flash and flash bulbs. Parallel blade connector. Range 200 feet.

AR2200 \$24.95 Green Dome. Remote triggering device for

electronic flash. Range 30. AR2100 \$17.95

Vivitar SL-2 Remote Flash Trigger with rotating hot shoe, PC connection.

VR4573



GVI Master Slave

Operates under all lighting conditions, can be triggered by a 50 w/s strobe at 400′, has a sensitivity adjustment and is insensitive to flash bulbs (less 9V battery). GV1000 \$ 59.95

GVI Master Slave Accessories

Adapter Cord HHF-VIV Household Female to Vivitar GV1015 \$10.95 Solid Adapters

HHF-PH Household Female to Phone Plug (Bowens) GV1025 \$11.95 HHF-PHM Household Female to Miniature Phone Plug GV1010 \$11.95 HHF-PHSM Household Female to Sub-

miniature Phone Plug GV1005.... \$11.95



Power Handle 4000 System

The Power Handle 4000 is a high capacity portable power supply that makes shoe mount electronic flash units into a versatile pro flash system.

The Power Handle 4000 will provide at least 400 flashes on manual settings and substantially greater quantities on automatic, thyristor or other energy saving flash settings.

Power Handle 4000 w/battery accessory shoe and battery charger. GI4000 \$149.95 Power Module Vivitar 283 or 285.

GI4040 \$ 19.95

*Vivitar 283 flashed once every 60 sec. on manual setting.

Para-Mount Synch Cords

Coiled Cords

Household to bipost, 6 ft. Household to PC, 6 ft. PN1008 ... \$ 8.95 Household to PC, 20 ft. PN1010 .. \$17.95 Household to Rollei lock, 6 ft. PN1013 \$ 8.95 PC to Rollei lock, 6 ft. PN1021 \$ 8.95 Household to Nikon lock, 6 ft. PN1015 \$ 8.95 Household to Nikon lock F2—or Canon F1,6ft. PN1018 \$ 9.95 PC to PC extension male to female, 6 ft. PN1023 \$ 8.95 PC to PC male to male Bauer Type, 4 ft. PN1025 \$ 8.95 PC to PC male to male Metz Type, 4 ft. PN1028 \$ 8.95 Household to Hasselblad, 4 ft. PN1030 \$ 8.95 PC to Vivitar 283-292 or Minolta Auto 25, 4 ft. PN1033 \$ 8.95 Vivitar to Nikon F2, 6 ft. PN1035 . . \$ 9.95 Straight Cords Household to PC, 1 ft. PN2005 ... \$ 6.95 Household to PC, 10 ft. PN2015 .. \$ 8.95 Household to PC, 15 ft. PN2018 .. \$ 9.95 Manual Tripper, 1 ft. PN2020 \$ 8.95 Household male to female extension, 10 ft. PN2025 \$ 8.95 Tip Conditioner PN2500 \$ 3.95 Slave to PC female adapter PN3005 \$ 7.95 Slave to plug adapter PN3010 \$ 7.95

Jones Camera and Flash Brackets



J120 Camera and Flash Platform with quick release disc. Use on Rollei, Hasselblad and other cameras. JO3545 \$31.95



J120MH Camera and Flash Platform with 3 mounting positions, adjustable handle. For Mamiya, Bronica, Hasselblad, Rollei and more. JO3546 \$28.95



J35 Rotating Camera and Flash Bracket. Revolves 35mm, medium format and 120 cameras to any position. Includes extension platform.



J-HGA Adapter Brackets slip into shoe of Hassleblad and similar camera grips. Use upright or in forward position. JO3595 \$24.95

JO3523 \$51.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Stroboframe R4

The Stroboframe R4 keeps the flash directly above the lens to eliminate red eve and throw the person's shadow down and behind, out of view of the camera. This unit comes with a single grip located right below the lens, the optional side grip attaches below the side pole and can be fitted with a cable release (sold separately).

The Stroboframe R4 fits most 35mm, 6x4.5, 6x6, 6x7 cameras. It will not fit twin lens reflex and other waist viewing cameras.



Weight 19 oz., Side-Grip 4 oz., Adapter 2-3 oz. Size 16"x51/2"x5"

Construction: Black anodized aluminum frame, oiled walnut grips. Rotary link permits rapid camera movement from horizontal to vertical format.

Stroboframe R4 w/single grip (adapter not included) SO7000\$41.95



Quick Release Flash Adapter 401 fits Honeywell type clips SO7002 \$ 5.95 Handle Type Flash Adapter 402, fits handle type flash units SO7004 \$ 7.95 Separate Head Flash Adapter 403, fits separate head type flash units SO7006\$ 6.95 Shoe Mount Flash Adapter 404, fits shoe mount flash units SO7008 \$ 9.95 Side-Grip fits Stroboframe R4 SO7010\$13.95 Accessory Shoe for remote sensors SO7012 \$ 3.95 Off Center Tripod Socket Adapter for cameras with off center tripod mounts SO7014\$ 5.95 Cable Release for use with side grip SO7016 \$ 7.95 Diffusalite for use with Stroboframe R4. This attachment is so efficient that you lose

only about 1 f-stop. Comes with conical shaped metalized reflector, diffuser disk and bracket to attach it to Stroboframe 4. SO7018\$23.95

Larson Umbrellas and Reflectors

Reflectasol®-Hex

Complete Kits include Light Mount and stand clamp.

	32"	42"	52"	72"
	\$46.95	\$53.95	\$59.95	\$87.95
Silver	LA3520	LA3523	LA3525	LA3527
Super Silver	LA3510	LA3513	LA3515	LA3517
Soft White	LA3530	LA3533	LA3535	LA3537
Gold	LA3540	LA3543	LA3545	LA3547

Reflectasol® Reflectors

Complete Kits include Light Mount and stand clamp.

20"	27"	36"	42"	3' x 6'*	42" x 6'**
\$36.95	\$42.95	\$46.95	\$49.95	\$79.95	\$94.95
LA3120	LA3123	LA3125	LA3127	LA3817	LA3912
LA3110	LA3113	LA3115	LA3117	LA3815	LA3910
LA3130	LA3133	LA3135	LA3137	LA3819	LA3914
LA3140	LA3143	LA3145	LA3147	LA3818	LA3916
LA3160	LA3163	LA3165	LA3167	LA3820	LA3918
\$31.95	\$37.95	\$41.95	\$46.95	\$79.95	\$94.95
LA3170	LA3173	LA3175	LA3177	LA3821	LA3920
	\$36.95 LA3120 LA3110 LA3130 LA3140 LA3160 \$31.95	\$36.95 \$42.95 LA3120 LA3123 LA3110 LA3113 LA3130 LA3133 LA3140 LA3143 LA3160 LA3163 \$31.95 \$37.95	\$36.95 \$42.95 \$46.95 LA3120 LA3123 LA3125 LA3110 LA3113 LA3115 LA3130 LA3133 LA3135 LA3140 LA3143 LA3145 LA3160 LA3163 LA3165 \$31.95 \$37.95 \$41.95	\$36.95 \$42.95 \$46.95 \$49.95 LA3120 LA3123 LA3125 LA3127 LA3110 LA3113 LA3115 LA3117 LA3130 LA3133 LA3135 LA3137 LA3140 LA3143 LA3145 LA3147 LA3160 LA3163 LA3165 LA3167 \$31.95 \$37.95 \$41.95 \$46.95	\$36.95 \$42.95 \$46.95 \$49.95 \$79.95 LA3120 LA3123 LA3125 LA3127 LA3817 LA3110 LA3113 LA3115 LA3117 LA3815 LA3130 LA3133 LA3135 LA3137 LA3819 LA3140 LA3143 LA3145 LA3147 LA3818 LA3160 LA3163 LA3165 LA3167 LA3820 \$31.95 \$37.95 \$41.95 \$46.95 \$79.95

^{*}with stand clamp only, no light mount.
**includes Umbrace only.

Reflectasol Hex Barn Doors

32"	LA4150	\$21.95
42"	LA4153	\$23.95
52"	LA4157	\$24.95

Refle	ctasol	Square Barn	Doors
20"		LA4110	\$17.95
27"		Ι Δ/1111	\$24 95

20"	LA4110	\$17.95
27"	LA4111	\$24.95
36"	LA4113	\$26.95
42"	LA4115	\$29.95

Soff Box®	17"	27"	42"
	\$67.95	\$89.95	\$109.95
Universal	LA4225	LA4230	LA4235
Speedotron	LA4226	LA4231	LA4236
Bowens	LA4227	LA4232	LA4237
Balcar	LA4228	LA4233	LA4238

Soff Box X-Less	17"	27"	42"
	\$69.95	\$94.95	\$116.95
Universal	LA4320	LA4322	LA4324
Speedotron	LA4360	LA4362	LA4364
Bowens	LA4280	LA4282	LA4284
Balcar	LA4350	LA4352	LA4354

Soff Shoulder®/The Soff Box®

Soff Shoulder LA4215	\$46.95
Shoulder Soff Box LA4220	\$69.95
Shoulder Soff Box X-Less	
LA4280	\$72.95

Soff Box Accessories

17 in. Louvers	LA4260	. \$43.95
27 in. Louvers	LA4261	\$51.95
17 in. Barn Doo	rs LA4269	\$24.95
27 in. Barn Doo	rs LA4263	\$31.95

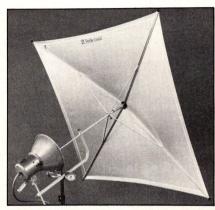
Larson Accessories

Stand Clamp for all Reflectasols LA4410 \$11.95
Quick Mount for all shoe mount electronic flash units LA4425
Handle Bar 1 light mount LA4415 \$11.95
Handle Bar 2 light mounts LA4417 \$15.95
SC2 Stand Clamp

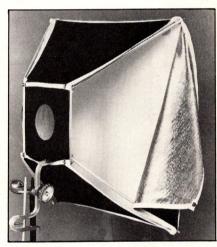
32"	42"	52"	72"
\$86.95	\$99.95	\$112.95	\$164.95
LA4000	LA4005	LA4010	LA4020
LA4030	LA4031	LA4032	LA4033
LA4035	LA4036	LA4037	LA4038
LA4040	LA4041	LA4042	LA4043
	\$86.95 LA4000 LA4030 LA4035	\$86.95 \$99.95 LA4000 LA4005 LA4030 LA4031 LA4035 LA4036	\$86.95 \$99.95 \$112.95 LA4000 LA4005 LA4010 LA4030 LA4031 LA4032 LA4035 LA4036 LA4037



Reflectasol®-Hex



Reflectasol® Reflectors



Soff Box®



Starfish™

Illuminata Light Banks

Illuminata light banks are made of extremely durable, stretch-resistant sailcloth. White sailcloth, as those who have made large silks will attest, has a very beautiful quality of translucence. The front screen is made of this white material, and the black sailcloth side panels are backed with reflective white on the interior. The bank is supported by tough, flexible, fiber glass wands, the same as are used in quality lightweight mountain tents. These four wands are tensioned as they are inserted into the support bracket to give the bank its shape and structure. The housing opening is enlarged to accept multiple strobe heads, allowing the addition of extra watt/ seconds, shorter flash duration or better ratio when needed. A Velcro closure in the collar of this opening can be adjusted against any 'in-camera' flare. For situations where a boom cannot be used, tie-offs have been provided for easy suspension. A further feature of the Illuminata light banks is an optional interior baffle for increasing the evenness with certain strobes. 'Breakdown' is quickly accomplished by removing the wands from their support and rolling the light bank into its accompanying slip cover for easy storage.

Speed Ring Inserts

Speedotron	CH1205	 	\$13.00
Balcar CH1	210	 	\$18.00
Bowens Ch	11212	 	\$18.00
Novatron C	H1214	 	\$13.00

Universal Strap-Feet Set

For attachment of all flash heads to illuminata light banks.

 CH1200
 \$ 18.00

 Multiple Head Bolt Set
 \$ 5.95

 CH1252
 \$ 5.95

 Multi-head Stand Bracket





Technical Specifications:

	Dimensions	Depth	Weight	Length (broken-down)	Cat. Number	Price
Illuminata Lig	ht Banks					
Extra-Small	16.5" x 22"	12"	¾ lb.	18"	CH1000*	\$119.95
Small	24" x 32"	18"	11/4 lbs.	27"	CH1005*	\$159.95
Medium	36" x 48"	24"	2 lbs.	22"	CH1010*	\$249.95
Large	54" x 72"	30"	31/4 lbs.	27"	CH1015*	\$389.95
Illuminata St	rip Banks		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
Small	9" x 36"	16"	1 lb.	27"	CH1020*	\$149.95
Large	14" x 56"	22"	1¾ lbs.	22"	CH1025*	\$239.95

^{*}Requires use of speed ring insert or universal strap set for attachment to flash head.

The Perfect Marriage

The Illuminata Light Banks and the Calumet Heavy Duty Remote Control Boom perform as if they were made for each other. This type of remote controlled large surface lighting can cost several thousand dollars, but the Calumet Boom with your choice of Illuminata Light Banks is very economical. Calumet will even make this marriage more attractive by offering a 5% discount on any Illuminata Light Bank purchased with the Calumet Remote Control Boom. See page 68 for specifications on the Calumet Boom.

Special Offer

Save 5% off the price of any Illuminata Light Bank when purchased with a Calumet Remote Control Boom. MF4440 \$\text{MF4440}\$\tag{1...\$299.95}

Please note the Calumet Boom is too large for UPS delivery and must be shipped Freight Collect. Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

For Fast Delivery, Call Free of Charge

To place orders with American Express, VISA or MasterCard from anywhere in the Continental United States 1-800-323-2849

(In Illinois, call: 1-312-860-7447)



The Calumet Umbrella

Buy 2 or more Calumet AU3007 Umbrellas and Save 10%.

Prices and specifications subject to change without notice





Rosco Bounce Paks

Tough, lightweight, metallic coated polyester reflectors. Compact pocket size pack unfolds to 48"x56"—over 18 sq. ft. Xframe not included. Rosco Pak F w/highly reflective silver surface.

SV4470 \$11.95

Rosco Pak B w/metalized blue surface. SV4471 \$11.95

Rosco Pak G w/metalized gold surface. SV4473 \$11.95
Rosco Pak W w/soft white surface.
SV4475 \$11.95

Rosco Pak X-Frame—mounts to any %" to %" stand SV4410 .. \$34.95

Polacoat Non-Glare Filters

Stops glare where it starts—at the light! Rotate the filters to achieve maximum glare reduction. Heat and fade resistant.

Filters in heavy duty cardboard mount, useable filter area 2" smaller than listed.

6"x6"	BR3000	\$14.95
10"x10"	" BR3002	\$21.95
16"x16'	BR3004	\$36.95

Unmounted polacoat material. 12"x12" BR3010 \$10.95 18"x18" BR3012 \$28.95



Bogen Super Clamp

Made of lightweight cast alloy with friction-lined, screw operated jaws. Jaws open 2½". Close up to ¾". Standard stud with ½/20 thread included.

BG4210 \$ 19.95



Extension Arm-extends stud 6"

away from clamp. BG4263	. \$	13.95
U-Hook cross-bar holder. BG4250	. \$	5.95
Narrow U-Hook		F 0F

L Bracket Shelf Holder.
BG4252 \$ 8.95
Super Clamp with 3025 3-way pan head

Filter Packs

These heat-resistant filters made of a tough polyester base are excellent for controlling diffusion, color temperature, and special effects.

Diffusion Packs contain 2 each of light, medium and heavy diffusion filters

8" F	Pack	SV4423	 	 \$	7.95
12"	Pack	SV4426	 	 \$1	0.95
16"	Pack	SV4430		\$1	2.95

Light Balancing Packs contain 3 each of 2 types of light balancing filters: Blue 50 balances 3200°K to daylight, ½ Booster blue adds an additional 400°K.

8" Packs	SV4421	 \$ 7.95
12" Packs	SV4424	 \$10.95
16" Packs	SV4428	 \$12.95

Color Effects Packs contain 1 each of the following color effects filters: Red, Yellow, Blue, Green, Orange and Rose Purple.

8"	Pack	SV4422		 \$ 7	.95
12"	Pack	SV4425		 \$10	.95
16"	Pack	SV4429)	\$12	.95



FH1 Universal Stand Mount

Filter holder attaches to any %" to %" stand and uses 12" filter packs. Also holds polarizing screen and gobos. SV4405 \$ 36.95

Light Stand Adapters



Adapter converts %" and %" mounts to % x 20 screw mounts. SV5315 \$ 4.95

Adapter converts %" and ½" mounts to %" stand mount.

SV5340 \$ 4.95

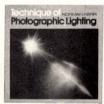


Boom Adapter fits all light stands having %" mount. Precision cast heavy duty center swivel with built-in teeth to prevent slipping. Weighted end section. Two section telescoping boom arm with ¼ x 20 threaded end. BR2001 \$29.95

Universal Nickel Plated Spring Clamp with rubber coated grips and %" stud mount. Ideal for clamping lights in difficult places. SV3850...\$ 4.95

Flash Shoe Adapter fits %" mount allows shoe mount flash units to be mounted on light stand.

BR2004 \$ 4.9



Technique of Photographic

Lighting By Norman Kerr. The best book we have found dealing with everything from what light is to how to control it. If you are genuinely interested in understanding the nature of light in photography, this book will be a welcome tool.

AH1080 \$9.95



Tony Posing Table

Height can be adjusted from 28" to 48." Construction of table, plywood covered with green felt. Chrome plated column is mounted on a round iron base.

PG2210\$128.95

Lee Light Control Filters

Lee Light Control Filters are on a tough polyester base, and have high heat resistance. The filters are available in rolls (25'x48") and sheets (24"x21"). For use with Tungsten, Electronic flash, and Quartz Halogen with appropriate filter holder.

Lee Light Control Filters

Tungsten Light Conversion	Roll Cat. No.	Sheet Cat. No
3200°K to 5700°K	LE3000	LE4000
3200°K to 3400°K	LE3001	LE4001
Per Roll \$93.95 .	Per Sheet	\$3.95

Daylight Conversion

6500°K to		
3200°K	LE3002	LE4002
6500°K to		
3800°K	LE3003	LE4003
Per Roll \$93.95	5 Per Sheet	\$3.95

Daylight to Tungsten and Neutral Density

Neutral Densit	y	
6500°K to 3200°K + .30 N.D.	LE3004	LE4004
6500°K to 3200°K +		
Per Roll \$93.95		LE4005 \$3.95
Light Reduction	n	
.30 Neutral Density	LE3006	LE4006
.60 Neutral Density	LE3007	LE4007
.90 Neutral		
Density Per Roll \$93.95 Diffusion (non		\$3.95
Heavy Frost-75		
micron base	LE3009	LE4009
Per Roll \$93.95	. Per Sheet	\$3.95
White Diffusion-		

Lee Color Effect Filters

50 mic. base

Price per	Roll						Ś	93.9
Price per								

Per Roll \$78.95. Per Sheet \$3.95

LE3010 LE4010

For more information about Lee Filters, call Calumet Toll-free.

The Tota-light is exceptionally compact and delivers extraordinarily wide angle yet efficient illumination. Mounts on standard 5/8" and smaller studs. Weighs only 22 ozs. without cable. Uses 1000, 750, and 500 watt tungsten halogen lamps. With 16' cable and switch, less lamp. LW1000 \$79.95

Accessories for Tota-light Tota-frame-holds 12" gels, locks into light. LW3010 \$21.95 Tota-brella — 27" umbrella locks directly into light. LW3015......\$25.95 FDN 500 watt 3200° lamp SY6025 \$26.50 EJG 750 watt 3200° lamp SY4032 \$32.95 FHM 1000 watt 3200° lamp SY6040 \$25.95

For fast delivery, Call free of charge, Monday through Friday 9 am to 5 pm Central Time 1-800-323-2849 (In Illinois, call 312-860-7447)

Lowel Omni-light

The Omni-light is a focusing unit with smooth beam patterns. Spot/flood range is 11:1. Weighs 27 ozs. without cable. Uses 650, 600, and 420 watt T.H. lamps. With 16' cable and switch less lamp. LW1005 \$96.95

Accessories for Omni-Light

Complete barndoor, holds 2 acc., joins 2 snoots. LW3140 \$41.95 Dichroic filter, converts 3200° to avg. daylight (glass) LW3165 \$65.95 Snoot LW3175 \$21.50 Full scrim reduces light approx. 1 stop EKD 650 watt 3400° lamp SY4050 \$21.95 DYS 600 watt 3200° lamp SY3065 \$17.95

Lowel DP Light

The DP light has a 7:1 focusing range with a smooth transition between its flood and spot positions. Weighs 3 lbs., 14 ozs., with built-in cable. Uses 1000, 750, and 500 watt T.H. lamps. Less lamp. LW3500 \$104.95

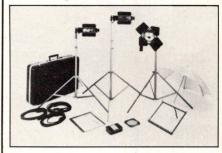
Lowel Softlight 2

The New Softlight 2 provides large-source indirect illumination. Uses two 500, 750, or 1000 watt T.H. lamps. Weighs 8 lbs. with cable. Less lamps.

Accessories for Softlight

Barndoor set LW2505 \$61.95 EJG 750 watt 3200°k lamp (2 required) SY4032 \$32.95 FDF 500 watt 3200°k lamp (2 required) SY6024 \$25.95

Lowel Light Kits



3 Tota-lights, 16' Cables (less lamps); 3 Tota-Frames; Assorted Gels; 3 Tota-Flags; 1 Tota-Flector: 4 Flexishafts: 1 Tota-Mount; 1 Tota-Clamp; 1 small Space Clamp; 1 12 yard gaffer tape; 1 Tota-Lampak;

1 Tota-Case. Total weight 17 lbs. LW4000\$549.95

Trans-Kit

3 Tota-Lights, 16' Cables (less lamps); 3 Tota-Brellas; 3 Omni 9' Stands; 1 Tota-Lampak; 1 Tota/Omni Molded Case. Total weight 29 lbs. LW4005\$599.95

Basically 3 Kit

2 Tota-Lights, 16' Cables (less lamps); 1 Omni-Light, 16' Cable, #1 Reflector (less lamp): 1 Omni-Barndoor; 1 Full Scrim; 1 Tota-Brella; 1 Tota-Frame; Assorted Gels; 3 Omni 9' Stands; 1 Tota/Omni Lampak; 1 Case. Total weight 28 lbs. LW4010\$649.95

3 DP Lights; #1 Reflector (less lamps); 3 DP Barndoors; 3 KS 9' Stands; 1 DP Lampak; 1 Multi Case. Total weight 43 lbs. LW4020\$819.95

Naren Spotlights





Naren Pro Spots

These Naren Spots feature strong, lightweight, diecast aluminum housings and 41/2 in. heat resisting fresnel lenses for a clear powerful light beam. An unbreakable front surface reflector and simple action push-pull mechanism provide control to focus the spot. Naren Pro Spots are equipped with a table base which is removable for stand mounting. The spots have an attractive silver brown wrinkle finish.

Naren Model 102 Pro Spot 500 Watt capacity. Lamp not included. NA0102 \$139.95 500 Watt Tungsten Lamp for Naren Pro Spot. NA1102 \$ 32.95

Naren Model 103 Pro Spot

1000 Watt capacity. Feature twin blower for cool operation and longer lamp life. Lamp not included. NA0103 \$179.95

1000 Watt Tungsten Lamp for Pro Spot NA1103 \$ 41.95

Naren Pro Spot Accessories

Accessory Adapter Required for all accessories except snoot. NA1200 \$ 7.95

Diffusion Screen with Frame NA1208 \$ 7.95

Gel Filter Set with Frame

Includes blue, red, amber, green, and pink gels. NA1206 \$ 31.95 Pro Spot Blinder NA1210 \$ 12.95

Color Wheel includes 5 different color gels. Hand operated. NA1214 \$ 49.95

Optical Spot Snoot

Provides bright sharp edge spot at long distances. Circular disc has 5 different size apertures. For Naren 102 and 103 Spots. NA1212 \$ 99.95



Naren Hy-Lite «

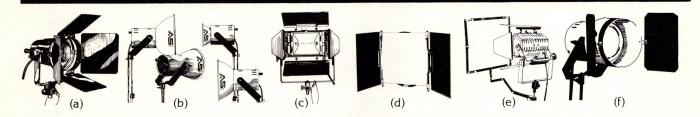
Features 3" diameter lens for clear, even light. Polished chrome reflector for peak efficiency. Cooler, double walled lamp housing. 360° universal mounting for table, wall ceiling or light stand. Fingertip beam spread control and all steel construction. Uses 100 watt lamp. Tungsten lamp not included.

NA0115 \$ 49.95 100 Watt Lamp for Hy-Lite NA1115 \$ 10.95

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Smith Victor Lighting





Smith Victor Quartz Unit Q60 (f)

General purpose 600 watt unit with baffled and vented construction for cool operation. Comes with permanently attached 2-leaf barn doors.

Specifications:

- Rating: 120V-5.4 amps @ 600 watts
- Requires DYS 600 watt lamp
- Cable: 10, 3-wire grounded

Q120 and Q125 Reflectors

General purpose quartz reflector 600 watt units with swivel yoke for easy positioning. Vented and baffled construction. Q125 features a high-low switch.

Specifications:

- Rating: 120V-5.4 amps @ 600 watts
- Requires DYS 600 watt lamp
- Cable: 10' 3-wire grounded
- Mounting: Universal—3%" to 5%"

 Q120 Reflector
 \$V3912
 \$57.95

 Q125 Reflector
 \$V3914
 \$84.95

 Barn door-filter holder for Q120/Q125

SV4319 \$33.95

Model 700 Flood

Low cost, compact 600 watt flood. Constructed of phenolic resin with etched aluminum reflector. Unit mounted on/off switch. %" mounting, 10' 2 wire cable. Supplied with DYH 600 watt 3200° lamp.

Without barn doors.

SV3900 \$48.95 Barn door for 700. SV3901 \$31.95

Professional Quartz 710 & 720 (a)

Professional focusing quartz light units. Rear mounted focusing lever allows easy flood to spot control. Double wall vented aluminum construction with spun aluminum reflector. 10' 3 wire grounded cable with in line switch. %-%" mounting.

710 requires 600 watt DYH lamp.

SV3920 \$ 89.95

720 requires 1000 watt FBY lamp.

SV3930 \$109.95

Barn Door for 710 SV3921 ... \$ 31.95

Single Scrim for 710 SV3922 ... \$ 11.95

Barn Door for 720 SV3931 \$ 38.95

Single Scrim for 720 SV3932 ... \$ 14.95

FH1 Universal Stand Mount (e)

740 & 750 Broad Lights (c)

These 650 and 1000 watt quartz broad lights provide rectangular, flat, even fill illumination over large areas. Permanently attached 4-leaf barn doors. Large insulated handle for easy adjustment. 10' 3 wire grounded cable with in line switch. %" to %" mounting.

Smith Victor Lexan® Diffusion Screens

Photoflood Kits

K6R 1250 Watt Portrait Kit

Includes the following: one A5 5" reflector, socket and cord assembly, 2 A10UL $10\frac{1}{2}$ " reflectors, sockets and cord assemblies, one 250W 3200° K photo lamp; two 500W 3200° K photo lamps; three S7 6' steel stands, one storage and carrying case.

SV3515 \$104.95

K83 1500 Watt Photoflood Location Kit Includes 3-A80 ultra cool studio lights, 3 ECT lamps, 3-S9 4-leg 6' steel stands, 1 light case, and 1 stand case.

SV3520 \$171.95

Quartz Lighting Kits

K2R 1800 Quartz Location Kit Includes 3-700 quartz lights. 3-DYA lamps, 3-S6R 6' stands, and carrying case. SV3500\$219.9

K72 1900W Professional Quartz Location Kit Includes: 2-740 650W quartz broad units with 2 FBY lamps and single scrims, 1-710 600W focusing quartz unit with DYH lamp and barn doors. 3-SA48 8' aluminum stands, and 29 x 16 x 7 carrying case.

Ultra Cool Studio Lights (b)

Designed to perform at a much lower operating temperature than conventional units, with integral baffles and vents for excellent heat dissipation. Each unit features a porcelain socket, 10' 3-wire grounded cord and universal %" x to %" swivel mount.

A100 10" Reflector yields 50° beam when used with 250W lamp. (LL listed.

AR 40 General Purpose Unit for R-30 & R-40 type reflector lamps up to 500 watts. Features permanently attached 2-leaf barn doors.

A10UL 10" Reflector emits 50°beam when used with 250 watt lamp.

Economy Adapta-Lights

90 UL 10½" Reflector with spring clamp.
\$V4120 \$20.95

91 UL Light—Less Clamp
\$V4125 \$19.95

Standard Adapta-Lites

A5UL 5" Reflector yields 60° beam when equipped with 250 watt lamp. With %" mounting. SV3830 \$19.95

Accessories for Reflector Units (d)

2-leaf Barn Doors with rolling rim mounts permit 360° rotation. With filter holder capacity.

capacity.

BD50 fits A5, A50 SV4313 \$22.95

DB80 fits A8UL, A80 SV4315 \$24.95

BD100 fits A10UL-A, A10UL, 90UL,
910HUL, A100 SV4317 \$34.95

BD120 fits A12UL, A120, Q120, Q125

SV4319 \$33.95

BD160 fits A160 SV4321 \$49.95

Prices and specifications subject to change without notice.

Calumet Quartz Lights



Calumet Quartz Lights

Calumet offers a powerful and highly portable continuous light source for still and motion picture photography...on location, in a plant or studio. Rugged construction, heat proof grips and spring-loaded 4-way barndoors are standard features on these exceptionally dependable lights. All flood reflectors are the "broad" design, developed for motion picture lighting. Our quartz lamps are rated 3200 Kelvin at 120 volts and feature flow-through cooling to keep heat down for maximum lamp life. All regular quartz lamps fit these units thus offering many lamp types from 3000° to 3400°K in either 115-120V or 220-230V currents. All lights have %" mount sockets.



2000W Power Flood

Current draw: 16.7 amps. 25' 3-wire line cord with in-line switch. Adjustable yoke for top or bottom mounting. Dimensions: $12\frac{1}{2}$ " x $10\frac{1}{2}$." Weight with cable, $8\frac{1}{2}$ lbs. Folds to pie plate size. Less lamp.

BM2301 \$199.95

74 For Fast Delivery, Call Free of Charge



(In Illinois, call: 1-312-860-7447)



1000W Flood



650W Flood

Identical to 1000W unit except for overall size and lamp. Dimensions: 7"x4%"x2\%." Weight: 4 lbs. With 25' 3-wire cable, line switch. 5.4 ampere draw. Less lamp.

BM2308 \$114.95



Focusing Quartz Spotlight

Focuses 4° to 44° and is furnished with 6″ Fresnel lens. Front mount for barndoors or accessories (not included). On/off switch, 25′ power cord. Mounting yoke with 5%″ socket. Less lamp. BM2313 \$229.95

Extra Lamps and Accessories

FEY 2000 watt quartz lamp for BM2301. SY6035
DVV 1500 watt quartz lamp for BM2301. SY3057
FER 1000 watt quartz lamp for BM2301. SY6030
FBX 650 watt frosted quartz lamp for BM2308. SY6015
FHM 1000 watt frosted quartz lamp for BM2307. SY6040
EGR 750 watt quartz lamp for focusing spot BM2313. SY4027
EGT 1000 watt quartz lamp for focusing spot BM2313. SY4030 \$ 49.95

Barndoor and Snoots for Focusing Spotlight

2" opening for small diameter soft spotlight effects. BM2315
effects. BM2316 \$ 14.95 4" opening for small diameter soft spotlight effects. BM2317 \$ 14.95
effects. BM2317 \$ 14.95
4-way extra long barndoors for BM2313, front
clips for snoots, diffusers, etc. BM2314

Extended Accessory Cone

Wire Screen Diffuser

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Ideal Quartz Lights





Quartz Lights

Powerful and dependable lighting units with strong even illumination for true color saturation using a quartz Halogen lamp and high efficiency cooling fan. Features include Tempex heat absorbent front safety glass, built-in replaceable fuse, heavy duty cord, swivel for bounce lighting and built-in thermostat which shuts unit off if excessive temperature is reached.

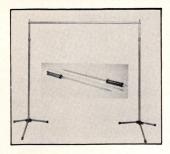
1000 W Light uses 1-ID3015 lamp (not
included) ID3000\$109.95
2000 W Light uses 2-ID3015 lamps (not
included) ID3010\$164.95
1000 W Lamp for ID3000 and ID3010 3200° K
ID3015 \$ 14.95

Diffusion Filter for ID3000 ID3020
Diffusion Filter for ID3010 ID3021
Barn Doors for ID3000 and ID3010 ID3022
1000 W Quartz Light with built-in barn doors, adjustable reflector for indirect illumination, 360° vertical and horizontal swivel and built-in fuse. Includes 1000 W quartz Halogen lamp and bracket. ID3030 \$ 44.95
Spare 1000 W Quartz Lamp for ID3030

ID3031.....\$ 14.95

75

Hard to Find Lighting



Welt Background Support Outfit

A free-standing portable background support outfit requiring no nuts, bolts or washers. Variable height and width with folding steel tripod legs. Ideal for seamless paper, drapes, display panels, booths and movie screens.

Safelock BG-67 Outfit. Two stands, max. height 9. One telescoping paper support, max. length 6.

WE3915 \$64.95 Safelock BG-115 Outfit. Two stands, max. height 9'. One telescoping paper support, max length 9'.

WE3910 \$73.95



Timber Topper® is a steel sleeve 8" long which fits over the end of the standard 2x3 sold by most lumber-yards. Powerful lifetime spring holds the 2x3 firmly between floor and ceiling.

BE1055 \$ 6.95



Round Timber Topper® fits 1%" diameter closet pole. Made of kiln dried wood.

BE1050 \$ 5.95



Polecat "Claw"—the all purpose clamp. Revolve the two 2" clamps to any one of the 16 different angles. Weighs only 1½ lbs.

BE1025 \$29.95



Studio Polecats

Spring loaded telescoping 1%'' diameter poles of anodized aluminum can support up to 300 lbs. but only weighs 5 lbs. Use two with crossbar and crossbar hooks for background holder.

No. 6 Polecat for ceilings from 8½ to 15½ ft.
BE1005 ... \$54.95
No. 9 Polecat for ceilings from 6½ to 9½ ft.
BE1020 ... \$39.95

Shorty Polecat Kit No. 48

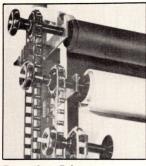
This kit is only 28" long and weighs only 18 lbs., but contains enough interlocking two ft. 1½" diameter sections and fittings to make a big 13½ ft. high by10 ft. wide spring loaded background set-up or a 6 ft. by 10 ft. free standing set-up. Kit comes with sturdy canvas bag with shoulder strap.

BE1045 \$234.95 Extra 2' sections. BE1046 \$ 9.95



Portable Modeling Light

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Bogen Auto-Pole

The Auto-Pole system takes the work out of setting up background poles. You simply place the pole where you want, raise the top section to the ceiling and use the lever action lock to secure it in place.

Auto-Pole

Minimum clearance height 77¾ in., maximum height (w/o extension) 11′4″. Set of 2.

Background Holder Hook wall mount type. Set of 2 (holds 3 BG4150). BG4160 \$18.95

Auto-Pole Complete System

Consists of a set of Auto-Poles BG4110, background holder hook set BG4161 and 3 Expan sets BG4150. BG4112 \$219.95 Bogen Auto-Poles can be shipped U.RS.



Polecat Adjustable Booms

Polecat Booms

No. 32 Eight ft. Light Boom w/No. 6 Polecat—reaches ceilings up to 15½ ft. BE2007 ... \$ 98.95 No. 35 Eight ft. Light Boom w/No. 9 Polecat—reaches ceilings up to 9½ ft. BE2020 ... \$ 84.95 No. 31 Eight ft. Light Boom Arm Only—use with any Polecat BE2000 ... \$ 47.95



Flexi-Shaft System

Flexi-shaft—lightweight, flexible arms snap/lock into fittings on Tota-Light, Tota-Clamp, Tota-Tatch, and Tota-dapter. Use to position and hold flags, reflectors, gels, etc. 16" Flexi-shaft LW3030... \$15.95

Tota·Clamp—clamps onto objects

to 1 1%," has %" stud and 1/4/20 socket.
Accepts 2 Flexi-shafts.
LW3070 \$17.95
Tota-Tach—small spring clip accepts
Flexi-shaft LW3020 \$10.95



Gaffer Grip

Wall mounts—for Quartz or other heavy lights. 4'x6' base plate. 5%" diameter stud

3" long SV7050.....\$ 16.95 6" long SV7051.....\$ 17.95 9" long with 90° bend SV7054\$ 18.95

Sky Hook Adjustable Gaffer Clamp



Multi Clip—Multipurpose double ended swivel mounted clip. Great for holding filters, diffusers, gobos, cables, etc.

BW5410 each \$ 4.95



Beseler CB7 Enlarger

Beseler CB7 Chassis

Structural rigidity and human engineering set the CB7 apart from other 4 x 5 enlargers. The massive triangular truss chassis features front panel control of motorized elevation, power focusing (coarse and fine), and timer functions. The CB7 uses 45M series negative carriers and lens boards.

BS3020 \$1	659.95
Beseler CB7 Condenser Lamphouse— Features oversize 7" condensers for ex-	
illumination. BS3022\$	249.95
Beseler Dichro Color Computer BS3130\$	899.95
Beseler CB7 Point Light Source BS3028	649.95
Timer for CB7 Chassis BS4500\$	69.95

Beseler 8 x 10 Adapter for the CB7 Enlarger

The Beseler CB7 enlarger is capable of enlarging 8 x 10 inch negatives when this economical adapter is inserted between the CB7 chassis and the Beseler Computerized Colorhead. The adapter is supplied with an 8 x 10 glass carrier. This setup is especially useful for making "enlarged" contact sheets. CB7 8 x 10 Adapter $\,$ BS3030 ...\$ 599.95

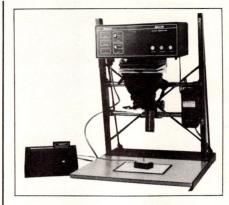


Data Module

Interfaces with the Computerized Colorhead to provide a color analyzer and timer for oneasel evaluation. Features a magnetic card reader/writer for unlimited storage and retrieval of analyzer or filtration/exposure information.

BS3131	 . \$899.95

Prices and specifications subject to change without notice.



Beseler 45MXII Enlarger

Beseler 45MXII Chassis—Features rugged motorized elevation control and oversized baseboard for prints up to 16 x 20.

BS3000 \$479.95

Beseler Dichro 45 Computerized Colorhead

Accessories for Dichro 45

6 x 7 Diffusion Chamber

Beseler 45 Negative Carriers 35mm BS3210 \$ 36.95

4 x 5 cut film BS3225 \$ 36.95

Negaflat Carrier

Holds 4×5 negs flat without glass. Lever controls two sets of clamping bars that grip negative outside image area and pull taut. Negaflat for Beseler 4×5 enlargers. $\$83260 \dots \9.95

Note: 4 x 5 enlargers exceed UPS requirements and are therefore shipped freight collect.

Beseler 23CII Enlarger

23CII XL Enlarger. Offers 8½" longer track and oversized baseboard.
BS2005-10 \$309.95

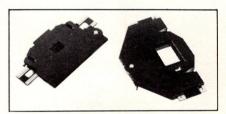
Dual Dichro-S Colorhead

Can be used with or without condensers.
Features white light focusing lever, 0-200 filtration, and built-in solid state stabilized power supply BS3008 \$319.95
35mm Mixing Chamber for Dual Dichro 23
BS3305 \$49.95

50mm Beseler Lens Kit for 23C

23C Negative Carriers

23C negative Carriers	
35mm BS2210\$	24.95
35mm mounted slide BS2215\$	28.95
6 x 4.5 BS2205\$	24.95
6 x 6 BS2225 \$	24.95
6 x 7 BS2240 \$	24.95
35mm Negatrans BS2255 \$	67.95



Negatrans Carriers

Allows for easy transport of single or strip negatives without removing carrier or touching negative.

35mm Negatrans for 4 x 5 enlargers for full or ½ frame 35mm BS3250 ... \$ 99.95 2¼ Negatrans for 4 x 5 enlargers adjustable for 2¼ square or 6 x 7. BS3255 ... \$132.95 Drop-in 645 adapter for 2¼ Negatrans BS2251 ... \$ 22.95

Omega Adapters

Omega Adapters for Negaflat-Negatrans use the Beseler Negaflat or Negatrans carriers on 4×5 Omega D series enlarger.

When ordering lensboards, please call Calumet to confirm proper match of lensboard to your lens.





Omega D5500 Enlarger System

Omega D5500 Chassis

Features: extruded box-beam girder, automatic alignment, and new instant change carrier cassette system. Includes carrier cassette and single lens mount. Baseboard not included. OA4000 5569.95
Omega D5500 Baseboard

Omega D5500 Universal Condenser Lamphouse. OA4025 \$189.95

Omega D5500 Auto CLS Lamphouse

The exact color balance of the light within the mixing chamber is constantly monitored by a gallium photodetector. Filter movement is performed automatically by a unique motor system. Requires use of CLS controller.

OA4010 \$569.95

Omega D5500 CLS Controller

Omega D5500 Negative Carriers

OA4052.....\$ 34.95

Carrier Cassette for Film Strip Masks
OA4054.....\$ 34.95

Rapid Shift Carrier Holder (C size) **OA4065.....\$ 48.95**

Omega D5500 Masks Sets

 35mm (C size)
 OA4120
 \$ 16.95

 2x2 Mntd. Slide (C size)
 OA4122
 \$ 18.95

 6x6 cm (C size)
 OA4127
 \$ 16.95

 4x5 in. (D size)
 OA4145
 \$ 16.95

Omega D5500 Lens Mounts

Flat single lens mount (replacement) requires lens plate. OA4160 \$ 16.95

Three lens turret (requires special lens plates). OA4165.....\$139.95

Please call or write Calumet when ordering enlargers. Our technical sales staff will assist you in selecting the proper lens mounts and accessories.

Negative Carriers For D-Type Enlargers

35mm OA6609 ... \$ 31.95
35mm Mounted Slide OA6680 ... \$ 31.95
2¼"x2¼" (6x6cm) OA6626 ... \$ 31.95
6x4.5cm OA6623 ... \$ 31.95
2¼"x2¾" (6x7cm) OA6627 ... \$ 31.95
2¼"x3¼" (6x9cm) OA6630 ... \$ 31.95
Polaroid 105 OA6640 ... \$ 31.95
4x5 Cut OA6645 ... \$ 31.95
4x5 Universal Glass
OA6660 ... \$ 63.95
35mm Glass Rapid Shift
OA6670 ... \$ 49.95
2¼"x2¼" Glass Rapid Shift
OA6671 ... \$ 49.95

Please call or write Calumet for assistance when ordering the Omega D5500. Negative carriers, carrier masks, lens mounts and lens discs are not compatible with Omega D5 enlargers.

Omega C760 XL Modular Enlarger System

C760 Dichroic Lamphouse

Supplied with 35mm and 2½x2¾ mixing chambers and 3 light attenuators.

OA5015.....\$169.95

OA5011.....\$ 11.95

Solid State Voltage Stabilizer for 760 Dichroic Lamphouse. **OA6470** **\$ 59.95**

 6x4.5
 OA5040
 \$ 20.95

 6x6
 OA5043
 \$ 20.95

 6x7
 OA5045
 \$ 20.95

Saunders Rapid Master 35mm Proofing Carrier

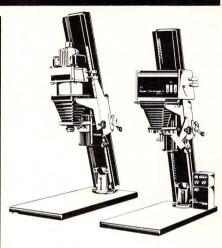
Unique film carrier for Omega D enlargers that makes up to nine enlarged projected proofs from 35mm film.

\$69.95

For Fast Delivery, Call Free of Charge

To place orders with American Express, VISA or MasterCard from anywhere in the Continental United States 1-800-323-2849

(In Illinois, call: 1-312-860-7447)



Omega D5XL Universal Enlarger System

DV Universal Variable Condenser Lamphouse Triple condenser lamphouse has 2 fixed and 1 variable condenser to adjust system to format being printed. **OA6250...\$179.95**

D Dichroic II Lampouse—With DD light multiplier for 4x5 format and 250 watt lamp. For all D enlargers. Requires power supply not included. OA6440......\$559.95

Voltage Stabilizer OA6475 \$149.95

DB Light Multiplier for negatives up to 2½"x2¾" OA7150 \$119.95

250 Watt Halogen Lamp for Dichro II

Chromegatrol Power Supply/Timer—Includes built-in Power Supply, Voltage Stabilizer, Timer. No additional accessories needed for Dichro II Lamphouse. OA6445\$314.95

Micromega Dual Range Focus Kit OA7115 \$ 39.95

Masking Attachment OA7507 ... \$ 69.95
Wall Projection Attachment

Wall Brace (top) OA7566 \$69.95

Aristo Cold Light Sources



Aristo Cold Light Sources

More and more photographers are turning to cold light to answer a wide variety of printing problems. It is the most widely used light source for Zone System Printing.

Aristo Cold Light Sources offer the following black and white printing advantages:

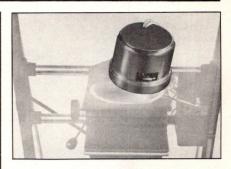
- Reduces negative "pop," buckle and warping. The housing remains at a low 105° constant temperature.
- Eliminates Hot Spots.
- Faster printing speed...up to 2½ times normal which means greater sharpness because of reduced vibration.
- Long lamp life—approximately 10,000 hours
- Less print spotting—The Aristo Highly Diffused Light Source suppresses dust and scratches on the negative.
- Eliminates the Callier effect for brilliant prints as close to contact print quality as possible from an enlarger.
- Easy to install on most enlargers.

- *For Omega D Enlargers. Requires Omega D condenser lens collar supplied with Omega Condenser Lamp House.
- **For Beseler 4x5 Enlargers. Requires
 Beseler Adapter Collar
 Al1005 \$12.95

Aristo STD 45 Cold Light Source can be adapted to other 4x5 or home made enlargers $4\frac{1}{2}"x5\frac{1}{2}"x5"$ high.

AI1025 \$106.95

For additional information about Aristo Light Sources and Replacement Lamps, call or write Calumet.



Calumet Cold Light Enlarging Package

Beseler 45MxII enlarger chassis BS3000
Aristo D2 Cold Light Head AI1000
Beseler Collar AI1005
Rodagon 135mm f5.6 enlarger lens RS5040
Beseler 45 Lensboard BS2125
Beseler 4x5 Negative Carrier BS3225
Special Package Price \$829.95

Darkroom and Processing Books



78



 Kodak Color Darkroom Dataguide. Divided into two major sections—color negative materials and color transparency materials. Both sections contain information on films, film processing, making color prints, tube processing, image structure. Includes

color paper surfaces. KB1092 \$19.95

- Kodak Ektacolor FilterFinder Kit. Simplifies making prints from color negatives.
 Contains the Ektacolor FilterFinder, a specially made piece of film; the Locator, a nine-step gray scale used to determine the accuracy of test print color balance and exposure; Kodak Gray Card, to be photographed with your subject; and the Calculator Dial, to make routine darkroom calculations.
 KB1900\$19.95

- Basic Photographic Sensitometry Workbook. Self-teaching approach to fundamental concepts and calculations of sensitometry. Includes density, exposure, sensitometric-curve construction, contrast measurement, and film-speed measurements. KB1720 6.50

- Color Printing Techniques. Basic procedures for making color prints from color negatives and slides using Kodak Ektaflex Products and Kodak Ektacolor and Ektachrome Papers. Includes information on equipment, darkrooms, retouching, and framing.
 KB2005 8.95

Prices and specifications subject to change without notice.



Introduction to Process Monitoring

- Kodak Polycontrast Filter Computer KB1070 \$3.25
- Basic Developing, Printing, Enlarging in Color KB1160\$4.75
- Basic Developing, Printing, Enlarging in Black and White KB1250 \$3.00

Enlarging Lenses





EL Nikkor Lenses

Specifically computed for optimum performance at the most widely preferred enlargement sizes, EL Nikkor lens offer resolving power, contrast, evenness of illumination and flatness of field far in excess of the capabilities of conventional optics. They are corrected for chromatic aberration beyond the visible spectrum, insuring against focus shift at every aperture and magnification. All EL Nikkor lenses, 50mm to 135mm, are supplied in universal (39mm) "Leica" thread mount.

New Low Prices!

Choosing Enlarger Lens Focal Length

Choosing the proper focal length to match your format size is extremely important. If the enlarging lens is too short (i.e. 50mm lens for 6cm x 6cm negatives), the lens will not cover the entire image area of the negative. This will create illumination fall off on the corners and, in extreme cases, will produce a circular image on the print. If the focal length is too long (i.e. 135mm lens for 35mm negatives), your image magnification will be hampered, allowing only small enlargements, even with the enlarger head at maximum column height.

The first rule of thumb in choosing the proper focal length is that it should be at least the same focal length as the "normal" picturetaking lens for the format involved (i.e. 50mm lens for 35mm format, 80mm lens for 6cm x 6 cm, and 150mm for 4" x 5"). The focal length of the enlarging lens should be equal to or larger than the format diagonal. One possible exception to this rule would be the use of a 135mm enlarging lens for 4 x 5 negatives. Although optimum performance will not be achieved through this combination, coverage is sufficient, making it a popular choice for 4 x 5 work.

Schneider Componon Lenses

Regarded as the standard professional enlarging lenses for true color enlarging. They provide excellent resolution throughout the full aperture range, from wide open to the smallest f/stop. The lenses are of a symmetrical construction, eliminating "focus shift" as lens is stopped down. Focusing can be done with lens "wide open" for maximum illumination.

New 50, 80 and 100 mm lenses feature illuminated f numbers with clicks at full and half stops. The click stop can be disengaged for fine adjustment when using an analyzer. A pre-set aperture control on these lenses allows the user to pre-select an f-stop, open the lens to maximum aperture for focusing, and return to the pre-selected f-stop without looking at the lens.

New Low Prices!

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Componon-WA 80mm — f/5.6, 39mm mnt. SC4080
Componon-S 50mm*—f/2.8, 39mm mnt. SC5050\$109.95
Componon-S 80mm*—f/5.6, 39mm mnt. SC5080\$119.95
Componon-S 100mm*—f/5.6, 39mm mnt. SC5100
Componen-S 135mm*—f/5.6, 42mm mnt. SC5135\$189.95
Component S 150mm*—f/5.6, 42mm mnt.

Schneider Componar Lenses

Designed for most popular amateur formats, for users who insist on Schneider lens quality at a budget price. These lenses are optimized for best performance at f/8, although additional stops to f/22 permit depth-of-field in print to be increased when compensating for perspective distortion.

Componar 3-element enlarging lenses feature illuminated diaphragm. Componar-C 75mm-f/4.0, 39mm mnt. Componar 105mm f/4.5, 39mm mnt.

SC1105 \$ 56.95

For other lenses, please call or write Calumet.

Rodenstock Rodagon **Enlarging Lenses**

The Rodagon series of enlarging lenses exceed the most demanding professional requirements. The computer-designed six element formula utilizes special rare earth glass for outstanding color correction. Special features include illuminated f/stop scales and disengageable click stops.

New Low Prices!

50mm f2.8, 39mm mnt.	RS5010\$	99.95
80mm f4.0, 39mm mnt.	RS5025\$1	29.95
80mm f5.6, 39mm mnt.	RS5030\$	99.95
105mm f5.6, 39mm mnt.	RS5035\$1	69.95
135mm f5.6, 39mm mnt.	RS5040\$1	89.95
150mm f5.6, 50mm mnt.	RS5045\$2	39.95

Did You Know?

Enlarger Alignment

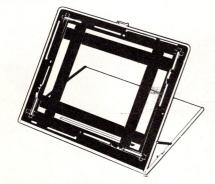
Enlarger alignment is an often overlooked element of the photographic process. Most photographers are aware of the importance of a top quality enlarging lens; however, the performance of even the best lenses will be greatly diminished if the enlarger is out of alignment. The Calumet Enlarger Alignment Tool is designed to help you accurately adjust the negative stage and the lens stage parallel to the baseboard. This alignment is most important when setting up a new enlarger, but periodic adjustment of all enlargers will assure optimum performance.



Calumet Enlarger Alignment Tool

Prints not sharp? Your enlarger may be out of alignment. The Calumet Alignment Tool with built-in adjustable spirit level is a precision instrument that permits you to properly align your enlarger for the sharpest possible prints. CP9230 \$ 39.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Adjustable Universal Easel

Heavy Duty Professional Easels

Four individually and infinitely adjustable stainless steel blades.

16" x 20" Easel **SO6250** **\$279.95** 20" x 24" Easel **SO6255** **\$419.95**

Saunders Master Easel

Modular in design and features a removable, four-bladed precision masking frame which allows installation of either a borderless paper holder or a contact proofer.

 SO6310
 \$124.95

 Borderless Kit for Master Easel
 \$06905
 \$ 13.95

Multi-Size Easel

An economy version of the PR810 Print and Repeat Easel. Prints 2-5'' x 7'', 4-4'' x 5'', $4-3\frac{1}{2}''$ x 5'', or 6 wallet size prints on standard 8'' x 10'' paper. Sizes smaller than 5'' x 7'' require reversing the paper.

SO6350.....\$ 59.95

Single-Sized Easels

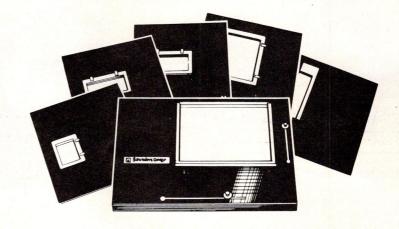
All easels have $\frac{3}{16}$ " border. 8" x 10" SO6050 ... \$ 21.95 11" x 14" SO6055 ... \$ 24.95 16" x 20" SO6060 ... \$ 51.95



Deluxe Adjustable Borderless Easels

8" x 10"	SO6120 .	 					\$	18.95
	SO6125							
16" x 20"	SO6130	 					\$	62.95
20" x 24"	SO6135			ŀ			\$1	59.95

Call or write for Saunders easel brochure.



PR810 8" x 10" Print and Repeat Easel

Four masks to make 5" x 7", 4" x 5", 3½" x 5" and 2½" x 3½" prints on 8" x 10" paper. \$06410 \$219.95

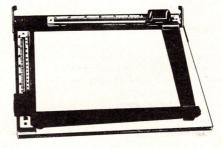
PR620 16" x 20" Print and Repeat Easel



Beseler Borderless Easels

Borderless, adjustable easels with an antireflective black finish. Features include rubber feet for greater stability and a small cut-out for easy lifting of paper.

8" x 10" Easel BS8000 ... \$ 14.95 11" x 14" Easel BS8005 ... \$ 18.95 16" x 20" Easel BS8010 ... \$ 29.95



Bogen Adjustable Easels

All metal precision 2-blade enlarging easels with automatic paper grippers. Heavily braced for rigidity and perfect flatness.

8" x 10" BG6120 ... \$ 18.95 11" x 14" BG6130 ... \$ 25.95 16" x 20" BG6140 ... \$ 54.95



Coast 14x17 Professional Precision Easel

Handles all size paper up to 14" x 17." 4 overlapping, individually adjustable masking blades. All metal construction. Non-skid base. Excellent value.

CT1005 \$59.95



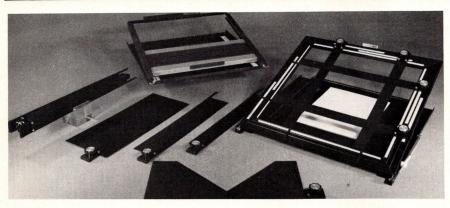
Premier 4-in-1 Enlarging Easels

Magnetic latching with four fixed frames with $\frac{1}{4}$ " margins -8" x 10", 5" x 7", $\frac{3}{2}$ " x 5", $\frac{2}{2}$ " x 34". White base, black frame.

PM6320 \$ 22.95 Coast 4 in 1 Easel CT1000 \$ 14.95

Easels and Focusing Aids





Kostiner Component Masking System

The Masker will help you make better pictures and add new dimensions to your darkroom technique. The format possibilities are limited only by your imagination!

The Masker lets you measure margins and image size, instantly and accurately, regardless of paper size or position on the baseboard. It allows fully adjustable outlines, hairlines or bold lines, anywhere and in any width. If your photograph requires a black border, the optional Reverse Border Printer will print fully adjustable black borders.

The Masker is made in a square format for continuous loading paper, either vertically or horizontally, from the front position. The stainless steel masking blades lock to the carriage with a three-part Delrin mold and locking knob designed so the blades must line up at 90 degrees to the carriage. The blades are instantly removable and are available in a variety of widths and shapes.

15 x 15 Masker with 4-1¼" masking blades KS6000 \$139.95 20 x 20 Masker with 4-1¼" masking blades KS6020 \$214.95

Accessories for 15 x 15 Masker

2" Masking Blade (each)		
KS6002	\$	14.95
3" Masking Blade (each)		
KS6003	4	15 05
	4	13.33
Diamond Blade (set of two)		
KS6005	\$	49.95
Penline Liner Adjustable (set)		
KS6006	\$	49.95
Contact Print Attachment		
KS6007	Ś	29 95
	•	25.55
Reverse Border Printer		04.05
KS6009	. \$	64.95
Accessories for 20 v 20 M	la	ker
Accessories for 20 x 20 M	la	sker
2" Masking Blade (each)		
2" Masking Blade (each) KS6022		
2" Masking Blade (each) KS6022	. \$	19.95
2" Masking Blade (each) KS6022	. \$	19.95
2" Masking Blade (each) KS6022	. \$	19.95 20.95
2" Masking Blade (each) KS6022	. \$	19.95 20.95
2" Masking Blade (each) KS6022 3" Masking Blade (each) KS6023 Penline Liner Adjustable (set) KS6026 Contact Print Attachment	. \$	19.95 20.95 59.95
2" Masking Blade (each) KS6022	. \$	19.95 20.95 59.95
2" Masking Blade (each) KS6022 3" Masking Blade (each) KS6023 Penline Liner Adjustable (set) KS6026 Contact Print Attachment KS6027 Reverse Border Printer	. \$	19.95 20.95 59.95 37.95
2" Masking Blade (each) KS6022 3" Masking Blade (each) KS6023 Penline Liner Adjustable (set) KS6026 Contact Print Attachment KS6027	. \$	19.95 20.95 59.95 37.95

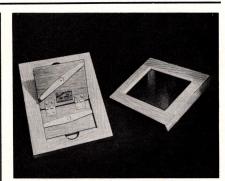


Universal Contact Proof Printer

All metal construction with solid optical glass pressure plate. Takes all film sizes from 35mm to 8 x 10. Built-in negative and paper holder. (b)

CT1020 \$ 15.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Call or write for detailed brochure.

Premier Professional Print Frames

Solid wood construction with spring steel clamps. Assures perfect contact. Hinged pressure back is felt lined. Frame glass is included.

Premier 8 x 10 Print Frame	
PM6500\$	24.95
Premier 11 x 14 Print Frame	
PM6520\$	31.95
Premier 16 x 20 Print Frame	
PM6530 \$	57.95

Focusing Magnifiers



Micromega Critical Enlarging Focuser

Precision focusers for fine, accurate enlarging. Feature a 10-power achromatic Kellner eyepiece consisting of three coated lenses in two groups plus an optical glass disc with an engraved framed rectangle at the focal point. The mirror assembly includes a front surface mirror.

OA7710\$139.95
Omega Grain Focuser
OA7711\$ 69.95
Micro-Sight Enlarger Focusing Magnifier
BR2325 \$ 43.95
Magna-Sight Enlarger Focusing Magnifier
BR2320 \$ 24.95

Thomas Scoponet Enlarging Magnifier

Did You KNOW?

Enlarger Alignment

Enlarger alignment is an often overlooked element of the photographic process. Most photographers are aware of the importance of a top quality enlarging lens; however, the performance of even the best lenses will be greatly diminished if the enlarger is out of alignment. The Calumet Enlarger Alignment Tool is designed to help you accurately adjust the negative stage and the lens stage parallel to the baseboard. This alignment is most important when setting up a new enlarger, but periodic adjustment of all enlargers will assure optimum performance.



Calumet Enlarger Alignment Tool

TIME-O-LITE TIMERS



P-72 Professional Timer

For exact automatic timing of all darkroom work. Pushbutton or remote start with automatic reset, luminous dial, polarized two-wire and ground connections and footswitch capability. Heavy-duty motor with 1000W load capacity. U.L. Listed. TL6710 ... \$74.95
FS-59 Footswitch for P-72
TL6790 ... \$16.95

M-72 Master Timer

With pushbutton start, auto reset and interval and remaining time indicators. Heavyduty motor with 750W load capacity.
U.L. Listed. TL6720\$65.95

GR-72 Enlarging Timer



Unicolor Precision Enlarger Timer

Features:

- Compact 3" x 4" x 6" design
- Outlet Loads: Enlarger, 360W max.; Safelight, 150W max.
- Timing Modes: 0.1 to 99 sec. using the 1X/10X selector switch
- Three-way to start time.

UN6710		\$64.95
Footswitch	UN6780	\$17.95



Doran Time Control Center

Two independent digital timers in one: Nine step programmable process timer with simultaneous enlarger timer. Enlarging range: $\frac{1}{10}$ sec. to 110 minutes. Process range: 1 sec. intervals to 100 minutes each program. Enlarger capacity: 400 watts. Digital count down display. Accuracy: 0.005%.



Beseler Audible Repeating Timer

Electronic timer with .1 to 110 second range and audible tone. Luminous dials and large "print" button, switch for silent or audible operation. Two grounded outlets, one for the enlarger and one for a safelight, each can handle up to 500 watts. Timer can produce beep every second for dodging and burning operations.

BS4500 \$69.95

Foot switch for Beseler Audible Repeating
Timer. BS3133...............\$21.95

Omega CT-20 Enlarger Timer

KEARSARGE TIMERS Model 502 Process Timer

Timing ranges 0 to 99:59.9 seconds in .1 second increments, 0 to 99:59.9 hours in .1 minute increments, accurate to .01 second. Memory allows storage of four different times. One second audio cues are provided for burning and dodging as are 30 second cues for film agitation. Two selectable AC outlet systems are provided allowing convenient control of two independent processes. AC outlets rated 300 Watts timed off, 500 Watts timed on. KR0502 \$314.95

Model 402 Darkroom Timer

Model 301 Enlarging Time Computer

Model 201 Enlarging Timer

KR1452 \$ 21.95

Prices and specifications subject to change without notice.

GRA LAB ENLARGING TIMERS



Model 900 Programmable Timer

The 100% solid state Model 900 timer has nine memory locations which operate independently or link together to create an interacting system. And each memory location allows time entry from 0.1 second to 60 hours—with four programming options.

These options allow forward or backward sequencing, automatic clear and reset, programmed outlet switching, a variety of audio signals and elapsed time count.

There are also two A.C. outlets, manual and automatic outlet controls, recall capability, display brightness controls, and both input and output receptacles for easy linkage with other equipment. Dust and moisture resistant cover.

GL6900 \$299.95



Model 300 Timer

60 minutes time range sets in minutes and seconds. Luminous dial, two outlet receptacles with combination time/focus switch. Buzzer alarm. U.L. Listed. GL6710 \$ 49.95

Model 500 Digital Timer

Times up to 99 min. 59 sec. Auto reset. Red ½" numerals in digital display.

GL6730 \$119.95

Foot Switch for Gra Lab 500.

GL6031 \$17.95

LEKTRA 760 SERIES SOLID STATE TIMERS



TM-762 'Two Decade' Timer

TM-763 'Three Decade' Timer

Exposures from .10 to 111 seconds in tenth of a second throughout entire range. LK0763 \$112.95

Darkroom Safelights





Thomas Duplex Super Safelight

Lights the room almost as brightly as natural daylight. Features sodium vapor light source. Two adjustable flaps act as filters to control the intensity of the light and can be interchanged with others to allow use with X-rays and color printing papers.

DUB Safelight for all black & white printing
materials. TI7500 \$184.95
DUC Safelight for color printing materials.
TI7550 \$184.95
LDS Sodium Vapor Tube.
TI7600
FCD Color Filters. T17650 \$ 23.95



Aristo Cold Light Safelights

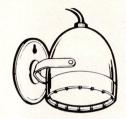
Emit selected and restricted wave lengths of light that will safely illuminate large darkrooms evenly. The filtering is permanently built into the long life cold cathode lamp and never needs replacing. Includes a brass chain set for suspension from ceiling and a 6' three prona line cord.

ance prong mie cora.
Aristo Amber Safelight covers 8'x 8' area.
AI3000
Aristo Amber Safelight covers 10' x 10' area.
AI3005 \$129.95



Osram Duka 10 Safelight

Features a newly developed sodium lamp with a special filter which allows handling black and white and color papers at an astonishingly high light intensity. The Duka 10 special filter emits light in the spectral range between 570 and 610 nanometers—the spectral range color papers are least sensitive to. The intensity of the Safelight can be continuously adjusted so even high speed color papers can be safely handled. Dimensions 9¾" x 5½" x 7¾". Weight 4½ lbs. OS1000\$149.95



Adjustable 51/2" Circular Safelight

Features all metal construction with bracket for mounting to wall, table or ceiling. Includes filter and lamp.

CT2010\$ 29.9	CT2010.					\$	29.95
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Kodak Adjustable 51/2" Circular Safelight

Filter and lamp not included. KK9488..... \$ 44.95



Kodak 51/2" Circular Safelight

For use in wall socket or from a drop socket. Filter and lamp not included. KK9485.....\$ 16.95

Kodak Safelight Filters

Type	Description	51/2"	5" x 7"	10" x 12"
-		\$12.95	\$16.95	\$29.95
OC	Light Amber	KK9502	KK9512	KK9522
1A	Light Red	KK9504	KK9514	KK9524
13	Amber	KK9508	KK9518	KK9528



Globe Safelight

5" diameter completely self-contained, requiring no special fixture or filter. Special bulb filament burns for 2500 hours

Duid Illa	IIICIIL DUIII	3	10	/1	~	 ,	,	,	 0	u	 ••		
Amber	PH6840											\$	14.95
Red D	H6843											Ś	14 95



Fluorescent Safelight Sleeve

Make your fluorescent lights safe for black and white printing.

For 24" tube	AK0600	. \$21.95
For 48" tube	AK0605	\$32.95

Prices and specifications subject to change without notice.



Multi-Purpose Safelight

6' line cord with on/off switch. Includes 15-watt bulb and amber filter. PM6810\$ 21.95

5" x 7" Multi-Purpose Safeliaht

All metal with base bracket for table or wall mounting. Easy change of 5 x 7 filters. 6' line cord with on/off switch. Includes 15-watt bulb and amber filter.

CT2000.....\$ 14.95



10" x 12" Multi-Purpose Safelight

All metal with base bracket for table or wall mounting. Easy change of 10" x 12" filters. 6' line cord with on/off switch. Includes 25-watt bulb and amber filter.

PM6820 \$ 59.95

Kodak 10" x 12" Utility Safelight

Suspends from ceiling for direct or indirect illumination. Provided with support chain and 6' line cord without switch. Filter and bulb not included.

KK9490.....\$53.95

For Fast Delivery, Call Free of Charge



(In Illinois, call: 1-312-860-7447)



Speedmaster® SM1100



Speedmaster® SM1400 Digital Analyzer

Memory for up to 8 programs. "Program Save" retains programs indefinitely when power is out. Sensitivity: .0001 to 40 foot candles. Digital (LED) display. Accuracy: ±.01 density. Probe: 48" fiber optic. 5mm aperture filters: 92, 93, 98, 106 vicual IR. SP1400 ... \$1419.95



Speedmaster SM400 Color Analyzer

The new SM400 now makes available the benefits of Speedmaster color analyzing at an affordable price. Features include: solid state circuitry, fibre cosine corrected optic probe and large 4" illuminated meter. Program read feature assures accurate monitoring and readout SP1090\$499.95



Beseler PM 2L Analyzer



Beseler PM3L Color Analyzer

Solid state design with instant warm-up and large ½" high LED digital display. Uses photo multiplier light detector for high sensitivity. Accepts optical Memory Modules for quick program changes. Low light sensitivity: 0.0002 ft. candles. Filtration display range: -999 to +999 units. Density range is greater than 4.00. Light diffuser included. BS5020...\$399.95



Beseler PM4L Analyzer



Omega SCA 100 Analyzer

Silicon blue cell spot reading analyzer with integrator attachment. Features built-in probe, illuminated meter and instantaneous warm-up. 5mm reading aperture with more than 6 f/stop sensitivity. OA7810 \$139.95



Omega SCA400 Analyzer/Timer

Features tri-cell silicon blue detector probe, four channel simultaneous digital readout of cyan, magenta, yellow and exposure time, and eight programmable push button memory banks. Cosine correction, built-in voltage and temperature stabilization.

OA7830\$1349.95

Dual Footswitch for remote focus/print

capability, with SCA 400
OA7831\$ 39.95



Omega SCA 300 Analyzer

Totally solid state design featuring exclusive tri-cell silicon blue cell detector probe. Unique program recalibration system with digitally accurate reprogramming. Accessory plug-in memory modules, cosine correction, built-in voltage and temperature stabilization, Electrostop,™ and 120 or 230V operation.

Free memory module with purchase of SCA 300.

Densitometers and B&W Analyzers





Photronix Delta-II Densitometer

Now a professional quality black and white transmission densitometer at a reasonable price. 2 Density Ranges 0-1.0, 1.0-3.0 2mm spot light source and probe diameter. Solid state amplifier. Large easy to read 5" meter. Built-in line voltage regulation. Accuracy: ±5%. CDS Light Cell.

AA1302 \$219.95

Processing Guides

Treesbing Canada
Beyond the Zone System CN1002 \$ 14.95
Beyond the Zone System Workbook CN1001 \$ 8.95
Kodak "Z" Manuals
Introduction to Color Process Monitoring KB1800
Process Monitoring for Kodak Black And White Films KB1850 \$ 5.00
Using Process E-6, 2nd Ed. KB1810
Using Process C-41, 2nd Ed. KB1820
Using Ektaprint 2, 2nd Ed. KB1830

Kodak Paper Gray Scales

Approximate Density Range 0 to 1.8 ±	.03
12 Steps. 2" x 10" Uncalibrated	
KB3000\$	15.95
2" x 10" Calibrated	
KB3001\$	34.95
8" x 10" Uncalibrated	
KB3002	43.95
8" x 10" Calibrated	
KB3003	62.95

Kodak Photographic	
Step Tablets	
Uncalibrated #1A 3/4" x 3-3/16"	
Density Range: .05 to 3.05 11 Steps KB3100	19.95
Uncalibrated #2 1" x 5½" Density Range: .05 to 3.05 21 Steps KB3101	25.95
Calibrated #2 1" x 5½" Density Range: .05 to 3.05 21 Steps KB3102	59.95
Uncalibrated #3 35mm x 9%" Density Range: 0.5 to 3.05 21 Steps KB3103	31.95
Calibrated #3 35mm x 9%" Density Range: .05 to 3.05 21 Steps KB3104	67.95

Prices and specifications subject to change without notice.

Speedmaster® P-95 Densitometer

Speedmaster Projection Densitometer accurately and consistently pre-reads negatives without requiring special skills. Projects an 18.5X magnification on a 6"x8" screen for quick accurate spot analysis. Density range: 0-3.00. Accuracy: \pm .01. Repeatability: \pm .01. Spot reading area: .5mm. Voltage regulation: Built-in, Infrared filter: Dichroic (720nm to cut off). Separation filters: #92, #93+CC50-C2 #98.

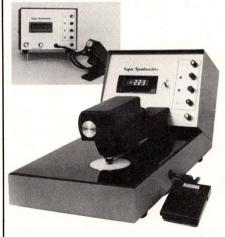
.....\$2199.95 SP1000



Speedmaster® T-85C Densitometer

Transmission densitometer for both photographic and graphic arts. An attractively priced null mode system with interchangeable apertures, and easy to read 7" meter. Density range: 0 to 4.00. Accuracy: ±.02 density. Repeatability: ±.01 density. Aperture size: 2mm standard. 1mm and 4mm optional. Voltage regulation: Built-in. Infrared filter: Dichroic (720nm). Separation filters: #92, #93, #94, corning #9780.

SP1001 \$1099.95



Speedmaster® T-85CD Digital Densitometer. Same specs as T-85C except for large easy to read digital displayfor unsurpassed accuracy.\$1549.95 SP1002

Speedmaster® R-75P Reflection Densitometer now available for photographic applications. Density range: 0 to 2.50 reflection. Accuracy: ±.02 density. Repeatability: ±.01 density. Aperture size: 4.76mm. Infrared filter: 720nm. Filters: #106, #92, #93, #94. Voltage regulation: Built-in.

SP1003 \$ 949.95

Speedmaster® R-75PD Digital Densitometer. Same specifications as R-75P except for large easy to read digital display. SP1004 \$1339.95



Gra Lab Darkroom Computer

Do you use the "Trial and Error" method of determining new exposure times when changing enlargement size or filter packs? The Gra Lab Darkroom Computer can save you time and money by taking the guess work out of exposure changes. This computer will calculate the new exposure time needed when changing magnification, CP color filter pack, variable contrast filters, lens openings, paper speed, paper contrast and paper type. Color filter calculation is not accurate with dichroic filters because of the difference in transmission characteristics from CP filters.

The Darkroom Computer works like a slide rule. One side computes for black and white printing and the other side for color printing. Just indicate on the computer what exposure you used to make the last satisfactory print. The computer will show you precisely how much exposure you need to make the next print in any size. The new exposure times are automatically compensated to eliminate most of the dangers of reciprocity failure.

Gra Lab Darkroom Computer GL5000



Beseler Analite 400

This pre-calibrated B&W analyzer can also be used to get exposure information for color printing. Illuminated dial. Uses 9 volt battery, not included. BS5024 \$69.95

Beseler Analite 500

The Analite 500 represents the most sensitive precalibrated, Multi-Purpose Darkroom Meter available today. Dial in the ANSI paper speed, press the battery saver power switch and the correct time is displayed. The Digital LED display provides direct reading exposure times up to 199 seconds. Uses Gallium Arsenide Photo detector. Powered by 9 volt battery—not included. Calumet Stainless Steel Tanks are manufactured using type 316 photographic grade stainless steel which is corrosion-resistant to most photographic solutions. These tanks are highly polished for easy cleaning. Lifetime construction and low price make them the best value obtainable in photographic processing equipment.

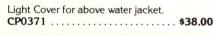
Accessories Available: Hanger racks for easier and more consistent agitation, floating lids to help prevent oxidation that shortens the life of processing solutions, dust covers to help prevent contamination of processing solutions, and a water jacket to control the temperature of processing baths.

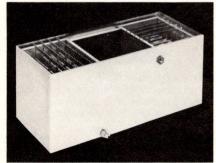


4" x 5" 1/2-Gallon Tank

Tank Inside Dimensions: 4½" x 5½" x 6." Capacity: 12 4" x 5" or smaller films in single hangers.

CF0372 \$34.00
Accessories for 4" x 5" 1/2-Gallon Tank
Floating Lid CP0373 \$18.00
Dust Cover CP0374 \$20.00
Hanger Rack—Capacity: 8 4" x 5" hangers. AY8030 \$22.00
Water Jacket—Outside Dimensions:
6" x 16" x 7½"; includes 2 4" x 5" ½-Gallon
Tanks. CP0370\$164.00



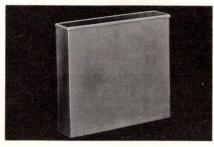


4" x 5" 1-Gallon Tank

5" x 7" 1-Gallon Tank

Tank Inside Dimensions: $4\%'' \times 7\%'' \times 7\%'' \times 7\%''$. Capacity: 12 5" x 7" or smaller films in single hangers.

Accessories for 5" x 7" 1-Gallon Tank
Floating Lid CP0386 \$20.00
Dust Cover CP0387 \$22.00



8" x 10" 1-Gallon Tank

Tank Inside Dimensions: $2\frac{1}{2}$ " x $10\frac{1}{2}$ " x $10\frac{1}{2}$ " x $10\frac{1}{2}$ ". Capacity: 6 8" x 10," 12 5" x 7" or 24 4" x 5" films in multiple hangers.

CP0375 \$48.00

Accessories for 8" x 10" 1 - Gallon Tank
Floating Lid CP0376 \$18.00
Dust Cover CP0377 \$20.00
8" x 10" Saran Print Basket—Capacity:
14 8" x 10" or smaller prints.

8" x 10" 2-Gallon Tank

PI0010 ...

Accessories for 8" x 10" 2-Gallon Tank
Floating Lid CP0366 \$20.00

or 2 8" x 10" print baskets. **AY5520**\$28.00

8" x 10" 31/2-Gallon Tank

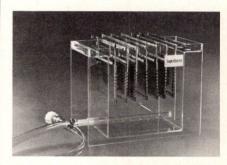


Accessories for 8" x 10" 3½-Gallon Tank

Hanger Rack—Capacity: 14 8" x 10," 19 4" x 5"/5" x 7" hangers or 4 8" x 10" print

baskets.
AY5510 \$29.00

Calumet Sheet Film Washer



Kostiner Sheet Film Washers

For more information on Kostiner products see page 92.

Did You Know?

To process sheet film in a tank, start the timer and smoothly lower the hangers into the developer. Immediately tap or bounce the hangers two times to dislodge air bubbles. Allow the hangers to remain undisturbed for one minute.

Agitate by smoothly lifting the hangers out of the developer and tilt them one quarter turn clockwise and back. Again reimmerse and remove the hangers, rotating them one quarter turn in the opposite direction. Continue this process every minute until development is complete.

Allow the hangers to drain. Then raise and

lower the hangers several times in the stop bath before immersing in the fixing solution. Again raise and lower the hangers several times at the beginning of the fixing cycle and once every minute until fixing is complete. Wash by allowing several complete changes of water. Use a wetting solution before drying to help prevent water spots.

For consistent results, develop the film longer than 5 minutes, and never remove the film from the developer longer than 5-7 seconds during the agitation cycle.

Obtain greater contrast by agitating more frequently during the development phase. Uneven development is usually caused by under agitation rather than over agitation.

Sheet Film Processing Equipment

FILM HANGERS AND REELS



PPI Sheet Film Hangers

Each hanger is made of a solid piece of cast, clear plastic without perforations to assure cleaner, more evenly processed sheet film. These sheet film hangers reduce mottle, edge markings and processing defects. Dimensional characteristics are the same as existing standard metal hangers.

Model P445 Multiple 4"x5" PPI hanger, four
films per hanger. PP0445 \$12.95
Model P257 Multiple 5"x7" PPI hanger, two
films per hanger. PP0257 \$12.95
Model P81 8"x10" PPI hanger, one film per
hanger. PP0810 \$12.95

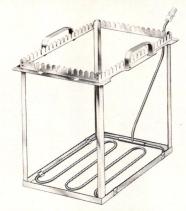
Kodak Stainless Steel Sheet Film Hangers

Officer I min riangers	
S. Steel developing hanger, 8"x10." KK9335	•
S. Steel developing hanger, 5"x7" — 2 up. KK9340	5
S. Steel developing hanger, 4"x5" — 4 up. KK9345)
S. Steel developing hanger, 21/4" x31/4." KK9323	5
S. Steel developing hanger, 31/4" x41/4." KK9326	5
S. Steel developing hanger, 4"x5." KK9329	5
S. Steel developing hanger, 5" x7". KK9333	5

Did You Know?

PPI hangers can be used for processing sheet film in a tray. Simply load the sheet film in the usual way, put the hanger or hangers in a tray film side up making sure there is sufficient developer to cover the film. Agitate by rocking the tray one way then the other at the recommended agitation intervals (usually once every minute). It may be desirable to cut the handle off which will allow use of a smaller tray.

Prices and specifications subject to change without notice.



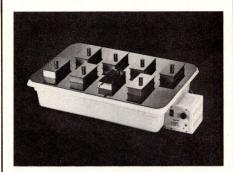
Reel & Hanger Racks **For Calumet Processors**

3½ gal, hanger rack, capacity of 14-8x10 or

3½ gal. hanger rack, capacity of 14-8x10 or

19-4x5/5x7 AY5510..... \$ 29.00

19-4x5/5x7 with distributor.*
AY5515\$108.95
2 gal. hanger rack, capacity of 7-8x10. AY5520 \$ 28.00
2 gal. hanger rack, capacity of 7-8x10 with distributor.* AY5525 \$ 93.95
3½ gal. reel rack, capacity of 30-35mm or 18-120/620. AY5540 69.95
3½ gal. reel rack, capacity of 30-35mm or 18-120/620 with distributor.* AY5545
2 gal. reel rack, capacity of 15-35mm. AY5550 \$ 60.95
2 gal. reel rack, capacity of 15-35mm or 9-120/620 with distributor.*
AY5555\$126.95
3½ gal. reel rack, capacity of 9-220mm. AY5560
3½ gal. reel rack, capacity of 9-220mm with distributor.* AY5565\$156.95
*Distributor is attached, includes: feeder



hose and male quick disconnect fitting.

G & G Developing System

Features constant temperature water bath with plastic lid to hold tanks in place, stainless steel tanks and plastic tank covers. Capacity 4-4 x 5 sheets, uses 32 oz. solution.

Model 350-4R 4-S.S. tanks 21/2"	x 5½" x 5¾"
deep. GG7000	\$430.00
Model 450 8R 8-S.S. tanks 21/2"	x 5½" x 5¾"
deep GG7050	\$510.00



HP Combi Plan T 4x5 **Daylight Processor**

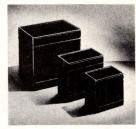
Ideal for location processing or where space is at a premium. Works like a roll film daylight tank. Processes up to 6 sheets of 4x5 film. Requires only 35 oz. of chemicals. Includes tank, light tight lid, negative carrier with loading guide, funnel, 2-hose connectors with stoppers. HC1000 \$32.95 HP Combi Plan T Tank Only without pouring spout. HC1050 \$13.95

HP Combi Plan L Lab Processor

Similar to the Combi Plan T except cover does not contain pour spout. Includes tank with cover, negative carrier (6-4x5) with loading quide 1-screw in stopper. HP Combi Plan Super Tank with light tight

non-spill lid, 5x7 negative carrier with film guides and divider plate for 12-4x5 sheets. HC1020 \$55.95

Call for prices on extra tanks and accessories.



Kodak Hard Rubber Tanks

Nodak mard Rubber lanks
4"x5" ½-Gal. takes six 4"x5" or smaller
Kodak film and plate developing hangers, No.
4A, or eight Kodak sheet film developing
hangers No. 6. KK9410 \$12.95
5"x7" 1-Gal. takes eight 43/4"x61/2" or 5"x7"
Kodak film and plate developing hangers.
KK9420 \$15.95
8"x10" 31/2-Gal. takes twelve 8"x10" or twenty
5"x7" Kodak film and plate developing
hangers. KK9430 \$39.95
4x5 floating lid.
KK9470 \$ 5.30
5x7 floating lid.
KK9471 \$ 6.80
8x10 floating lid.
KK9472 \$ 7.95
Cesco 8x10 tank 3½ gl. with cover. Plastic. CS8000 \$27.95
C30000 \$21.33

Roll Film Processing Equipment





G & G Developing System

Film processing system features multi-reel processing with automatic agitation and temperature control for use with B & W and color processes. All processors include a pulse timer which adjusts the agitation cycle and duration, light tight power head with reel holder, constant temperature water bath with plastic lid to hold tanks in place, stainless steel tanks and plastic tank covers. Optional Graylab timer





Film Washer for Filr	n Drum II.	
UN8315	\$	6.95
Plastic 35mm Reels	s. UN7560\$	4.50
Plastic 120 Reels.	UN7562 \$	4.95
Plastic 110 Reels	(IN7564 \$	4 95



Kindermann Stainless Steel Developing Tanks

Fast, efficient, internal flow control saturates all the film instantly for even development. Leak proof, snug-fitting PVC tops for immersion agitation, corrosion-proof, tank is made of super quality nickel stainless steel. Tanks do not include reels.

Tank for 1-35mm reel.	KD2000\$	16.95
Tank for 2-35mm or 1-1 KD2010		18.95
Tank for 4-35mm or 2-1 KD2020		42.95
Tank for 1-220mm reel KD2030		64.95
Tank for 2-220mm reel KD2040		89.95
Tank for 1-70mm reel (KD2050	-,-	09.95

Kinderman Stainless Steel Developing Reels

35mm reel.	KD1000	\$ 11.95
120mm reel.	KD1010	\$ 11.95
220mm reel.	KD1020	\$ 27.95
70mm reel.	KD1030	\$139.95

Kinderman Film Loaders

35mm loader.	KD1050\$	4.95
120mm loader.	KD1060\$	5.95



Calumet Stainless Steel Developing Reels

S. Steel developing reel—35mm film	
CP9075\$	4.00
S. Steel developing reel—120mm film	
CP9076\$	4.25
S. Steel developing reel—220mm film	
CP9077\$	7.00



Omega Stainless Steel Tanks and Reels.

35mm/126 developing tank with reel	
OA8327 \$	8.95
120/620 developing tank with reel	
OA8333	1.95
120 developing tank with 2-35mm reels	
OA8335	3.95
110 reel only	
OA8415 \$	4.95
35mm/126 reel only	
OA8425 \$	4.50
120/620 reel only	
OA8435	4.50
35mm/126 developing tank only	
OA8325 \$	7.95
120/620 developing tank only	
OA8330 \$	8.95
Multiple developing tank 7" only	
OA8340 \$1	5.95
Multiple developing tank 12" only	
OA8345	9.95



HP Combi Developing Tanks

Features leak proof bayonet mount lid. Special designed mixing area and spiral reel ensures evenly developed film and large air-vented, funnel-shaped opening in lid permits rapid filling and fast, complete draining.

Combina compact tan	k with 1-35m	m re	el and
automatic loader. HC	3000	. \$	8.95
Combina compact tan	k with 1-120r	nm r	eel
and automatic loader	HC3010	Ś	8.95

Prices and specifications subject to change without notice.

Graduates and Thermometers





Nalgene Polyethylene Storage Tanks

Nalgene Polyethylene Tank 5 gallon with dust cover NG0050 \$15.9	95
Nalgene Floating Lid NG0052 \$15.9	95
Nalgene Polyethylene Tank 15 gallon with dust cover NG0150 \$27.9	95
Nalgene Floating Lid NG0152 \$16.9	95
Nalgene Polyethylene Tank 30 gallon with dust cover NG0300 \$41.9	95
Nalgene Floating Lid NG0302 \$18.9	95
Faucet, self closing, non-corrosive, %" IPS (free installation when purchased with tank) NG1000 \$10.0	
	,,



Kodak Darkroom Graduates of lightweight, shatterproof polyethylene. Splashproof edge. Marked in ml or oz graduations on both sides.

0-02.	M3473	3.30
16-oz.	KK9477 \$	4.50
32-oz.	KK9480 \$	5.50
	Cups—set of 8 polypropylene	

graduates marked in U.S. ounces and ml'.s ½ oz., 1 oz., 3 oz., 5 oz., 8 oz., 12 oz., and

Filter Funnels — thick white polyethylene with fine-mesh stainless steel filter.

8 oz. size	BR9110	 \$	2.50
16 oz. size	BR9112	 \$	2.95
32 oz. size	BR9114	 \$	3.95
64 oz. size	BR9116	 \$	4.95



Calumet Graduates and Mixing Beaker

Mixing Beaker, 1 gallon, stainless steel VL9030	\$25.95
128 oz. Graduate Stainless Steel. AY0440	\$59.00
64 oz. Graduate, stainless steel VL9020	\$19.95
32 oz. Graduate, stainless steel VL9010	\$15.95



Film Clips

With two regular and two lead weighted stain-				
less steel clips.	MS7598		\$	2.25

Richard Clipex holds film, paper, and a multitude of objects securely. Will not perforate film, rust or corrode.

Pkg. of 8 RI8500 \$ 5.95

Stainless Steel Film Clip

Professional Print Squeegees of durable high impact styrene with multiple extension blades. Assures consistent quality results.

Premier 12" PM8812 \$ 4.95

Sponge Film Wiper—Two fine viscose sponges (replaceable) and aluminum handle.

BR9075 \$ 3.25

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Omega CF-20 Digital Thermometer

Features: Digital L.E.D. display in degrees F or C, with chemical and impact resistant probe. Range: -58°C to 199°F. Accuracy: ±0.25°F from 59°F to 140°F. Power: 4 "AA" alkaline batteries (not included).

OA8500 \$69.95



Kodak Thermometers



Process thermometers precision made "standard of the industry." Dual scale, 12 to 60°C and 55 to 140°F ±0.25 degrees F. Glass in stainless steel sheath.

KK9496 \$49.95

Unicolor Thermometers

Unitemp stainless steel dial thermometer.

Calibrated in one degree increments in F&C scales.

UN7910 \$ 9.95

Protemp Thermometer—Large 2½" luminescent dial. Adjustable needle for calibration. Dual scale.

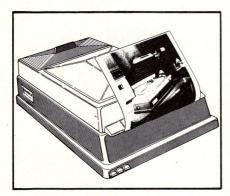
UN7913 \$15.95

Weston Dial Thermometers

 $3^{\prime\prime}$ diameter—dual scale $6^{\prime\prime}$ spiked stem accuracy \pm 0.25°F.

BR8210 \$24.95





Durst RCP-20 Processor

Table-top roller transport automatic process for Kodak Ektaprint or similar processes as well as most black and white chemistries. The RCP-20 can process paper ranging in size from 2¾x4 in. up to 8x10 at a rate of 20 8x10's an hour with continuous feed. Thermostatically controlled tempering system and developer recirculating pump insures uniform, consistent development. Process time for 8x10 approximately 7 minutes—external rinse necessary. Compact size for small darkrooms 33″x17″x8″.

DR1000 \$1049.95



Durst RCP-40 Vario Processor

The RCP-40 is designed for professional heavy-duty use and is suitable for all current negative-positive color print processes. Different working temperatures for various processes may be set by two independent thermostats for the developer and bleach fix. Two independent chemical recirculating pumps for consistent agitation. Variable speed. 16x20 maximum print size. Production rate: 10 16x20 per hr. or 40 8x10 per hr. Process time for 16x20 approximately 9 minutes—external rinse necessary.

DR1200 \$2964.95



Beseler Auto 16 Processor

The Beseler Auto 16 Processor is a 4 bath tabletop continuous feed type processor capable of handling any 2 step color negative print process, any black & white print process, and any reversal color print process, with step 3 done outside the processor. The 1st & 3rd baths have infinite temperature control selectable from 20° to 49.9° C ±1° C, with LED digital display of temperatures; the 2nd & 4th baths can, if desired, be connected to running water, in which case the print will emerge from the processor ready to dry. Replenishment of baths 1 & 3 can be maintained from outside of the unit with no need to interrupt the process. Transit speed is continuously variable from 5.5 to 55 cm/min. Developing time in bath 1 is variable from 30 to 300 seconds. A built in suction fan eliminates condensation problems found in other processors. An optional print dryer mates to the Auto 16 processor yielding a total dry to dry time of 11 minutes for a 16 x 20 C print. Capacity of all baths is 4 liters.

BS8100 \$3699.95



Beseler Equipment

Motor Base Agitator. Eliminate tedious hand agitation of your processing drum. Exclusive Stabilizing Bands prevent larger drums from "walking." Two prs. Stabilizing Bands included with motor base.

BS4025 \$62.95

Deluxe Motor Base Agitator. Chemically impervious injection molded cabinet. High torque motor with integral cooling fan. Dual operation modes provide the option of continuous (one direction) agitation or automatic intermittent reversing action.

BS4030 \$79.95

Color Print Processing Drums. These drums use the smallest possible volume of chemistry (only $1\frac{1}{2}$ oz. in the 8"x10" drum).

8"x10" drum BS4005	\$22.95
11"x14" drum BS4010	\$34.95
16"x20" drum BS4015	\$56.95



Unicolor Print and Film Processors

Unidrum II Color Print Processors for processing prints in room light. Can be agitated manually or automatically.

8"x10"	UN7610	 \$18.95
11"x14"	UN7612	 \$34.95
16"x20"	UN7614	 \$51.95

Uniroller II Reversing Agitator for all Unicolor Unidrums. UN7630 \$63.95

For Fast Delivery, Call Free of Charge



(In Illinois, call: 1-312-860-7447)

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

For Size

Material

11"x14"

14"x17"

16"x20"

18"x22"

20"x24"

22"x28"

26"x30"

30"x40"

11"x14"

14"x17"

16"x20"

Calumet Stainless Steel Trays

These Type 316 Stainless Steel trays are heliarc welded, ground, polished and passivated so that the finished tray is one piece seamless construction. Easy to clean, resists stain and provides highest temperature conductivity. Sides are tapered for easy nesting for storage. Calumet trays give you years of quality performance...can't chip or crack.

Available in 12 sizes to fit standard material size—other sizes can be made to your specifications. Prices on request.

Dimension at Bottom

12"x15"x3" deep

15"x18"x3" deep

17"x21"x3" deep

19"x23"x3" deep

21"x25"x3" deep

23"x29"x3" deep

27"x31"x3" deep

31"x41"x3" deep

12"x15"x6" deep

15"x18"x6" deep

17"x21"x6" deep

21"x25"x6" deep

	-	
1		

Outside Dim.

at Top

13"x16"

16"x19"

18"x22"

20"x24"

22"x26"

24"x30"

28"x32"

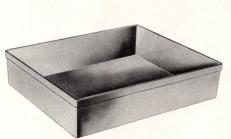
32" x42"

14"x17"

17"x20"

19" x23"

23"x27"



Cat. No.

AY7010

AY7015

AY7020

AY7025

AY7030

AY7035

AY7040

AY7050

AY7055

AY7060

AY7065

AY7045



Tray Ladders

Price

\$ 49.00

\$ 54.00

\$ 62.00

\$ 67.00

\$ 82.00

\$105.00

\$118.00

\$181.00

\$ 67.00

\$ 72.00

\$ 78.00

\$109.00

Conserve space, stack three developing trays in the space of one with tray ladders. Manufactured with epoxy coated, zinc plated steel and designed for use with all trays. Stores flat.

For 3-11x14 or smaller trays.	
AY0455	\$28.00
For 3-16x20 or smaller trays.	
AY0456	. \$40.00



Kostiner Stainless Steel Tongs

A set of three tongs specifically designed to prevent emulsion damage or scratching. If excess finger pressure is applied, the tongs will release. KS5000 \$16.95

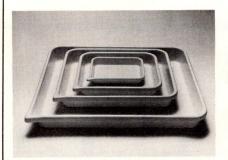
Stainless steel "ball point" print tongs. 7" long pair CS7530 \$ 2.95



TRAYS

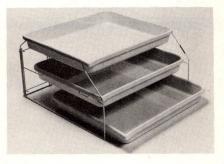
Cesco-Lite Trays. Fully seamless, white, heavyweight, high-impact plastic trays. Maximum corrosion resistance—58% solution of acetic acid. Safe for normal photo processing.

P		
5"x7"	CS7505	\$ 2.95
8"x10"	CS7510	\$ 4.75
10"x12"	CS7512	\$ 7.95
11"x14"	CS7513	\$ 8.95
14"x17"	CS7514	\$13.95
16"x20"	CS7515	\$17.95
18"x22"	CS7516	\$27.95
20"x24"	CS7517	\$30.95
23"x28"	CS7518	\$40.95
Cesco-L	ite Deep Hypo Bath Tray	S
11"x14"	CS7520	\$17.95
16"x20"	CS7521	\$27.95
20"x24"	CS7522	\$40.95
22"x28"	CS7523	\$51.95
Cesco-L	ite Dimple Bottom Trays	
8"x10"	CS7525	
11"x14"	CS7526	\$ 9.95



Kodak Duraflex Trays. Fully seamless, heavyweight, high-impact plastic trays. Maximum corrosion resistance—58% solution of acetic acid. Safe for normal photo processing.

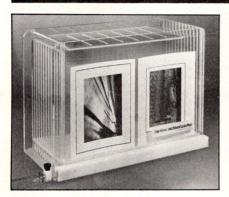
For print size 5"x7". Tray size—
91/8"x71/8"x13%." KK9727 \$ 4.75
For print size 8"x10." Tray size—
131/8" x111/4" x2." KK9730 \$ 8.50
For print size 10" x 12." Tray size—
15¾"x13¾"x2¼" KK9732 \$11.95
For print size 11"x14." Tray size—
17½"x14½"x2½" KK9734 \$15.95



For print size 16"x20." Tray size— 23¾"x19¾"x2¾." KK9736	\$28.95
For print size 20"x24". Tray size— 281/2"x243/4"x24". KK9738	\$47.95

Richards Tray-Raks. Heavy gauge, corrosion-resistant, white vinvl coated racks cut counter space needs by 3. Store flat when not in use.

Holds 3 11"x14" or 3 8"x10" trays.	
RI7510	24.95
Holds 3 16"x20"; 3 20"x24"; 3 14"x17	"
or 3 11"x14" trays. RI7515 \$	29.95



Kostiner Archival Print Washers

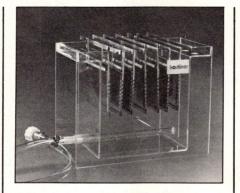
Maximum print permanence with minimum water use. Kostiner washers are acclaimed by some of the world's finest photographers. In our opinion, they are the best constructed archival type washers available. Air turbulated water keeps prints continuously floating with no sticking together. Low water consumption. The washers will operate effectively at a minimum flow rate of one gallon per minute.

Kostiner 11x14 Archival Print Washer

Kostiner 16x20 Archival Print Washer

KS1500	\$450.00
Kostiner 20x24 Archival Print Wash	
Out of sink attachments for table to 11x14 out of sink attachment. KS1005	
16x20 out of sink attachment KS1505	\$ 75.00

KS1000 \$350.00



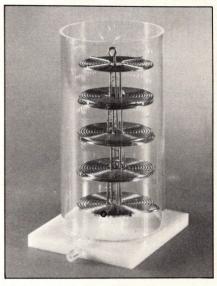
Kostiner Sheet Film Washers

Conventional sheet film washers allow air bubbles to collect on the film which can cause residual hypo to remain even after thorough washing. The Kostiner sheet film washer uses an air turbulated concept which prevents air bubbles from collecting on the film assuring a better, cleaner archival wash.

Water flows through the adjustable air turbulator valve and into the washer. A specially designed tube distributes the water evenly and efficiently to all parts of the washer. Includes 4-foot hose with standard garden hose connector.

4 x 5/5 x 7 Washer—capacity 15-4" x 5" or 12-5" x 7" hangers

8 x 10 Washer—capacity 20-8 x 10" hangers KS3005 \$95.00



Kostiner Frusto-Conical Negative Washers

Designed specifically for roll film. Its large 4½" inner diameter accepts 35mm, 120 and 220 reels of stainless steel or plastic. The Frusto-Conical water dispersion system provides perfect water distribution with the correct amount of agitation over the entire negative surface.

7" Tall Frusto-Conical Washer KS4000 \$29.50 13" Tall Frusto-Conical Washer

Film Washers





Wat-Air Film Washers accepts film on reels. Reduces "wet time," removes hypo from wash in 4 min. Built-in filter, clear vinyl hose. For Nikor type steel reels. 435 4-35mm reels (or 2-120)

PF8310 \$23.95 835 8-35mm reels (or 4-120) PF8312 \$31.95



Doran Aqua/Vac Washers

Optimum washing for maximum permanence of roll film. Accepts 35mm, 120-220 reels up to 4" in diameter. Differs from other washers, because vacuum syphon-action automatically

empties from the bottom of the washer instead of overflowing.

Aqua/Vac for 5-35mm Reels or Equivalent DN1000..... \$29.95

Agua/Vac for 10-35mm Reels or Equivalent DN1500.....\$39.95

For Fast Delivery, Call Free of Charge



1-800-323-2849

(In Illinois, call: 1-312-860-7447)

Print Washers & Accessories





Calumet Automatic Print Washer

A fully automatic, motor powered print washer that washes faster while using less water. Prints wash faster because the Calumet Print Washer surrounds each print in a small volume of continuously fresh water. A wave action and hydraulic jet from the bottom shuffles the prints continuously, lifts prints off the bottom and flows water between the prints. Small air bubbles introduced into the wash water act as a lubricant to prevent print sticking. Prints are always in motion and separated. The combined air, wave and hydraulic jet action washes prints in 25 to 45 minutes, depending on the number of prints in the washer. Up to 125 8" x 10" prints may be washed at one time.

- Uses less water—approximately 2 gal. per minute as compared to equal capacity drum washers using 5 or more gal. per min.
- Automatic cycling—a timer with 0 to 60 minute adjustments turns on the water, starts rocking motion and hydraulic action
- Stainless steel 24"x30" interior
- ½" water inlet with automatic 2 gal. per min. flow control valve
- 120V, 60-cycle gear reduction motor
- 11/2" I.P.S. stainless steel drain fitting
- Total height from floor is 37½." Outside dimensions are 28"x34."

Model 515 Automatic Print Washer
AY9100 \$849.00

Model 516 Automatic Print Washer with
plumbed backsplash. AY9110 \$1199.00



Testrite Print Washers



16x20 Rapid Print Washer

Water is forced through numerous jets that constantly flow water through the washer to separate and wash both sides of the prints. Excellent for RC papers. Accepts up to $10-16 \times 20$ prints. Stainless steel construction with $1\frac{1}{2}$ " bottom sink drain. Includes 3' intake hose.

AK0210\$119.95



Richard Print Washers of smooth white, industrial plastic. Efficient design with whirlpool action and center sump; no moving parts or plumbing necessary. Saves time and water.

Utility 24" Washer w/capacity for 100 or more 8"x10". All sizes to 14"x17". \$ 93.95

Professional 30" Washer w/capacity for 125 8"x10," also takes 16"x20." **\$118.95**



Kodak Automatic Tray Siphon converts ordinary tray into print washer. Keeps prints in motion and separated. With faucet connector and 3' of 3%" rubber tubing. KK9473\$21.95

Prices and specifications subject to change without notice



Doran Loadmaster Print Washer

Perforated drum rotates constantly by water power. Accepts 75 (8x10) prints. Prints washed thoroughly in minutes—do not matt together on drum. 100% stainless steel with brass fittings. Bottom hose for self draining into sink. Size: 193%"x15"x13." One gal. per min. 6 changes per hour.

For Fast Delivery, Call Free of Charge



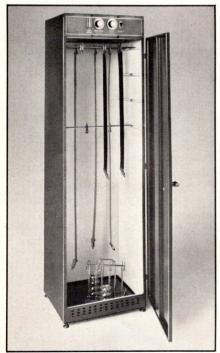
(In Illinois, call: 1-312-860-7447)



The DSA/Senrac dries roll film right on your stainless steel processing reels in as little as 2 minutes. Filtered, temperature controlled air sweeps film dry without dust or drying marks. Features built-in 10 min. timer with bell, warm or cool switch with internal thermostat, corrosion resistant construction with washable filter, weight 18 lbs., height 24," 115 volts, 615 watts with 8' power cord, capacity 3-120mm or 5-35mm reels or combination up to 8½." Includes wall mount.

AA3500		\$245.95
Dealessant Cita	- f- DCA film	duran

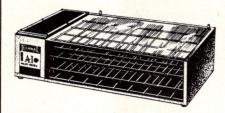




The MFD 1 Film Dryer

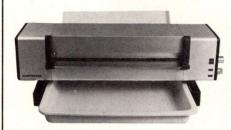
Dimensions: 24" x 24" x 80" outside, electrical 15 amps, 115 volts, fan only 1 amp, weight 150 lbs., uses standard 16" x 20" x 1" furnace filter.

MFD 1 Film Dryer with rods and brac	kets
AY0451	\$830.00
Optional Print Rack for MFD 1. Set of	four.
AY0453	\$ 45.00



Bogen RC Print Dryer

Optional Film Dryer Racks convert A-1 print dryer into a film dryer. Five piece kit for roll or sheet film up to 4" x 5."

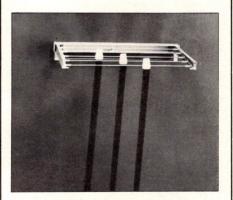


Ilford—Ilfospeed 5250 Finisher/Dryer

The Ilfospeed 5250 Finisher/Dryer has been specially developed to dry and finish RC photographic papers.

The 5250 can handle prints up to $20'' \times 24''$ at the rate of 500 8" $\times 10''$ s per hour.

IL9050 \$1,995.00



Collapsible Film Drying Rack

Compact film drying rack opens to expose 5 retractable plastic coated steel rods that are 28 inches wide. Closed, it is an attractive, slim wall mounted towel rack.

RT1000 \$ 29.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Arkay Print Dryers

RC1601 Table Top Air impingement RC dryer accepts cut sheets up to 16'' wide. Features fixed print travel and speed. Capacity 240 $8'' \times 10''$'s per hour.

AK0310 \$951.95

RC2000 dryer for prints up to 20" wide. Capacity 300 8" x 10"'s per hour.

AK0312 ***\$1122.95

Loader Conveyor—Provides-positive auto-

matic multiple print feed.
LC-16 for RC1601 **AK0330.....\$267.95**

LC-20 for RC2000 **AK0332..... \$308.95**

Arkay Dual Dri 150

Conventional fiber base paper dryer with 22" wide chrome plated stainless steel drum.

AK0300 \$\cdot\text{AK}\text{99.95}\$

Falcon RC Print Drying System—For B/W or color (RC) prints. Drying rack holds eight 5" x 7," 8" 10" or 11" x 14" prints with vinyl covered wires at angle.

FA8310 \$ 32.95

Extra drying rack

FA8340 \$ 10.95

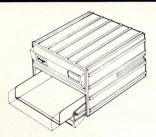


Warner Stak-Rak RC Drver

Large capacity. Holds up to 18-11" x 14" prints, 38-8" x 10"'s and more 5" x 7" size. Compact cube design saves space. Shrink pak kit 14" x 5" x 3." Air circulates to both sides of prints. Hardwood frame with nylon cord. Assembly required.

KT6050 \$ 24.95

Darkroom Accessories



Soligor Paper Safes

The Soligor Store 'N Feed Paper Safes provide convenient, economical, protective storage of all photographic papers. The spring loaded access door dispenses one sheet at a time and prevents inadvertent fogging. The unit features modular construction which allows one unit to be stacked on top of another.

8" x 10" Single drawer, 100 s/w sheets or
50 d/w sheets. IP1000 \$21.95
8" x 10" Double drawer, 200 s/w sheets
or 100 d/w sheets. IP1005 \$31.95
11" x 14" Double drawer 200 s/w sheets
or 100 d/w sheets. IP1010 \$51.95



Premier Paper Safes

Modern square design with adjustable shelf dividers. Incl. printed labels.

PS-81 for 8" x 10"	PM6910	\$53.95
PS-114 for 11" x 14"	PM6915	\$64.95



Doran Paper Safes

Positive light-tight protection. Easy open/ close with positive lock. Tilt top fans paper for easy sheet removal. 2" deep.

,		
8" x 10"	AK0100	\$18.95
12" x 16"	AK0110	\$22.95
16" x 20"	AK0120	\$37.95



Testrite Vignetter No. V2



Falcon Dust-Off Pro System

Includes 32 oz. size can of Dust-Off, 6' extension hose with special nozzle and trigger mechanism, and wall/countertop bracket for can.

FA7140 \$39.95
3202 replacement can.
FA7141 \$ 8.95
Falcon Stat-Off Spray
Produces ionic charged blast of air.
FA7150 \$26.95
Stat-Off adapter for standard nozzle.
FA7151 \$15.95

Dust-Off

No. FG Dust-Off (14 oz.).

Removes dust and lint on negatives and lenses, in cameras, enlargers and projectors. Variable control, leaves no smudges or scratches.

FA7110	\$1	7.95
No. FG·R Dust-Off Refill (14 oz.). FA7113	\$3.95	5/ea.
FA7120 \$4	1.95	doz.
No. FG-J Dust-Off Junior (8 oz.). FA7111	\$	3.95
No FGP Pocket Dust-Off (2 oz.). FA7112	\$	2.25
No. FGN Extension Nozzle. FA7125	\$	3.95

Dust Off II

Dust-Off if flozzle with one can of all.
FA7160 \$19.95
Refill can for use with Dust-Off II nozzle only
FA7161 \$3.95 ea.
FA7162 \$41.95/doz.

Generic Canned Air

For Dust-Off and similar nozzles.
CT4010 \$ 2.95 ea.
CT4020 \$31.95/doz.

Spot-Lite Glow-In-Dark Tape

Pressure sensitive phosphorescent vinyl tape glows in total darkness after exposure to any type of light. No radium. Non-toxic. Hundreds of darkroom uses. 1"x5 yds. kit.

KT0350 \$5.95

Gaffer's Tapes. Extra strong gray plastic base. 2" x 30 yds. KT0363 \$5.95

2" x 60 yds. KT0364 \$ 9.95



Ban Dust Air Compressor

Supplies an unlimited supply of clean, forced air and will not give negatives a "freon bath" or run out of air in the middle of a printing session.

The economical and ecological Ban Dust compressor is activated by simply depressing the air valve trigger and shuts off when the trigger is released. Strength of air flow is controlled by finger pressure.

As with any air compressor, noise and vibration are factors and should be considered when installing the unit.

Unit is a compact 5¼" x 8¼" and includes 8′ flexible extension hose dusting gun and air brush attachment. Accepts the Falcon stat-off accessory to remove static electricity from negatives.

AR4500 \$179.95

RC Data Marker

Nite Writer Pen With Light

Write in darkroom without turning on overhead lights. ID1005 \$9.95



Staticmaster Brushes

Features polonium strip that neutralizes and eliminates static electricity. With replaceable cartridge.

9		
1" Model. BR8830	\$	8.95
1" Replacement Cartridge.		
BR8831	\$	5.50
3" Model. BR8832	\$1	7.95
3" Replacement Cartridge.		
BR8833	\$1	1.95
Connector for joining 3" models.		
BR8835	Ś	1.95

Ace Lite Step Koralite Darkroom Mats



These anti-fatigue mats are completely shock absorbent to cushion all types of floor surfaces. Made entirely of closed cell vinyl that will not absorb darkroom liquids.

3/8" thick Koralite

Black 24" width per ft. AC1010 ... \$ 8.50
Black 36" width per ft. AC1015 ... \$12.75
Brown 24" width per ft. AC1030 .. \$ 9.00
Brown 36" width per ft. AC1035 .. \$13.50

Note: Please specify length in feet when ordering. Example: 5' AC1030 would be a 5'x24" brown mat, 3%" thick with total cost of \$45.00.



Metro Utility Carts

Metro Utility Carts are perfect for moving props, products and shooting accessories like film holders, focusing cloth and light meter, conveniently to the set. These heavy duty carts are highly maneuverable and can handle a large volume of material safely and efficiently.

Metro Carts include a one piece handle donut bumpers and casters. The 18" wide carts have 4" casters and are 38" high floor to handle. The 24" wide carts have 5" casters and are 39" high floor to handle.

Carts are transported disassembled and can be shipped by U.P.S. Assembly is easy and does not require special tools. Simple illustrated instructions are included.

Metro Utility Cart with 2-18" x 36" solid stainless steel shelves

MT4000 \$279.95

Metro Utility Cart with 1-18" x 36" solid stainless steel shelf and 1-18" x 36" chrome plated wire shelf

MT4005\$179.95

Metro Utility Cart with 2-18" x 36" chrome plated wire shelves

MT4010 \$129.95

Metro Utility Cart with 2-24" x 36" chrome plated wire shelves

MT4015 \$149.95

Metro Utility Cart with 3-18"x 36" chrome

plated wire shelves

MT4020 \$159.95



Speedmatic Revolving Darkroom Door

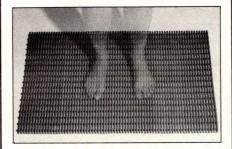
Provides light-tight, easy access to and from any type darkroom without stopping film and paper processing or other activities requiring a dark environment.

Shipped completely assembled for fast installation. 2W36 model fits in any standard 3' door opening. Furnished with specially designed breakaway hardware for emergencies and for moving large pieces of equipment in and out.

Constructed of sturdy high impact polystryrene with steel reinforced supporting members. Easy rotation from either direction facilitated by ball bearing center suspension and lower guide.

Model	2W28	2W36	3W48
Overall Ht.	821/4"	821/4"	821/4"
Wall Opening Ht.	80"	80"	80"
Wall Opening Wth.	29"	36"	491/2"
Overall Dia.	28"	35"	463/4"
Inside Dia.	251/2"	321/2"	45"
Inside Ht.	743/4"	743/4"	743/4"
Entrance	18"	20"	20"
Door Wt.	157 lbs.	187 lbs.	225 lbs.
Crated Wt.	203 lbs.	233 lbs.	265 lbs.

Note: Revolving doors are shipped by truck freight collect.

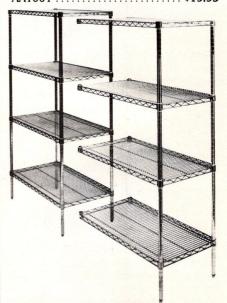


Air Tread 49A Floor Mat

Aztec Darkroom Heater and Film Dryer



Aztec Darkroom Heaters are designed to provide "personalized comfort" by producing gentle radiant heat which warms people and objects directly without wasting energy to heat the air. Radiant warmth is silent and does not stir up dust as forced air heaters do. Aztec heaters do not emit light. The 14"x45"x1" heaters can be wall mounted vertically or horizontally, and are silicone sealed to resist humidity. (Ising only 375 watts, they cost only pennies an hour to operate.



Metro Shelving System

The Modern modular Metro Super Erect Shelf shelving system provides unlimited versatility for all your storage needs. Metro shelves have a sparkling polished chrome finish and an open design to minimize dust accumulation. Metro shelves can be assembled in minutes without the use of special tools.

Metro Super Erecta Shelf unit with 4 shelves and posts 18" x 36" x 63" H.

Metro trademarks and patents are property of Metropolitan Wire Corporation. Metro Shelves can be shipped by (J.P.S.





Digital Thermometer/Monitor

Addition	al Probes								
Clip on	GG4060								\$

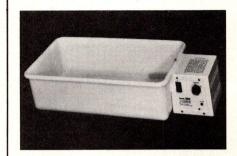


Supertemp Control MK III

Water temperature recirculators for accurate temperature control of water jackets.

Range: 70° to 125°F Control: Within 4° of ambient Temperature Limiting: 130° Built in

Temperature Limiting: 130° Built in
Model 100 170 Gallons per hour—750 watts GG1000
Model 100D (for chemical recirculation) GG1050 \$220.00
Model 200 200 Gallons per hour—1500 watts GG2000
Model 200D (for chemical recirculation)

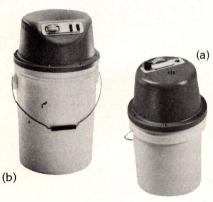


G & G Constant Temperature Water Baths include plastic tray with heater, circulating pump and temperature control unit. Temperature range 65° to 110°F (depending upon ambient room temperature). Accuracy 0.1°F.

Silver Recovery Systems

27.50







The increasingly higher price of silver now makes silver recovery advantageous for nearly all professional labs and amateur darkrooms.

X-Rite Silver Recovery Systems

From the most sophisticated, high volume recovery requirements down to the smallest lab application.

X-Rite Model 601 (a)

For manual and batch systems

- Tank size: 2 gallons, not for bleach
- Recovery rate: .125 (1/8) troy ounce per hour
- "Oil Can" Cathode Disc
- Compact, solid state with overload protection, continuous duty, variable current control.

XR2000\$274.95

X-Rite Model 603 (b)

Ideal for small to medium size labs

- Tank size: 5 gallons, not for bleach
- Recovery rate: .375 troy ounces per hour (3 amps)
- 3 Removable Discs
- Solid state with multiple current selection

X-Rite Model 610 (c)

A mid-size unit for both fixer and bleach

- Tank size: 10 gallons
- Recovery rate: 1.25 troy ounces per hour (10 amps)
- 8 Discs
- Short circuit protection
- Removable cathode



Silver Magnet Silver Recovery Unit



Eliminate time consuming adjustments in mixing hot and cold water for proper temperature. Calumet's temperature controls mix and regulate output temperature and hold it to ½° of the desired setting. They feature an accurate dial thermometer and a thermostatic motor. Each temperature control includes thermostatic valve, plumbing fittings, flow control valve, shut-off valve, check stops with strainers and indicating thermometer with recalibration screw setting.

WRP valves also include a pressure equalizing chamber which maintains equal pressure to the thermostatic section regardless of incoming pressure changes. Incoming pressure fluctuations may cause temperature variations in the WR Series mixing valves.

WR-1 Temp. control valve, ½-2½ GPM CP0502*\$289.95
WR-2 Temp. control valve 1-4 GPM CP0503*\$274.95
WR-3 Temp. control valve 4-7 GPM CP0504*\$274.95
WR-4 Temp. control valve 7-12 GPM CP0506*\$289.95
WR-5 Temp. control valve 15-20 GPM CP0507*\$399.95
WRP-1 Temp. & Press. control valve, ½-2½ GPM CP0602
WRP-2 Temp. & Press. control valve, 1-4 GPM CP0603*\$349.95
WRP-3 Temp. & Press. control valve, 4-7 GPM CP0604*\$349.95
WRP-4 Temp. & Press. control valve, 7-12 GPM CP0605* \$424.95

*Plumbing connections required.

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



WER-2 Econo-Temp Valve.

Calumet's incredibly affordable WER-2 temperature control valve brings temperature control to every darkroom that requires optimum thermostatic water mixing for the finest quality film and print processing. The WER-2 features heavyduty construction, large dial thermometer calibrated in both Fahrenheit and Celsius, hot and cold water volume controls, tempered water flow control, accuracy of ±½°F at normal flow rate, flow rated at 1-4 G.P.M. ½″ N.P.T. hot and cold water inlets, ¾″ N.P.T. tempered water outlet and ¾″ vacuum breaker.

Calumet Valve Repair Kits. Everything necessary to restore thermostatic valves back to like new condition.

W-97-2 Repair kit for W-97 & WRP-1	
LL0602	\$125.00
W-97-4 Repair kit for W-98 & WRP-2	
LL0603	\$125.00
W-97-7 Repair kit for WRP-3	
LL0604	\$125.00
W-97-15 Repair kit for WRP-4	
LL0605	\$180.00
W-99-2 Repair kit for WR-1	
LL0502	\$ 98.00
W-99-4 Repair kit for WR-2	
LL0503	\$ 98.00
W-99-7 Repair kit for WR-3	
LL0504	\$ 98.00
W-99-12 Repair kit for WR-4	
LL0506	\$ 98.00
W-99-20 Repair kit for WR-5	
LL0507	\$148.00



Optional Vacuum Breaker With Fittings AY0438 \$ 21.95

Temperature Control Panels



The WCP 15 panel provides economical temperature control. It features separate hot and cold water adjustment valves for temperature mixing, preplumbed 3" dial thermometer, flow control valve, ½" N.P.T. inlet connections, ¾" garden hose outlet connection, and a 30 micron reuseable water filter. The unit is supplied on a convenient to mount wall panel. Accessories include optional vacuum breaker and spray hose which require user installation.



The WCP 25 provides a thermostatic mixing valve for accurate temperature control. It features preplumbed mixing valve, 3" dial thermometer, flow control valve, ½" N.P.T. inlet connections, ¾" garden hose outlet connection, hot and cold water check valves, and a 30 micron reuseable water filter. This unit maintains plus or minus ½ a degree accuracy at normal flow rates of 1 to 5 G.P.M. The WCP 25 is supplied on a convenient to mount wall panel. Accessories include an optional vacuum breaker and spray hose which require user installation.



Optional Hose and Spray Unit AY0437 \$ 21.95

Darkroom Plumber



Flo-Temp Thermometer Well attaches to faucet and holds Weston/Kalt type dial thermometers. Built in filter, adjustable temp.

Black	PF5410									\$14.95
White	PF5412									\$14.95



#700 Deluxe Snap Coupling Set includes 1 #701 deluxe aerator snap nipple to fit most kitchen type faucets and 1 #702

deluxe s	nap co	ouplei	•	
PF5003				 \$15.95

#640 Standard Snap Coupler Set includes 1 #603 snap nipple (fits 3/4" garden hose thread), and 1 #630 snap coupler.

PF5010													\$	8.9
#4000		_												

#102 SN Standard Adapter converts standard faucets to garden hose threads.

#104S Clamp-On Hose Adapter adapts threadless faucet to garden hose thread.

PF5024 \$ 4.95 #5060 Monel Filter Washers. 3 per pkg. For use on any garden hose threaded adapter. Contains filter screen to filter

rust and dirt particles. Use with point facing water supply.

Swivel Hose connectors. Female garden

hose connection for use with tubing or hose.

#804 for 1/4" I.D.	PF5110 \$ 2.50	
#806 for 3/8" I.D.	PF5112 \$ 2.50	
#808 for ½" I.D.	PF5114 \$ 2.50	

Y Adapter. Garden hose thread fittings with shut off valves.

PF5030 \$ 5.95

Wash and Fill Hose. 36" tubing with swivel hose connection.

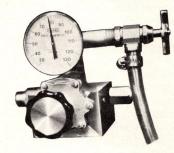
H3/8 3/8" tubing	PF5220 \$ 5.25
H½ ½" tubing	PF5222 \$ 5.95
FA3/8" tubing wi	ith universal fitting for most

surfaces. PF5224..... \$ 5.95



Econotemp

An economical method of water temperature control, features a large 3" dial, attaches easily to most faucets, swivels for easy positioning, and ends with the hose barb. AY0431 \$39.00



Economix

This inexpensive thermostatic mixing valve operates between 60 and 115 degree range with plus or minus 1/2 degree accuracy. Features a large 3" dial, garden hose fittings, and adjustable flow rate 1 to 5 gallons per minute. G.P.M. AY0432*.....\$200.00 With vacuum breaker and polished stainless steel cabinet. AY0433*.....\$295.00

Calumet Water Filters



Water filter housings made from tough polypropylene with talc filled walls for greater insulation. The cold water filter housing is rated at 125 psi at 125°F; the hot water filter housing is rated at 200 psi at 200°F. Either filter housing can be installed easily on new or existing plumbing, 34" NPT inlet and outlet.

FCC-10 Filter housing for cold water line, 93/4" cartridge included. AT0100*....\$ 25.95 FCH-10 Filter Housing for hot water line. 9¾" cartridge included. AT0200*....\$ 56.95

FCC-20 Heavy Duty Filter Housing

Ideal for heavy water usage, well water and city water supplies with heavy sediment concentration. Dimensions: 221/8" x 51/8." Requires two filters. For cold water only. AT0250*..... \$ 34.95

Brass filter housing recommended for use on hot water inlet when temperature exceeds 125°F

AY8000*.....\$132.00 Brass filter housing with "T" handle for easy

tool less changing of water filter. AY8001*.....\$150.00

*Plumbing connections required.

Prices and specifications subject to change without notice.

Wall bracket, facilitates mounting the filter housing when plastic or flexible tubing are incapable of supporting the water filled housing.

AT0315 \$ 1.95

Installation kit includes two shut-off valves and compression fittings for quick, easy installation on 3/4" pipe, rubber reducers for adaptation to 1/2" pipe, teflon tape and instruction sheet

AT0320\$	19.95	
Replacement "O" Ring AT0325	95	99
A10323	.55	00

Replacement Filter Cartridges Dirt/rust S1 Pleated Paper 20 microns.

Hot or cold. Removes sand, silt, sludge, rust, scale, algae 93/4." Sold in pairs only. AT0305 \$ 4.95 C1 Activated Carbon. 5 microns, for cold water only. Removes foul odors, taste of chlorine, sand, silt, and rust. Sold in pairs only. AT0310\$ 10.95 P25 Polypropylene Dirt/Rust. 25 microns. Hot or cold, sold in pairs only. AT0306 \$ 6.95 P5 Polypropylene Dirt/Rust. 5 microns. Hot or cold, sold in pairs only. AT0307 \$ 6.95

R50 Dirt/Rust Pleated polyester. 50 microns. Hot or cold. Reuseable. Each AT0308 \$ 2.95

R30 Dirt/Rust Pleated polyester. 30 microns. Hot or cold. Reuseable. Each

AT0309 \$ 3.95 The above filters are standard 93/4" long, and can be used in most other filter systems.

For Fast Delivery, Call Free of Charge



(In Illinois, call: 1-312-860-7447)

Calumet Deluxe Stainless Steel Sinks



Calumet deluxe sinks are recognized in the professional photographic industry as value leaders. Offering all stainless steel construction, Calumet deluxe sinks feature special type 316-Photographic Grade stainless steel sink pans in an outer stainless steel shell...with 34" thick insulation on all four sides and bottom. This insulated double wall construction prevents condensation, deadens sound and provides for better temperature control of processing. It's no surprise that Calumet stainless steel sinks offer an exceptionally long service life, and are unmatched for total value. Custom sinks quoted on request.

Calumet Deluxe Line Sinks

Corrosion-resistant Calumet stainless steel sinks in an all stainless steel stand offer the highest value obtainable in processing sinks. Not only is stainless steel ideal for holding temperature, but it is also chemically pure and cleans with only a water rinse. It will withstand high impacts without the checking or cracking that plastic sinks are susceptible to.

Stronger Construction. Calumet Deluxe Sinks are fully braced on the bottom and sides for a load strength well in excess of the sink capacity.

Insulation is installed to improve temperature control and offer sound deadening.

Functional. Sink bottoms are flat and level for use with either trays or tanks. The type 316 Photographic Grade stainless steel pan may also be used as a large, mural sized tray for all processing chemicals including color bleaches since it is not harmed by processing solutions. The wide side panels have four point leveling feet. Recessed drains allow for rapid emptying.



Calumet Deluxe Stainless Steel Sinks



Easier to Connect

The optional stainless backsplash is fully self-supporting. The 3" wide, 7" high backsplash allows concealed piping or panel mounting of temperature control devices. Strong, fully braced side panels form a rigid construction and each panel adjusts for uneven floors.

Dimensioning. Add 2½" to inside dimensions for outside area required. Add 3" additional to outside depth for sinks with backsplash. Overall height of all sinks is 36".

SAFE SHIPPING

To prevent damage during shipment, Calumet sinks are packaged with the major components disassembled. Some assembly and plumbing connections are required.

Special Construction.

The sizes listed represent stock sinks made from optimum cuts of the stainless steel sheets. Other sizes and requirements are available on request, including extra drains or partitions to divide sinks. Maximum economical sizes on stainless steel sinks are 47" wide by 120" long. In addition, a number of sinks may be joined together in a processing line with a unit backsplash and recirculation fittings may also be installed on request. Please contact our Technical Sales People for additional information about special constructions for your needs.

Note: Calumet's normal drain location is in the left rear of the sink pan. However, the drain 1½" IPS can be located according to your specifications at no extra charge. As an additional service, Calumet will punch the backsplash to accept temperature control valves or faucets at no extra charge. Location and hole diameters must be specified at the time of order. All plumbing fixtures to fit Deluxe Backsplashes should be supported by existing plumbing or brackets.

Calumet Sink Mat

The mat is fabricated of soft ribbed PVC which is fully resistant to photographic chemicals. The lattice construction supports small items conveniently and features special drainage slots.

Calumet Deluxe Line Sinks

Sink Size (Inches) Inside Dimensions	Sink Model No.	Sink Price	Backsplash Model No.	Backsplash Price	Shelf Model No.	Shelf Price	Sink Mat Model No.	Sink Mat Price
18 x 36 x 7	AY0105	\$ 570.00	AY0140	\$ 94.00	AY0205	\$137.00	AY0240	\$ 56.00
18 x 48 x 7	AY0107	\$ 605.00	AY0141	\$103.00	AY0207	\$145.00	AY0241	\$ 64.00
23½ x 36 x 45/8	AY0108	\$ 585.00	AY0140	\$ 94.00	AY0208	\$145.00	AY0242	\$ 60.00
23½ x 48 x 45/8	AY0109	\$ 635.00	AY0141	\$103.00	AY0209	\$161.00	AY0243	\$ 74.00
23½ x 60 x 45/8	AY0111	\$ 665.00	AY0142	\$116.00	AY0211	\$177.00	AY0244	\$ 92.00
23½ x 72 x 45/8	AY0113	\$ 715.00	AY0143	\$131.00	AY0213	\$202.00	AY0245	\$110.00
23½ x 84 x 45/8	AY0114	\$ 760.00	AY0144	\$145.00	AY0214	\$213.00	AY0246	\$128.00
23½ x 96 x 45/8	AY0115	\$ 815.00	AY0145	\$160.00	AY0215	\$226.00	AY0247	\$146.00
23½ x 108 x 45/8	AY0116	\$ 850.00	AY0146	\$174.00	AY0216	\$239.00	AY0248	\$164.00
23½ x 36 x 9¼	AY0117	\$ 630.00	AY0140	\$ 94.00	AY0208	\$145.00	AY0242	\$ 60.0
23½ x 48 x 9¼	AY0118	\$ 715.00	AY0141	\$103.00	AY0209	\$161.00	AY0243	\$ 74.0
23½ x 60 x 9¼	AY0119	\$ 770.00	AY0142	\$116.00	AY0211	\$177.00	AY0244	\$ 92.0
23½ x 72 x 9¼	AY0120	\$ 850.00	AY0143	\$131.00	AY0213	\$202.00	AY0245	\$110.0
23½ x 84 x 9¼	AY0121	\$ 905.00	AY0144	\$145.00	AY0214	\$213.00	AY0246	\$128.0
23½ x 96 x 9¼	AY0122	\$ 990.00	AY0145	\$160.00	AY0215	\$226.00	AY0247	\$146.0
23½ x 108 x 9¼	AY0123	\$1045.00	AY0146	\$174.00	AY0216	\$239.00	AY0248	\$164.0
23½ x 120 x 9¼	AY0124	\$1110.00	AY0147	\$189.00	AY0224	\$266.00	AY0249	\$184.0
30 x 60 x 7	AY0125	\$ 790.00	AY0142	\$116.00	AY0225	\$202.00	AY0250	\$114.0
30 x 72 x 7	AY0126	\$ 870.00	AY0143	\$131.00	AY0226	\$226.00	AY0251	\$140.0
30 x 84 x 7	AY0127	\$ 925.00	AY0144	\$145.00	AY0227	\$250.00	AY0252	\$156.0
30 x 96 x 7	AY0128	\$1000.00	AY0145	\$160.00	AY0228	\$266.00	AY0253	\$184.00
30 x 108 x 7	AY0129	\$1075.00	AY0146	\$174.00	AY0229	\$298.00	AY0254	\$212.0
30 x 120 x 7	AY0130	\$1135.00	AY0147	\$189.00	AY0230	\$315.00	AY0255	\$240.0
34 x 72 x 4%	AY0131	\$ 880.00	AY0143	\$131.00	AY0231	\$250.00	AY0256	\$164.0
34 x 84 x 45%	AY0132	\$ 925.00	AY0144	\$145.00	AY0232	\$266.00	AY0257	\$198.0
34 x 96 x 4%	AY0133	\$1000.00	AY0145	\$160.00	AY0233	\$290.00	AY0258	\$232.00
34 x 108 x 4%	AY0134	\$1075.00	AY0146	\$174.00	AY0234	\$315.00	AY0259	\$266.0
34 x 120 x 4%	AY0135	\$1135.00	AY0147	\$189.00	AY0235	\$339.00	AY0260	\$300.0

Sinks are shipped via motor freight collect.

Calumet Standard Stainless Steel Sinks



Calumet Standard Line Sinks

Calumet Standard Line Sinks combine the Calumet all type 316 stainless sink pan and insulated construction with an epoxy coated clad steel base. Insulation on all four sides and the sink bottom prevents condensation and deadens sound. Surfaces on the top ledge of the sink pan are smooth and flat. The sink interior is also flat to support trays or tanks. A $1\frac{1}{2}$ " IPS stainless drain, dished for optimum drainage, is provided in the left rear corner of the sink.

The sink legs are constructed of heavy zinc clad steel and are finished with a black epoxy specially formulated to resist photo chemicals.



Calumet Standard Line Sinks

Sinks are shipped via motor freight collect.

Sink Size (Inches)* Inside Dimensions	Sink Model No.	Sink Price	Plain Backsplash Model No.	Plain Backsplash Price	Shelf Model No.	Shelf Price	Sink Mat Model No.	Sink Mat Price
18 x 36 x 7	AY0005	\$480.00	AY0140	\$ 94.00	AY0270	\$105.00	AY0240	\$ 56.00
18 x 48 x 7	AY0007	\$510.00	AY0141	\$103.00	AY0271	\$113.00	AY0241	\$ 64.00
23½ x 48 x 45/8	AY0009	\$540.00	AY0141	\$103.00	AY0272	\$116.00	AY0243	\$ 74.00
23½ x 60 x 45/8	AY0011	\$565.00	AY0142	\$116.00	AY0273	\$126.00	AY0244	\$ 92.00
23½ x 72 x 45/8	AY0013	\$610.00	AY0143	\$131.00	AY0274	\$132.00	AY0245	\$110.00
23½ x 48 x 10¼	AY0015	\$590.00	AY0141	\$103.00	AY0272	\$116.00	AY0243	\$ 74.00
23½ x 72 x 10¼	AY0017	\$700.00	AY0143	\$131.00	AY0274	\$132.00	AY0245	\$110.00
30 x 60 x 7	AY0019	\$670.00	AY0142	\$116.00	AY0290	\$129.00	AY0250	\$114.00

^{*}The sizes listed represent stock sinks made from optimum cuts of stainless steel sheets. Other sizes and requirements are available on request, including extra drains or partitions to divide sinks. Maxi-

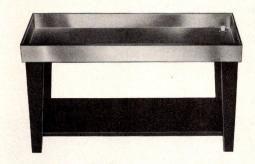
mum economical sizes on stainless sinks are 47" wide by 120" long. A number of sinks may be joined together in a processing line with a unit backsplash. Recirculation fittings may also be installed on request. **Dimensioning.** Add $2\frac{1}{2}$ " to inside dimensions for outside area required. Overall height of all sinks is 36." Add 3" to outside dimension for sinks with backsplashes.

Prices and specifications subject to change without notice.



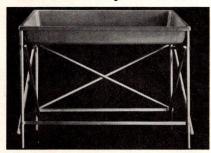
Calumet Econosinks

Calumet Econosinks are manufactured with type 316 stainless steel. These sinks are fully heli-arc welded and insulated. They are easy to clean and excellent for high temperature processes. Includes 1½" PVC drain and a removable stand pipe to maintain three inch water level. Optional Floorstand made with zinc plated steel, coated with a special chemical resistant black epoxy. Includes adjustable leveling feet and storage shelf. 36" high. Backsplash is 6" high, type 316 stainless steel, detachable. Shipped KD.



Sink Size (Inches) Inside	Econo Sink	Floor Star	nd W/Shelf	Bac	ksplash	PVC	Sink Mat
Dimensions	Model No. Price	Model No.	Price	Model No.	Price	Model No.	Price
24x48x5	AY0401 \$300.00	AY0411	\$135.00	AY0421	\$ 95.00	AY0441	\$ 74.00
24x60x5	AY0402 \$325.00	AY0412	\$145.00	AY0422	\$105.00	AY0442	\$ 92.00
24x72x5	AY0403 \$375.00	AY0413	\$155.00	AY0423	\$130.00	AY0443	\$110.00

Calumet Economy Line Sinks



"The Sink"

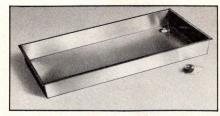
"The Sink" is an ideal sink if you are on a budget, or a great backup sink in professional darkrooms. The front wall is 5" high and the backsplash 12" high with a 4" top shelf. Available in two sizes. with raised rib bottom, and center-rear drain. Light gray in color.

The Sink 72", 72" x 25" I.D. PH7810
72" Metal Sink Stand PH7815 \$109.95
The Sink 48", 46" x 25" I.D. PH7817
48" Metal Sink Stand PH7818 \$ 99.95
Note : Some assembly and plumbing connections required.

For Fast Delivery, Call Free of Charge



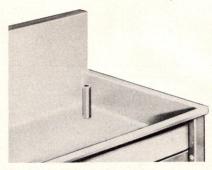
(In Illinois, call: 1-312-860-7447)



304 Sink Pan

The least expensive, workable, stainless steel sink pan available. Made with type 304 restaurant grade stainless steel. It requires more care and cleaning than type 316 photographic grade stainless steel, but with proper maintenance, it will last for years. Includes: 1½" I.P.S. PVC drain, not installed.

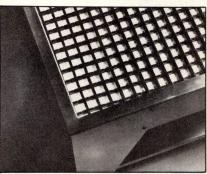
Sink Pan 24"x48"x5" AY0405 ... \$190.00 Sink Pan 24"x84"x5" AY0406 ... \$243.00



Stainless Steel Standpipes

Used to convert a sink to a water jacket. Installed in the drain, the standpipe will maintain a constant water level for controlling the temperature of processing solutions.

Water Level	Cat. No.	Price	
3"	AY4110	\$15.00	
5"	AY4112	\$18.00	
7"	AY4114	\$22.00	



Calumet Sink Mat

The Calumet Multi-Purpose Sink Mat is designed to support trays and tanks for better temperature control, and sound deadening for a quiet safer work surface. The mat is fabricated of soft ribbed PVC which is fully resistant to photographic chemicals. The lattice construction supports small items conveniently and features special drainage slots. The flexibility of the mat facilitates sink cleaning.

Sinkmat 23½" wide per foot	
AY0261	\$19.00
Sinkmat 29" wide per foot	
AY0262	\$25.00
Sinkmats are shipped in 2 ft. and 3	3 ft. sections
for easier cleaning. If you order 5	ft. of Sink-
mat, you will receive a 2 ft. and a 3	3 ft. section.

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Calumet TRP Sinks



Traditional Calumet Type 316 stainless steel construction combined with a factory installed temperature control system. Ideal for maintaining optimum temperatures.



Requires some assembly and plumbing connections.

Shown above with optional sink mat and shelf. Convenient factory made water outlets save time and money in installation. Spray outlet is ideal for clean up or drum type processing units.

The Calumet TRP sink contains a factory plumbed thermostatic valve, vacuum breakers, internal copper line, flow control valves and outlets in a special 11" high x 5" deep stainless steel backsplash. The TRP is a complete unit, ready to operate with minimum set-up time. Features such as a spray hose, water jet inlet in sink bottom and water outlets with garden hose type threads make this a truly functional sink.

The Calumet TRP Sink Includes:

- Panel mounted, factory plumbed thermostatic valve, 7 GPM (Model WR-3) with thermometer, quick acting ¼ turn volume controls, vacuum breakers, and water inlets with strainers, check valves and service shut offs.
- Two auxiliary water outlets on tempered water line with garden hose type threads.
- Water jet outlet in sink bottom to place an even fan of tempered water across sink bottom.
- Water spray unit on tempered water line, with additional shut off valve to reduce pressure to the spray head when not in use for longer spray head life.

Type 316 Stainless Steel Construction

Calumet TRP sinks feature the same superb construction as our deluxe line sinks. The TRP backsplash is 11" high and 5" wide to allow for concealed plumbing. Connections are ½" hot and ½" cold water supplies plus 1½" IPS drain. Optional type 316 stainless steel shelves are available.

Calumet Sink Mat

The Calumet Multi-Purpose Sink Mat is designed to support trays and tanks for better temperature control, and sound deadening for a quiet safer work surface. The mat is fabricated of soft ribbed PVC which is fully resistant to photographic chemicals. The lattice construction supports small items conveniently and features special drainage slots. The flexibility of the mat facilitates sink cleaning.

Old Cat. No.	Size (inches)	Cat. No.	Sink Price	Shelf Cat. No.	Shelf Price	Sink Mat No.	Sink Mat Price
TRP-2348	23½ x 48 x 45/8	AY0309	\$1500.00	AY0209	\$161.00	AY0243	\$ 74.00
TRP-2372	23½ x 72 x 45/8	AY0313	\$1600.00	AY0213	\$202.00	AY0245	\$110.00
TRP-23108	23½ x108 x 45%	AY0316	\$1760.00	AY0216	\$239.00	AY0248	\$164.00
TRP-2436	23½ x 36 x 9¼	AY0317	\$1485.00	AY0208	\$145.00	AY0242	\$ 60.00
TRP-2448	23½ x 48 x 9¼	AY0318	\$1580.00	AY0209	\$161.00	AY0243	\$ 74.00
TRP-2460	23½ x 60 x 9¼	AY0319	\$1645.00	AY0211	\$177.00	AY0244	\$ 92.00
TRP-24120	23½ x 120 x 4¼	AY0324	\$2025.00	AY0224	\$266.00	AY0249	\$184.00
TRP-3072	30 x 72 x 7	AY0326	\$1755.00	AY0226	\$226.00	AY0251	\$140.00
TRP-3084	30 x 84 x 7	AY0327	\$1820.00	AY0227	\$250.00	AY0252	\$156.00
TRP-3496	34 x 96 x 45%	AY0333	\$1900.00	AY0233	\$290.00	AY0258	\$232.00
TRP-34120	34 x 120 x 45%	AY0335	\$2050.00	AY0235	\$339.00	AY0260	\$300.00

TRP Sinks can be ordered for any standard or deluxe Calument sink size. Ask for price quotation.

Sinks are shipped via motor freight collect.

Calumet GA Sinks



Calumet GA sinks feature an internally plumbed thermostatic valve that regulates temperature automatically through flowing water into the tray and holding compartment. The thermostatic motor mixes hot and cold water to hold temperature within 1/2°F, of the desired setting. During most of the year, when city water does not rise above 68°F., the sink may be used as furnished without a supplementary chiller. The optional Model 50W chiller connects to the incoming water line for proper operation of the thermostatic valve in warm summer temperatures. Recirculation fittings are built in for connection to the optional 7000 recirculator or 61-W recirculation machine for extreme temperature areas.

Specifications

- Sink pan, bracing, stand and backsplash of Type 316 photographic stainless steel
- Stainless steel dump trough with individual drain across rear of sink
- Tray compartment overflows into dump trough through a choice of 3 overflow heights
- Separate washing compartment with overflow through dump trough
- Factory installed 7gpm thermostatic valve
- Tempered water line with individual flow control valves connected to spray inlets in tray compartment, washer and auxiliary valve on backsplash
- Internal plumbing of copper with nonpressure feeders to outlets
- Built-in vacuum breakers on each outlet
- Internal fittings provided for optional recirculation machine
- ¾" of insulating material on sink bottom and sides
- Special siphon type standpipe in wash section removes hypo from bottom for more efficient wash

Type 316 stainless steel temperature control sinks with built-in washing compartment.



GA-162 Floor space 86½" x 37½" for 3 size 16" x 20" trays	AY0300 \$2140.00
Stainless Steel Shelf for GA-162 AY0227	\$ 250.00
Sinkmat for Tray Section GA-162 Sink AY0263	\$ 114.00
GA-204 Floor space 98½" x 41½" for 3 size 20" x 24" trays	AY0301 \$2250.00
Stainless Steel Shelf for GA-204 AY0233	\$ 290.00
Sinkmat for Tray Section GA-204 Sink AY0264	\$ 164.00

Calumet Stainless Steel Trays

Manufactured using type 316 photographic grade stainless steel. After manufacture, these trays are polished and passivated for easy cleaning and years of quality performance.

Tray Size	Material Size	Cat. No.	Price
17 x 21 x 3	16 x 20	AY7020	\$ 62.00
17 x 21 x 6	16 x 20	AY7060	\$ 78.00
21 x 25 x 3	20 x 24	AY7030	\$ 82.00
21 x 25 x 6	20 x 24	AY7065	\$109.00

See page 91 for additional tray sizes.

Stainless Steel Standpipe

Standpipe will maintain a constant water level in sink compartment for controlling the temperature of processing solutions.

Cat. No.	Water Level	Price
AY4110	3"	\$15.00
AY4112	5"	\$18.00

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Calumet Inspection Viewer

With white and red safe lights. Frosted plexiglass front panel with film clips for holding film on viewer. Mounts on top of rear splash.

Model 7000 High-Temp Recirculator

Viewer for GA162 Sink

Features stainless steel exterior housing, sealless magnetic drive pump and 1000 watt heating element housed in a P.V.C. tank. Temperature range 75° to 115°F with plus or minus ¼°F accuracy. Weight 15 pounds, dimensions 6¾" x 8" x 15½".

CP5025 \$329.95 For additional information see page 106.

Sinks are shipped via motor freight collect.

50W Water Chiller

For temperature control devices and processing sinks when tap water rises above processing temperature in the summer. The Calumet water chiller will chill the water to 40°F. An internal thermostat is adjustable to deliver 68°F water. The hermetically sealed compressor has a 5 year warranty and is lubricated for life. By-pass valves cah be used to reduce energy costs in summer and winter. The water cooled condenser requires a drain.

CP9100 ***Temperature**

CP9100 ****Temperature**

*749.95

For additional information see page 106.

61W Recirculation Unit

Pumps water from sink through a chamber containing both heating and cooling elements. The water is brought to the predetermined temperature and regulated by a precise thermostatic regulator. Tempered water is then pumped back to the sink to maintain a constant processing temperature. Temperature settings adjustable from 34°F to 85°F.

CP9110 110 \$1089.95

For additional information see page 106.

Water Temperature Controls



Recirculators and Water Chillers



Model 7000 High-Temp Recirculator

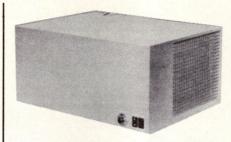
The Model 7000 is the ideal industrialquality recirculator for maintaining constant temperature with today's modern processes. The heavy duty long life pump has the capacity for use with water jackets, sinks, processors.

Outstanding Features:

- Stainless Steel Exterior
- 1000 Watt Heating Element
- High Temperature P.V.C. Heater Tank
- Seal-less Magnetic Drive Pump
- Manual Reset On/Off Switch with built-in circuit breaker
- Automatic Reset Thermal Protection for Pump Motor
- Hand operated thermostat adjustment
- Heater Indicator Light (On/Off Switch)

Specifications:

- Electrical—105 to 130 Volts, 50 to 60 Hertz
- Temperature Range 75° to 110° F.
- Temperature Regulation—+ or 1/4° F.
- Overload Temperature 185° F.
- Pump Capacity—5 GPM
- Dimensions 6¾ high x 8 wide x 15½ deep
- Weight-15 lbs.



61W Recirculation Unit pumps water from sink through a chamber containing both heating and cooling elements. The water is brought to predetermined temperature, regulated by a precise thermostatic control. Tempered water is then circulated back to the trays or tanks to maintain a constant temperature. The unit is completely automatic.

Specifications:

- 1000W immersion heater and 1/3 HP water chiller are regulated by thermostat with 1/2° F accuracy
- Temperature settings may be made from 55° to 85° F
- Circulating pump handles a minimum of 9 gallons (a sink) or a maximum of 25 gallons (a water jacket)
- Power: 115V, 60 cycle, single phase AC
- Pump capacity of 3.7 to 5 gpm depending on water in sink
- Heat reduction capacity of 1° to 1.4° per gallon of recirculated water per minute
- Heating and cooling tank holds 6 quarts and is provided with a drain outlet
- Air cooled heat exchanger
- Dimensions: 17" x 28" x 18"

CP9110 10 \$1089.95



Calumet Gas Burst Timers

The solid state design of the new Calumet NC-1 and NC-2 gas burst timers means greater reliability and accuracy at the lowest possible cost.

The single action NC-1 is engineered for only nitrogen or only air.

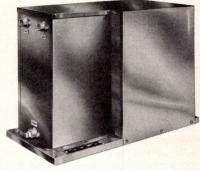
The NC-2 features dual solenoid control so that both nitrogen and air can be used in the same timer. A conveniently located switch lets you instantly select nitrogen or air agitation.

Both models have a large easy-to-read double pointer dial for setting burst duration from .25 seconds to 6 seconds. The interval between bursts can be set from 1 second to 60 seconds.

The timer housing is stainless steel with a black baked enamel cover. Both timers can be wall or bench mounted. Electrical requirement 110v. A.C.

NC-1 Gas Burst Timer AY9010	\$211.00
NC-2 Nitrogen/Air Combination Time AY9020	
Gas Burst Timer Hose ¼" I.D. AY9025 (per foot)	\$ 1.69

Prices and specifications subject to change without notice.



50W Water Chiller for temperature control devices and processing sinks when city water rises above processing temperatures in the summer. The Calumet water chiller chills the water to approximately 40° F and delivers it to the mixing valve connection. An internal thermostat is adjustable to deliver 68° F water. The hermetically sealed compressor has a 5-year warranty and is lubricated for life. The cooler, compressor, condenser and all wiring are completely enclosed. Bypass valves can be used to reduce energy costs in summer and winter. Compact 333/4"x141/4"x161/8" size allows for storage beneath processing sink.

Performance Data

Usable output available, based on incoming temperatures into water chiller:

Water Line Temperature					
Output At	80°	85°	90°		
68°	94.0 GPH	84.0 GPH	69.0 GPH		
50°	34.6 GPH	30.0 GPH	25.4 GPH		

Specifications:

- Condenser: Water cooled; drain required
- Connections: Water input, cold water output, drain 3/8"
- Horsepower: 1 HP
- Electrical: 115V 60/50 cycle—single phase 11 amp. average draw
- Holding Tank: Stainless steel—.9 gal. capacity

CP9100 \$749.95

For fast delivery, Call free of charge, Monday through Friday 9 am to 5 pm Central Time 1-800-323-2849

(In Illinois, call 312-860-7447)

Calumet Processing Equipment

Calumet Chemical Mixer and Transfer Pump



Deep drawn 10-gallon Type 304 photographic stainless steel tank has a powerful non-corrosive pump for recirculating and mixing photographic chemicals. Includes 6' of flexible plastic delivery hose coiled inside tank. Pump circulates at over 6 gallons per minute and is completely sealed against moisture and chemicals. Storage stand is equipped with casters for easy transfer of chemical from room to room. CP5011 \$299.95



Calumet Air Compressor

Oil-free, automatic compressor switches on at 35 P.S.I.G. and off at 50 P.S.I.G. With 12 gallon A.S.M.E. tank. **CP9120 \$695.00**

Automatic Moisture Filter for Air Compressor.

Ejects moisture from compressed air line.

CP9121 \$ 17.00

Calumet Filter & Transfer Pump

The Calumet filter pump quickly removes harmful particles of dirt and algae from developing solutions. It recirculates chemicals rapidly past a special high-flow filter to thoroughly clean out developing tanks. It removes dirt, small particles of gelatin and foreign matter from solutions to insure cleaner films and color prints with improved glossing characteristics.

Since the pump primes itself from a dry start, chemicals can be easily transferred from mixer to tank or from tank to storage. The filter unit will clean solutions being transferred.



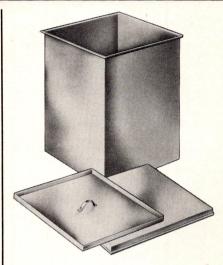
Model 230 Pump features:

- Two heavy gauge stainless steel probes which insert into the flexible plastic hose to draw from the most remote corner of a tank or mixer
- A 4%"x2¾" filter cartridge with a density of 20 microns that can be changed for each chemical and reused over a long period of time
- A 1/2 HP, 2.6 amp 115 volt, single phase, 60 cycle motor. Is fully enclosed to resist moisture and corrosion and includes thermal overload protection and a grounded 3-wire plug with line switch
- Flow rate: 4-5 GPM when recirculating and filtering from process tanks; 3 GPM when pumping from storage tank to overhead storage tank with head of 7 ft.

230 Filtering transfer pump, self-priming, Pump complete with 1 filter, 48" hose and 2 stainless steel probes.

3-5 GPM. **CP5010****\$295.00**231 Replacement filters for 5" cartridge,
20 micron. **AT0330****\$9.95** pair

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Calumet Stainless Steel Square Storage Tanks

Features:

- Type 316 photographic grade stainless steel construction with heli-arc welded seams
- Chemicals stored in stainless steel have a longer storage life than chemicals stored in plastic
- Stainless steel is easier to clean than plastic
- Square tanks are more compact than round tanks
- Tanks have flanged rim for greater strength and rigidity
- Easy to use quick action spigot included
- Optional stainless steel floating lid helps prevent oxidation which shortens the life of chemicals

12" x 12" x 17" CP6100 \$195.00 Floating Lid for 10 gallon tank CP6101 \$ 34.00

10 Gallon Tank-inside dimensions

For Fast Delivery, Call Free of Charge



(In Illinois, call: 1-312-860-7447)

Calumet Color Film Processors



Calumet 2-in-1 Film Processor

Why use two processors when one will do the job? Now you can process E-6 and C-41 in the same processor. This efficient convenient-to-use Calumet processor is ideal for labs and studios where space is at a premium.

The Calumet 2-in-1 is available in either 2 gallon or 3½ gallon sizes, and is the perfect answer for your small to medium volume processing requirements for films from 35mm to 8" x 10."

This money-saving processing system offers a relatively small initial investment, and allows you to maintain quality control for all your E-6 and C-41 processing.

Features:

- C-41 Side:
 3-Chemical Tanks and Covers
 1-Aerated Bleach Tank and Cover
 1-Quick Dump Wash Tank
- E-6 Side:
 7-Chemical Tanks and Covers
 1-Quick Dump Wash Tank
- Control Panel Components:
- Water Temperature Valve and Dial Thermometer

- Nitrogen/Air Burst Agitation Timer with electrical change over switch and air pressure reducing valve
- Wash Tanks Inlet Water Control Valves
- 1-Air Supply Control Switch for C-41 bleach tank
- Construction type 316 stainless steel with epoxy coated steel stand
- Factory installed recirculation fittings**
- Tempered water inlet control valve with stainless steel outlet tube for filling and cleaning water jacket and tanks
- All the above is factory installed

Specifications:

Floor Space: (3½-gal.), 35"W x 78"L, (2-gal.), 35"W x 51"L

Capacities: $(3\frac{1}{2} \text{ gal.})$ 30·35mm or $18\cdot120/620$ reels, or $14\cdot8\times10$ or $19\cdot4\times5$ or 5×7 hangers. (2 gal.) 15·35mm or 9·120/620 reels or 7·8 x 10 hangers. Smaller sheet film may be processed using multiple sheet hangers.

Electrical: 115 V.A.C. 60 Hz 0.5 amps

Shipping wt.: 500 lbs. (3½ gal.), 425 lbs. (2 gal.)

3½ Gallon AY5005 \$4624.00 2 Gallon AY5015 \$3780.00



Calumet 2-in-1 Semi-Automatic Combination Color Print & Film Processor

Features:

- Process: "RC" 2 or 3 step print (3½ gallon 16 x 20 tank) and 4 step film (C-41—2 gallon 8 x 10 tank)
- Dimensions: 34"x34"x49" High
- Electrical: 115V AC 60 Hz. 0.5 Amps
- Shipping Wt.: 575 lbs.
- 2-1 Processor AY5100 \$3369.00
- 2—1 Processor with aerated bleach tank (film side only) AY5110 *** ... *3492.00

Saran Processing Baskets

Proven best and most widely used for pattern and streakfree performance. Three styles available. Quantity and size(s) of prints to be processed determines proper style.

For Tank	Size	Print Capacity	Cat. #	Price
3½ gal.	16x20	48-8x10	PI0050	\$495.00
3½ gal.	16x20	24 8x10·10x12 or 12 8x10 & 12 11x14 or 12 11x14 thru 16x20	PI0070	\$395.00
1 gal. 3½ gal.	8x10 16x20	8x10 12 11x14 or 16x20		\$ 89.95 \$300.00

Gas distributor not included



Male Q	uick	Disc	conne	ct Fittin	g	
PI0250						\$ 6.95

Prices and specifications subject to change without notice.



Stainless steel outlet tube for cleaning tanks.

^{**}Recirculation systems should be ordered at the same time as processors for proper factory connections.

Calumet 8x10 Color Film Processors

Calumet 8x10 (a) Color Film Processor

- E-6 Process
- 2 & 31/2 Gallons
- 7-chemical tanks and covers
- · 2-quick dumpwash tanks
- Accurate water temperature control
- Automatic gas burst agitation timer
- Air outlet for direct connection to your air supply
- Construction type 316 stainless steel with epoxy coated steel stand
- All internal plumbing factory installed
- An aerated bleach tank with on/off valve and air pressure control valve.
- Air/nitrogen electrical change over switch, automatically changes to either timed gas or air
- Factory installed recirculation fittings**
- Tempered water inlet control valve with stainless steel outlet tube for filling and cleaning water jacket and tanks

The Calumet "traveling" plenum attached to the rack and the electrical change over switch (from gas to air) feature is a simple system. No more unplugging the gas line and plugging into the air, simply flip the switch for automatic choice.

Specifications:

Capacities: ($3\frac{1}{2}$ gal.) 30·35mm or $18\cdot120/620$ reels, or $14\cdot8 \times 10$ or $19\cdot4 \times 5$ or 5×7 hangers. (**2 gal.**) 15·35mm or $9\cdot120/620$ reels or $7\cdot8 \times 10$ hangers. Smaller sheet film may be processed using multiple sheet hangers.

Floor Space: 3½ gal. 25"Wx99"L; 2 gal. 25"Wx63"L

Electrical: 115 V.A.C. 60 Hz. .05 amps **Shipping Wt.:** (3½ gal.) 475 lbs.; (2 gal.) 425 lbs.

3½ Gal. Capacity AY5065\$3423.00 2 Gal. Capacity AY5075\$2746.00

Processor Accessories

3½ Gal. Floating Lid CP0353 \$ 24.00
2 Gal. Floating Lid
CP0366\$ 20.00
Water Heater Recirculator** CP5025\$329.95
Refrigeration/Heater Recirculator** CP9110 \$\frac{1}{2} \cdots \cdots \frac{1089.95}{2}\$
Water Cooled-Water Chiller CP9100 \$749.95
Drain Manifold—connect all drains to one common drain for easy installation. Factory

installed only. AY5061 \$101.00

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

**Recirculation systems should be ordered at the same time as processors for proper factory connections.



Calumet Multi-Use Processor (b)

For Cut Sheet or Roll Film C-41 or any 4-Step Process 2 or $3\frac{1}{2}$ Gallon 8×10

Standard Features:

- 4-8 x 10 chemical tanks and covers with one quick dump wash
- Automatic gas burst agitation system
- Water temperature regulator and dial thermometer
- All components and internal plumbing installed
- Construction type 316 stainless steel with epoxy coated steel stand
- Factory installed recirculation fittings**
- Tempered water inlet control valve with stainless steel outlet tube for filling and cleaning water jacket and tanks

3½ Gallon AY5045\$2406.00 2 Gallon AY5055\$1987.00

Optional Gas and Air Adaption

In addition to the above standard equipment, the gas and air adaption includes 1-aerated bleach tank and cover, air electrical solonoid with air on/off switch bleach tank, electrical change over switch (gas to air) and air pressure reducing valve factory installed.

Capacities: ($3\frac{1}{2}$ gal.) 30·35mm or 18·120/620 reels, or $14\cdot8\times10$ or $19\cdot4\times5$ or 5×7 hangers. (**2 gal.**) 15·35mm or 9·120/620 reels or $7\cdot8\times10$ hangers. Smaller sheet film may be processed using multiple sheet hangers.

Electrical: 115 VAC, 60Hz, .05 amps Shipping weight: (3½ gal.) 325 lbs., (2 gal.) 300 lbs.

Floor Space: (3½ gal.) 25" x 51"L, (2 gal.) 25" x 39"L

3½ Gallon AY5025 \$2530.00 2 Gallon AY5035 \$2510.00

Air Cleaning and Ventilation





Darkroom Ventilator

Precision quiet motor keeps constant flow of fresh air circulating, moves 200 C.F.M. per minute. Easy to install on square plywood panel. Size 12" dia. 7" thick 70 watts, 110 volts, 50-60 cycle A.C., 6 ft cord. Baffle design. Double air intake. KT6020 \$132.95



Darkroom Louvers

Low priced. One piece light-proof air vent for darkroom doors, walls. For regulating heat and ventilation. Black anodized aluminum. Easy to install slips into 4" hole.

Darkroom Blowers

Compact sturdy construction. Easy to install. Quiet air delivery. High RPM. Sold where UL required. Single blower KT6030 \$ 29.95

Double blower KT6035..... \$ 44.95

Dehumidifier

An excellent product for damp dark rooms. The dehumidifier consists of water absorbing pellets that soak up humidity. Simply place the open container in your dark room or any other area. When water accumulates, simply pour it off, and reuse. The chemical is effective until dissolved. Lasts from 3 to 6 months. Net weight 16 oz.

AA8050 \$2.95

For Fast Delivery, Call Free of Charge



(In Illinois, call: 1-312-860-7447)

Calumet Electronic Air Scrubber

Effectively cleans the air of dust, tobacco smoke, pollen, and other bacteria. Ideal for use anywhere pollution is a problem.

The dirty polluted air is drawn through the unit by a quiet two-speed fan and is electronically cleaned. Very small particles of bacteria, virus, smoke, and other contaminants are suspended in the airstream and assume a positive charge as they are carried past the ionizer points. As the airstream carries them further, they are repelled by the high voltage probes which also have a positive charge and are attracted to or "thrown against" the negative charged walls of the collector cell. This process is known as twostage electrostatic precipitation. The result is clean and fresh air, or an exchange of conditioned polluted energy, saving air with discharge into the atmosphere. A removable. throw-away collector cell (attracts) particles as small as .01 micron in diameter. Also available are permanent, reuseable cells.

Air

Scrubber

Specifications

Maxi Air

Scrubber

Dimensions	15¾" x 11"	15¾" x 14½"					
$(L \times W \times H)$	x 11½"	x 15"					
Weight	23 Lbs.	32 Lbs.					
Electrical	115V/60Hz	115V/60Hz					
Fan Blade	8" Diameter	12" Diameter					
Speed	High Low	High Low					
Current	.5A .33A	.9A .6A					
Power	60W 38W	100W 70W					
Air Volume (CFM)	160 110	320 200					
Room Size	300 Sq. Ft.	600 Sq. Ft.					
Air Scrubbe	Air Scrubber						
CP9130		\$229.00					
Collector cells	for Air Scrub	ber					
Throw-away (3 F							
Permanent CP	9132	\$ 21.95					
Maxi Air Scrubber							
CP9135		\$299.95					
Collector cells	for Maxi Air S	Scrubber					
Throw away (3 P							

Permanent CP9137 \$ 38.95



ESI Air Purifier System

Effectively removes air-borne dust, odors, smoke, micro-organisms, low-carbon gases and neutralizes static electricity in the work/ living environment. The ESI (Electron Sciences Inc.) unit is an electron accelerator that produces massive amounts of electrons that bombards your environment.

Airborne pollutants and the earth both have positive charges. Pollutants tend to stay suspended because they are repelled by the positive charge of the earth. Effectively the ESI air purifier reverses the charge of the airborne pollution. These negatively charged pollutants are now attracted to the positively charged earth because opposite charges attract. Pollutants can then be removed by mechanical means. Odors and smoke are carried by the polluted particles in the air, so remove the carrier and you remove the odor and smoke. These units are available in various sizes, to treat the smallest room to a full factory.

This unique air purifier should be used in any working environment where dust, static electricity and/or chemical odors exist. The Graphic Arts, Photography Photo Lab Industry can greatly benefit from installing these units in darkrooms, camera rooms and printing areas. The ESI System will effectively control airborne dust, static electricity build up and eliminate chemical odors. Either install a large capacity unit in a central location or a smaller capacity unit in individual rooms. The number of elements in the area to be treated, will determine the length of time it will take to saturate the area with electrons before the unit will become fully effective. Normally, this length of time will vary from 3 to 4 weeks upwards to as many as 4 months. Once the area is charged the machine will maintain the pollution free environment (the ESI System should be on 24 hrs. a day, 7 days a week). The ESI Systems have a limited 2 year warranty. 2 years on the power pack and 90 days on parts and

System 10 will cover up to 10,000 cu. ft. area. ES1000 \$ 995.00 System 20 will cover up to 15,000 cu. ft. area. ES2000 \$1,495.00

C

Saunders Archival Dry Mounting Tissue

Saunders archival dry mounting tissue is an acid and sulphur free bleached wood based tissue, coated on both sides with an archivally approved adhesive. The adhesive name is Lamatec and has been used for many years in Europe, for archival mounting purposes in the British Museum and all major European archival organizations. The tissue can be used with all standard dry mounting presses at a temperature of between 80° and 90° Centigrade (176° to 194°F). The press time is approximately 20 to 30 seconds, depending on the material. One main advantage of the material is that it is reversible.

8x10-100 Sheets	SO5510 \$14.95
11x14-100 Sheets	SO5514 \$27.95
16x20-100 Sheets	SO5520 \$59.95
20x24-100 Sheets	SO5524 \$89.95

Seal Release Paper

Silicone treated, protects platen.

Roll 26"x5 yds. SA8790 \$ 7.95

Roll 26"x20 yds. SA8791 \$24.95

Sealecter Tacking Iron

Prices and specifications subject to change without notice.



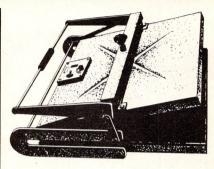
Seal Dry Mounting Presses

Feature floating platens, steel cantilevers and fast pressure adjustment of materials to 1" thick. For dry mounting, texturizing and laminating. UL Listed.

Swing Arm 110S consumes 7 amp	os; 800W
heater; swing-away 12"x15" platen.	
SA8811	\$ 224.95

Jumbo 160M consumes 8.7 amps; 1000W heater w/temp. meter. 18½"x15½" platen. SA8816

Masterpiece 500T consumes 15 amps; 170W heater w/temp. meter, heavy-duty press. 26"x34" platen. SA8850 ...\$1199.95



New Bogen Technal 560 Dry Mount Press

New Bogen Technal 510 Dry Mount Press

Delta Spotting Brushes

Made of finest grade pure red sable in seamless nickel ferrules. Polished white handles with black tips.

5/0 (00000) BR8820	
4/0 (0000) BR8821	\$2.95
3/0 (000) BR8822	\$3.25
2/0 (00) BR8823	\$3.75
0 BR8824	\$3.95
1 BR8825	\$4.50
2 BR8826	\$4.75
3 BR8827	\$4.95

Dexter Mat Cutter

For cutting straight or bevel edges. Adjustable angle or depth.

Cutter w/5 blades	KT0300		 	\$1	1.9	95
Set of 3 blades	KT0301			Ś	10	95

Falcon Print Mounting Positioner

For Fast Delivery, Call Free of Charge

To place orders with American Express, VISA or MasterCard from anywhere in the Continental United States 1-800-323-2849

(In Illinois, call: 1-312-860-7447)



Marshall Retouching Colors

For color or black and white prints and transparencies. Each kit contains 8 assorted ½ oz. dropper bottles, brush and instructions.

Marshall Retouch Colors Group 2 Gray, violet, bright orange, raw sienna, bright red, foliage green, verona brown, flesh shadow.

Marshall Retouch Colors Group 3 Aqua, bright violet, burnt sienna, cheek, lipstick red, oxide green, sky blue, veridian. MR9212 \$18.95

Marshall Retouching Pencil Set

Includes: 14 assorted pencils, ½ oz. bottle of PMS, cotton, skewers, and instructions. MR9260 \$14.95

Spotone For Prints

Colors for retouching and spotting all types of B/W and toned prints. Penetrates into emulsion, will not rub off, cannot be detected. Spotone set of 3 (½-oz. bottles) #1, #3, #0. RM9216 ... \$ 4.95 ½-oz. bottle #2 (Selenium Brown) RM9221 ... \$ 1.95 ½-oz. bottle #3 (Neutral Black) RM9217 ... \$ 1.95 ½-oz. bottle #8 (Brown) RM9218... \$ 1.95 ½-oz. bottle #8 (Brown) RM9218... \$ 1.95 ½-oz. bottle #5 (Sepia) RM9222 ... \$ 1.95

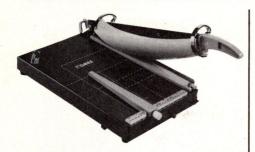
Spot-Off For Prints

A 2-solution controllable dark spot remover and general reducer to lighten dark tones of all types of prints. Set of 2, 1-oz. dropper bottles #1, #B.

RM9215 \$ 3.95

Precision Trimmers





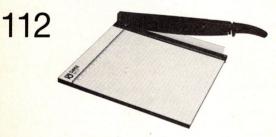
Dahle Safety Lever Cutters

Dahle Safety Lever Cutters stand out as the finest lever cutters available anywhere.

- Exclusive rotary guard assures operator safety at all times.
- Clamping bar holds paper securely.
- Trims several sheets at one time with total accuracy.

14½" cutting length	
DA1001	. \$139.95
21½" cutting length	
DA1005	. \$329.95
27½" cutting length	
DA1010	. \$519.95
32½" cutting length	
DA1015	. \$699.95

Shipped via motor freight collect.



Dahle Premium Line Cutters

Cuts from the thinnest tissue to corrugated cardboard. Protects fingers yet does not inhibit visibility. Heavy duty base is laminated on all surfaces, making it fully warp-resistant and durable. Self sharpening, replaceable blades are made of hardened steel. Includes transparent safety blade guard. (Made in U.S.A.)

tidi ispai ci it sai cty bi	ade guarar (r inde iii = i= ii)
12" cutting length	DA4000\$ 36.95
15" cutting length	DA4005 \$ 55.95
18" cutting length	DA4010 \$ 74.95
24" cutting length	DA4015 \$129.95
30" cutting length	DA4020 \$199.95

For Fast Delivery, Call Free of Charge

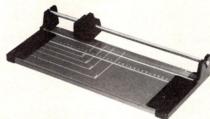


Dahle Precision Rolling Trimmers

Compact commercial grade construction. Portable, ready for use any time.

- The rotary blade is completely shielded by a protective housing assuring total protection.
- Manufactured from the highest quality materials to give heavy-duty commercial service. Self-sharpening blades.

13%" cutting length	DA3005 \$ 89.95
181/8" cutting length	DA3010\$129.95
26%" cutting length	DA3015\$169.95
371/2" cutting length	DA3020 \$174.95
50" cutting length I	DA3025 \$279.95



Dahle Hobby Trimmers

Good quality, economical trimmers. Cuts paper and film straight without burr. 12½" cutting length DA3000 \$ 34.95 18" cutting length DA3001 \$ 49.95



Unicolor Paper Trimmers

8"x10" Rotary Trimmer

Vertically calibrated metal base, self-sharpening blade, clear plastic hold-down shield and yellow paper guide. Cuts up to .5mm thick.

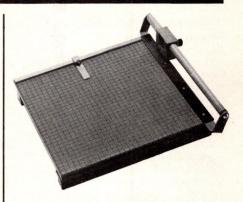
UN8615	\$41.95
11"x14" Rotary Trimmer UN8617	\$47.95
Unicolor Precision Trimmers—deversion of above. Cuts up to 1.5mr	
11"x14" Precision Trimmer	



UN8619 \$74.95



Dahle 8 in. Super Shear



Premier Rotary Drive Trimmers

Salet	ly engineered with enclosed cutter	wrieer.
12"	PM8712	59.95
15"	PM8715	67.95
18"	PM8718 \$	74.95
24"	PM8724 \$1	04.95



Premier Paper Cutters

High impact green plastic base, steel blade, metal ruler, paper guide and guard rails.

10"	PM8610 \$26.95
12"	PM8612 \$28.95
15"	PM8615 \$46.95
18"	PM8618
24"	PM8624 \$99.95



Doran Deluxe Trimmers

Excellent quality, beautifully styled trimmers with tough, one piece styrene construction that won't crack or warp. Features adjustable cutting guide and transparent blade guard.

12" Cutting length	DN1812\$	34.95
15" Cutting length	DN1815\$	53.95
18" Cutting length	DN1818\$	67.95
24" Cutting length	DN1824\$	104.95

Prices and specifications subject to change without notice.

Portfolio Cases and Storage

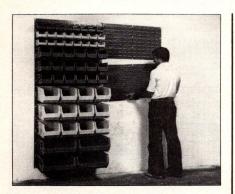


Fiberbilt Print Shipping Cases

Versatile shipping cases of Vulcan Fibre with heavy-gauge steel corners, extra-strong straps and patented Spring Clip Cardboard. Sizes listed below.



	11/4	ı''	2'	,	3′	′	4	"							
Print Size	Cat. No.	Price													
8x10	FB3310	\$20.95	FB3330	\$23.95	FB3360	\$26.95	FB3390	\$29.95							
11x14	FB3210	\$22.95	FB3335	\$26.95	FB3365	\$28.95	FB3395	\$30.95							
14x17	FB3315	\$23.95	FB3340	\$26.95	FB3370	\$29.95	FB3400	\$32.95							
16x20	FB3212	\$26.95	FB3345	\$29.95	FB3375	\$31.95	FB3405	\$34.95							
20x24	FB3320	\$34.95	FB3350	\$37.95	FB3380	\$40.95	FB3410	\$44.95							
24x30	FB3325	\$39.95	FB3355	\$42.95	FB3385	\$45.95	FB3415	\$49.95							



Storage Bins

The versatile Akro Bins can be stacked or wall mounted using specially designed louvered panels. Available in 4 sizes with weight capacities from 10 to 60 lbs.

The louvered panel provides a universal hanging surface for Akro Bins and allows unlimited relocation of all bin sizes. No relocation or adjustment of rails or shelves is required, just rearrange the bins as desired. The basic louvered panel is 19" high and 35%" wide and is designed to lap together vertically with other panels for unlimited possibilities.

Akro Wall Mount Panel 19 x 33%	
AF1000 \$24.9	95
Akro Bin $6\frac{3}{4}$ " x $3\frac{7}{16}$ " x $2\frac{13}{16}$ " cap 10 lbs. Blue. AF1010	50
Akro Bin 10¼" x 4¾" x 4¾", cap 30 lbs. Blue. AF1030	50
Akro Bin 14" x 69/16" x 634", cap 60 lbs. Blue. AF1050	95
Akro Bin 14" x 14¾" x 6¾," cap 60 lbs. Blue. AF1060	50

For Fast Delivery, Call Free of Charge

To place orders with American Express, VISA or MasterCard from anywhere in the Continental United States 1-800-323-2849 (In Illinois, call: 1-312-860-7447)



Grid Storage System

The Hellermade grid storage system will help you organize your home and office. The contemporary peg board grids are pre-finished, attractive and modular which allows convenient installation and are made with bonded vinyl coated steel for rigidity. Hooks are available in three types to accommodate all your needs.

Hellermade grid 18¾" x 25" red HE1000	\$9.95
Hellermade grid to wall clip (set of 4) HE1010	\$1.60
Hellermade straight hook (set of 4) HE1020	\$1.60
Hellermade ring hook (set of 4) HE1030	\$1.60
Hellermade curved hook (set of 4) HE1040	\$1.60
Hellermade 12 x 12 x 6 basket/shelf. HE1050	5.95
Hellermade 12 x 12 x 6 basket. HE1060	6.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Portfolio Cases

The Action Case is the perfect carrying case for business or personal use. Ideal for prints and other important materials you want to protect. Made of durable, waterproof Accohide, the Action Case won't rip, crack or tear like other cases. The Action Case expands to $1\frac{1}{4}$ inches with overlapping elastic bands to keep the contents secure.

Action Case 9" x 12" x 1½" Black	
AE2000	\$3.95
Action Case 11" x 15" x 1½" Grey	
AE2010	\$5.95



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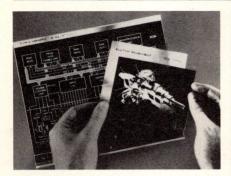
Zipper Portfolio Cases

Constructed with all around metal zipper, 2 full length inside pockets and are available in 4 popular sizes. Includes chrome multiring mechanism and 10 print protectors (capacity 20 prints). Case capacity 30 print protectors, 60 prints. Zipper Portfolio inserts available.

Zipper Portfolio Case with bokara bonded leather. Brown.

leather. Brown.	
For insert size 8" x 11" AR2250	
For insert size 11 x 14.	AR2251 \$33.95
For insert size 16 x 20.	AR2252 \$56.95
For insert size 18 x 24.	AR2253 \$69.95
Zipper Portfolio Case texon, black.	with durable Dupont
For insert size 8½ x 11 (AR2260	
For insert size 11 x 14.	AR2261 \$28.95
For insert size 16 x 20.	AR2262 \$47.95
For insert size 20 x 24.	AR2263 \$62.95
Zipper Portfolio Inse 8½ x 11 Pkg of 10 AR	
11 x 14 Pkg of 10 AR	
16 x 20 Pkg of 10 AR2	

18 x 24 Pkg of 10 AR2273 \$24.95



Mylar® Sleeves for Archival Storage

Mylar® sleeves provide the safest means of negative and transparency storage. Mylar® (polyester), which is chemically inert and contains no plasticizers, is the only film type product approved by the U.S. Bureau of Standards for permanent storage of sensitized products.

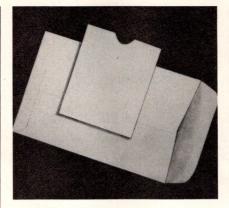
Our sleeves are made with clear Mylar® on the face and matte Mylar® on the back. The matte not only enhances viewing, but prevents ferrotyping. The materials are welded together by ultrasonics—thus preventing any possible contamination from adhesives. Each size has a convenient index area for information relating to location, use or retrieval

Film or Print Size Sleeve No. Single 2½ x 2½ 1 PL2000 \$ Four 2½ x 2½ 4 PL2002 \$1 2½ x 4½ (Carte de Viste) 1 PL2004 \$ 35mm (2 rows of 4) 8 PL2006 \$1 35mm (2 rows of 6) 12 PL2008 \$1 3½ x 6 (Post Card) 1 PL2010 \$1 4½ x 6½ (Cabinet) 1 PL2012 \$1 3½ x 7 (Stereo) 1 PL2014 \$1 4 x 5 1 PL2016 \$1 5 x 7 1 PL2018 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) PL2026 \$4	ullibel.			
Four 2¼ x 2¼ 4 PL2002 \$1 2¼ x 4½ (Carte de Viste) 1 PL2004 \$ 35mm (2 rows of 4) 8 PL2006 \$1 35mm (2 rows of 6) 12 PL2008 \$1 3½ x 6 (Post Card) 1 PL2010 \$1 4½ x 6½ (Cabinet) 1 PL2012 \$1 3½ x 7 (Stereo) 1 PL2014 \$1 4 x 7 1 PL2016 \$1 4 x 7 1 PL2016 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2020 \$1 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) PL2026 \$4		per		Price/ 100 pkg.
2½ x 4½ (Carte de Viste) 1 PL2004 \$ 35mm (2 rows of 4) 8 PL2006 \$1 35mm (2 rows of 6) 12 PL2008 \$1 3½ x 6 (Post Card) 1 PL2010 \$1 ½ x 6½ (Cabinet) 1 PL2012 \$1 ¾ x 7 (Stereo) 1 PL2014 \$1 4 x 7 1 PL2016 \$1 5 x 7 1 PL2018 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2020 \$1 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) PL2026 \$4	Single 21/4 x 21/4	1	PL2000	\$ 7.95
Carte de Viste 1	Four 21/4 x 21/4	4	PL2002	\$16.95
(2 rows of 4) 8 PL2006 \$1 35mm (2 rows of 6) 12 PL2008 \$1 3½ x 6 (Post Card) 1 PL2010 \$1 4½ x 6½ (Cabinet) 1 PL2012 \$1 3½ x 7 (Stereo) 1 PL2014 \$1 4 x 7 1 PL2016 \$1 5 x 7 1 PL2018 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) 36 (6 rows of 6) PL2026 \$4		1	PL2004	\$ 8.95
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4½ x 6½ (Cabinet) 1 PL2012 \$1 3½ x 7 (Stereo) 1 PL2014 \$1 4 x 7 1 PL2016 \$1 4 x 5 1 PL2018 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) 36 PL2026 \$4		12	PL2008	\$14.95
3½ x 7 (Stereo) 1 PL2014 \$1 4 x 7 1 PL2016 \$1 4 x 5 1 PL2018 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) 36 PL2026 \$4	31/2 x 6 (Post Card)	1	PL2010	\$14.95
4 x 7 1 PL2016 \$1 4 x 5 1 PL2018 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) 36 PL2026 \$4	4½ x 6½ (Cabinet)	1	PL2012	\$16.95
4 x 5 1 PL2018 \$1 5 x 7 1 PL2020 \$1 8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) 36 (6 rows of 6) PL2026 \$4	3½ x 7 (Stereo)	1	PL2014	\$16.95
5 x 7 1 PL2020 \$1 8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) 36 PL2026 \$4	4 x 7	1	PL2016	\$16.95
8 x 10 1 PL2022 \$3 8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) 36 PL2026 \$4	4 x 5	1	PL2018	\$15.95
8½ x 11 1 PL2024 \$4 35mm Page (6 rows of 6) PL2026 \$4	5 x 7	1	PL2020	\$18.95
35mm Page 36 (6 rows of 6) PL2026 \$4	8 x 10	1	PL2022	\$39.95
(6 rows of 6) PL2026 \$4	8½ x 11	1	PL2024	\$41.95
120 /200 P 12 1F		36	PL2026	\$45.95
	120/200 Page (3 rows of 4-5)	12-15	PL2028	\$44.95

Did you know?

A word about Mylar*

The Mylar* products we sell were developed after consultation with leading photographic conservators. Mylar* polyester film is a flexible, exceptionally strong and durable transparent film. It possesses an unusual balance of properties such as high tensile strength and moisture resistance that make it suitable for many archival applications. Mylar* remains tough and flexible at temperatures from minus 100°F to more than plus 300°F. Its chemical inertness and outstanding surface finish make it a perfect archival storage method.



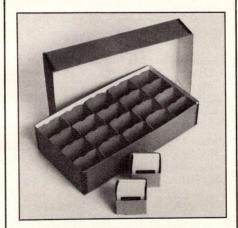
Acid-Free Archival Type Envelopes

Envelopes of chemically purified, long wood fibered paper provide maximum endurance and resistance to tears and abuse. The paper also has been sized with a non-acid substance and a calcium carbonate which provides a most effective shield against acid inks and airborne sulphur dioxide. The elimination of acid in our envelopes is another important factor, as witnessed by its slightly alkaline pH of 7.5 minimum to 8.5

Size	Cat. No.	per 100
2½ x 10¼	PL1000	\$10.95
3 x 11	PL1005	\$11.95
43/8 x 53/8	PL1010	\$ 9.95
53/8 x 73/8	PL1015	\$11.95
8½ x 10½	PL1020	\$20.95
11½ x 14½	PL1025	\$39.95

Archival Boxes

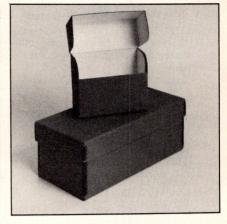
Calumet Archival storage boxes are made of tough .052 all-kraft fiber board with grain direction for utmost strength joined with a metal edge for exceptional durability and permanent rigidity. To produce this acid free board, special alkaline sizing is used and alkaline buffers (3% calcium carbonate) are added for ultimate longevity. Ph minimum 8.5.



Archival Slide Box

Two piece construction. Fully telescoping with metal edges. Complete with 20 unassembled die-cut tan slide holders which hold 20 2 x 2 slides each.

HO1000																				.each \$6.95	
--------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---------------------	--



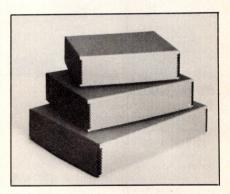
Archival Negative Storage Boxes

4 x 5 negative storage box, hinge top $2\frac{1}{2}$ " deep. Size $5\frac{3}{4}$ x $4\frac{3}{4}$ x $2\frac{1}{2}$.

HO1150each \$2.50 12" deep two piece "shoe box" style storage box for 4 x 5 negatives. Size 12" x 5¾" x 4½".

HO1100each \$3.95 8 x 10 negative storage box hinge top 4" deep. Size 10% x 8% x 4.

HO1200 each \$3.95



Acid-Free Archival Print Boxes

Two piece drop front construction designed for maximum archival protection of standard size photographs.

 size pnotographs.

 10½ x 8½ x 3" for 8 x 10 Prints

 HO2000
 each \$3.50

 12½ x9½ x 3" for 9 x 12 prints

 HO2005
 each \$3.75

 15 x 11½ x 3" for 11 x 14 prints

 HO2010
 each \$4.00

 20½ x 16½ x 3" for 16 x 20 prints

 HO2020
 each \$5.50

 20½ x 16½ x 1½" for 16 x 20 prints

 HO2025
 each \$4.50

 24½ x 20½ x 3" for 20 x 24 prints

 HO2030
 each \$6.50

 24½ x 20½ x 1½" for 20 x 24 prints

 HO2035
 each \$5.50

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Archival Filing Systems





Saf-T-Stor™ Slide Storage System

The Saf-T-Stor system was designed in cooperation with a U.S. Government agency to provide a safe long term storage system for color slides. The slide pages are made of pure polypropylene with no plasticizers or catalysts. The 9½" x 11" page holds 20 cardboard, plastic, metal or glass 2 x 2 mount slides in individual slots. The page fits into file cabinets, desk top files, ring binders or hanging file drawers.

Saf-T-Stor Slide Pages Quantity 1-24 Saf-T-Stor page

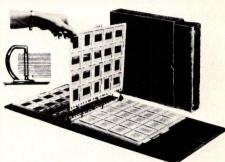
FR7500	\$	1.50
25 pkg. Saf-T-Stor page FR7500	\$	32.50
50 pkg. Saf-T-Stor page FR7500	\$	60.00
250 pkg. Saf-T-Stor page FR7500	\$2	270.00
Hanger Bars for file drawers Pkg. of 25 FR7510	\$	12.50
Tabs and Labels for Hanger Bars Box of 25 FR7520	\$	5.50

Transparent Page Protectors

Slides over Saf-T-Stor page, fitting snugly to guard against dust and fingerprints.

Pkg. of 25 FR7530 \$ 16.00

2½ inches



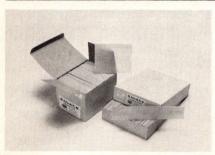
Saf-T-Stor™ Album

The convenient way to carry and house up to 20 Saf-T-Stor slide pages. This 3 ring 1¾ in. binder features D ring design so pages lay flat. Non-vinyl bound construction with slip-in storage case. Black, overall sizes 12½ x 11½ x 2½ inches.

Saf-T-Stor Album FR7540 \$ 11.95

Presentation and Storage





Glassine Envelopes

35mm (6) 100 pkg. SG5110	\$ 3.95
35mm (6) 1000 pkg. SG5111	\$39.95
21/4 x 21/4 (4) 100 pkg. SG5113	\$ 5.95
21/4 x 21/4 (4) 1000 pkg. SG5114	\$55.95
4x5 open end 100 pkg. SG5115	\$ 3.50
4x5 open end 1000 pkg. SG5116.	\$32.95
4x5 open side 100 pkg. SG5130	\$ 3.75
4x5 open side 1000 pkg. SG5131.	\$34.95
5x7 open end 100 pkg. SG5119	\$ 5.95
5x7 open side 100 pkg. SG5120	\$ 6.95
8x10 open end 100 pkg. SG5117.	\$10.95
8x10 open side 100 pkg. SG5118.	\$10.95

Kraft Negative Preservers (500 per box) 4x5 plain \$G5210 \$24.95 4x5 printed 1 side \$G5217 \$24.95 5x7 plain \$G5220 \$35.95 5x7 printed 1 side \$G5222 \$35.95 8x10 plain \$G5230 \$59.95 8x10 printed 1 side \$G5232 \$59.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Quik Mounts Display Mats

Quik Mount transparency display mats take away the hassle of preparation for viewing.

Quik Mounts with fold-over cover mats conceal transparency and polyester pocket edges for a cleaner, crisper presentation. Exclusive corner locking features gives onepiece look. Inside mat of each Quik Mount has a built-in "pocket" made of durable, optically clear Mylar® film. One side is matte finish to eliminate glare and enhance viewing. Transparencies are completely protected from damage through handling.

Quik Mounts are neat and trim; they greatly enhance the professional appearance of mounted transparencies. Replacement of mounts damaged through stripping and retaping or handling procedures is greatly reduced. Savings in time and file space are significant.

Features:

- Fold-Over Cover Mat Design—Film and pocket edges are completely covered.
- Film Emulsion Protection—2-sided polyester "pocket" eliminates scratches and dust problems.
- No-Glare Viewing—Matte polyester eliminates need for ground glass or light box.

- Faster Inserting—Reduces the inserting of film from 60 to 3 seconds per mount.
- Less File Space—50 mounts require only 1 inch of storage space.
- Reduced Costs and Handling Damage— Replaces old method of stripping and taping.
- For display use—Not archival

Quik Mounts (Black)

Finished	Film	Catalog	Price
Size	Size	No.	100 per pkg.
4 x 5	21/4 x 21/4	PL3000	\$33.95
4 x 5	21/4 x 23/4	PL3008	\$33.95
4 x 5	21/4 x 17/8	PL3010	\$33.95
4 x 5	21/4 x 31/4	PL3002	\$33.95
8 x 10	4 x 5	PL3004	\$44.95
8 x 10	5 x 7	PL3006	\$44.95



Acculight portable viewer/sorter

Portable viewer for slides or transparencies. May be used flat or standing. 110 Volt A.C. Capacity 48 2x2 slides. Overall Size 15x18x4 in. Useable surface area 123x173/16 in. Wt. 9 lbs. (not 5000°K)

KN1040	\$62.95
Portable overlay for 2x2 mounts (40)	, , , , , ,
KN1045	\$21.95

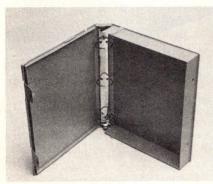
Storage and Filing Systems

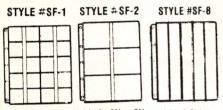


Safe Keeper

This completely enclosed polypropylene 3 ring binder is ideal for storing slide and negative pages. Fully enclosed construction means that nothing can fall out and it's dust proof as well as wind and rain proof.

PH8450 \$ 7.95

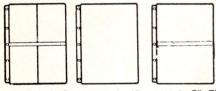




Holds 20-2 x 2 Holds 6-21/4 x 21/4 Color Slides Transparencies

Holds 3 Strips 21/4" Roll Film

STYLE #SF-5 STYLE #SF-6 STYLE #SF-7



Holds 4-4 x 5 Holds 1-8 x 10 Holds 2-5" x 7"

Protection Pages

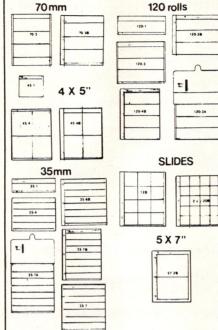
For protection and filing of 35mm slides and other films. Features see-through durable plastic clear front and frosted back. Punched for 3-ring binders.

Calumet has changed suppliers for these protection pages to provide a higher quality, more consistent product.

consistent product.
SF-1S holds 20 2x2 slides (side loading)
per pack of 25 BR5600 \$11.95
SF-2 holds 6 21/4x21/4 slides
per pack of 25 BR5602 \$11.95
SF-8 holds 3 strips 2¼" Roll Film
Per pack of 25 BR5604 \$11.95
SF-5 holds 4 4x5 transparencies
per pack of 25 BR5606\$11.95
SF-7 holds 2 5x7 transparencies
per pack of 25 BR5608 \$11.95
SF-6 holds 1 8x10
per pack of 25 BR5610\$11.95

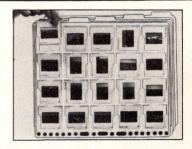
Print File/Negative Preservers

Let you make contact prints without removing negatives.



35-1 single strip. Per pack 100 MS8520
35-4 4 strip/sheet. Per Pack 100 MS8525 \$12.95
35-7 7 strip/sheet.
Per pack 100 MS8530 \$14.95
35-7A 7 strip/folder.
Per pack 100 MS8535 \$24.95
35-7B 7 strip/3 hole. Per pack 25 MS8510 \$ 4.95
Per pack 25 MS8510
Per pack 100 MS8540 \$18.95
36-6B 6 strip/3 hole.
Per pack 25 MS8550 \$ 4.95
36-6B 6 strip/3 hole.
Per pack 100 MS8545 \$18.95
120-1 single strip. Per pack 100 MS8552
120 2 2 strip/shoot
Per pack 100 MS8554
120-3A 3 strip/folder.
Per pack 100 MS8556 \$24.95
120-3B 3 strip/3 hole. Per pack 100 MS8558
120-4B4 strip/3 hole.
Per pack 25 MS8515
120-4B 4 strip/3 hole.
Per pack 100 MS8560 \$18.95
45-1 single.
Per pack 100 MS8564 \$ 6.95
45-4 4/sheet. Per pack 100 MS8562 \$14.95
45-4B 4/3 hole.
Per pack 100 MS8505 \$18.95
57-2B 2/3 hole.
Per pack 100 MS8566 \$15.95

810-1 single. Per pack 100	MS8568 \$11.95
70-3 3 strip/s Per pack 100	heet. MS8570 \$11.95
70-3B 3 strip/ Per pack 100	3 hole. MS8575 \$15.95
21/4" x 21/4" — 1 Per pack 100	2B sides. MS8580
2"x2"-20B Per pack 100	sides. MS8585 \$22.95
	00' MS8590 \$17.95
120-1M roll. 10	
70-1M roll. 10	00' MS8594 \$22.95



VPD Slide-Sho Pages

Features patented design to provide free air circulation around slides. Holds cardboard, glass and metal mounted slides. Pages can be filed in 3-ring or multi-ring binders as well as file cabinets. Translucent, light-diffusing semirigid page permits instant viewing from any light source.

35mm Slide Sho Page with Index Ta Package of 25 AR3500	
35mm Slide Sho Page with Index Ta Package of 5 AR3502	ab
2¼" Slide Sho Page Package of 25 AR3505	\$29.95
4x5 Slide Sho Page Package of 25 AR3510	\$29.95



New VPD "Hang 20" Slide File Pages

VPD's new "Hang 20" slide file pages are designed to hang in standard file drawers. They are made of a special, non-plasticized material that provides greater protection and safety for long-term storage of your slides. Unique airvent pockets let air circulate... preserving and protecting your slides from damage that suffocating storage can cause. Top-loading pockets make insertion and removal of slides easier and faster than ever.

"Hang 20" Slide Pages
Package of 10 AR3525 \$ 3.95

Special Discount on 50 or more "Hang 20" pages. **Save 10%.**

Viewers and Illuminators





Acculight Modular Viewing And Storage System

This new slide storage/retrieval system provides a modular design which can be arranged in a variety of ways to meet your present and future needs. Components include a color-correct Acculight viewer for sorting and viewing, four drawer file with inserts, lateral file designed to accommodate up to 100 hanging slide panels and a mobile base or a cabinet base with adjustable shelf. Both bases include 2" ball casters for easy mobility. All components measure 24" W x 18" D and lock-stack together assuring solid support. Finished in an attractive putty beige with walnut vinyl clad trim.

Modular Four Drawer File. With inserts for group storage of all types of 2" x 2" slides. Insert capacity 11,200 ready mounts or 5600 glass mounts and includes 56 plastic dividers. Dimensions 24" W x 12" H x 18" D.

Modular Lateral File. Designed to accommodate up to 100 hanging slide panels (capacity 2000 slides). Includes lock and 2 keys. See page 115 for hanging slide panels. Dimensions 24" W x 14½" H X 18" D. KN2010

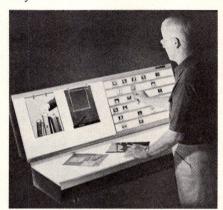
Modular Cabinet Base. Includes adjustable full width interior shelf, reinforced door with full length piano hinge, recessed handle and 2" ball casters. Dimensions 24" W x 27" H x 18" D. KN2020 \$116.95

Accessory Cutting Surface. Translucent vinyl overlay which actually "heals" itself when scored with a craft knife or razor blade. Protects plexiglass surface from damage. Non-distracting, soft green grid provides a guide for paste-ups, keyline drawing and tracing. Dimensions 24" W x 18" D.

KN2026 \$29.95

Acculight Transparency Editor-Sorter.

View slides and transparencies clearly and conveniently with this special modular system. Features ANSI standard 5000° K light source and CRI rating of 91+ Acculight which meets the strictest color rendition demands of any professional. Also features five mounting positions, double-capacity viewing capabilities with Accuframe, Acculock storage/retrieval overlay and Acculight Sorter/Tray.



Acculight Viewer/Editor System

4 ft. Acculight slide and transparency viewer/editor 5000° K light, CRI rated 91+
KN1000 \$159.95
2 ft. Acculight slide and transparency viewer/editor 5000° K light. CRI rated 91+
KN1020 \$119.95
Portable Acculight viewer/sorter
KN1040 \$64.95

Acculight Accessories

Acculock overlay for 2"x2" mounts (72 cap.)

KN1010 \$22.95

Acculock overlay for 2'/4"x2'/4" mounts
(40 cap.) KN1035 \$22.95

Acculock overlay for 2"x2" mounts (80 cap.)

KN1005 \$24.95

Acculight portable overlay for 2"x2" mounts
(40 cap.). For Model KN1040.

KN1045 \$22.95

Acculight coupling frame

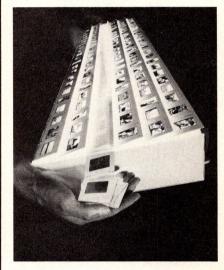
KN1025 \$21.95

Matrix Viewers & Editors

All Matrix Viewers deliver light at 5000°K with a CRI rating of 91+. Balanced light dispersion reflector design provides even light over the entire viewing surface for critical density judgements.

Console Editor II KD, 17½"x47" viewing areas, length 50" width 32" Height 49" or 53." Weight 150 lbs. Similar to the Editor II except without cosmetic side panels. This unit is packaged "knocked down" for greater value. Some assembly required.

Brite Box® Editing Centers



Brite Boxes are designed to meet the most demanding requirements of professional photographers, art directors and picture editors.

All Brite Box Editor/Sorters are true daylight color balanced to ANSI 5000°K. Evenness of illumination is virtually unparalleled with a maximum variation of only $\pm 1/5\, f$ stop. This permits precise comparisons of density and color evaluation.

Individual Brite Box Editor/Sorters can be placed flat on a table or angled to 15° or 60° for more comfortable viewing. Two units can be joined together to double the viewing capacity. The durable wood grained finish compliments any conference room or work area.

The exclusive Brite Box 35mm Overlays provide quick and easy slide handling with a clearing capacity of 144 slides in less than a minute. The unique overlay system also permits viewing of all formats to 8x10 including plastic file sheets with minimal show through. No clips are required for the 8x10, 4x5 or 2½ transparencies.

Brite Box Portable. Viewing area 11.5"x24" BB1224
48" Brite Box. Viewing area 11.5"x48." BB1248\$179.95
Clear overlay for portable Brite Box capacity: 72-35mm slides. BB1225
Clear overlay for 48" Brite Box capacity: 144-35mm slides. BB1249

Brite Box Adapter







Slide Projectors

Kodak Carousel Projectors. For 2"x2" slides in 80 and 140 slide trays. Features include gentle gravity feed, quiet operation, preconditioning of slides, high-capacity trays and selective slide access for instant editing. Slide projectors supplied less lens.

4000 For the economy minded. Features illuminated control panel and improved corner to center illumination.

KK1400\$118.95

4200 Features push button and remote forward and reverse, and accessory outlet. **KK1405** **\$148.95**

4600 Features automatic focusing. Focus the first slide, projector automatically sharp focuses all other slides in

same type mount. Also high low lamp control and rear leveling foot.

KK1420\$213.95

750 AR Features permanently attached power cord with three prong plugs; operator with either 110V or 220V, plus all the features of the 4400.

KK1415 \$209.95

5600 Features Slide-Scan[™] built in screen, dust cover, roomlight outlet and spare lamp storage.

KK1435 \$308.95

Kodak Projection Lenses

Ektanar C "Curved-Field" Lenses. These lenses are specially designed to improve screen image quality of open mounted 2"x2" 35mm transparencies with emulsion toward lens. For use with Kodak Carousel and Ektagraphic projectors.

Ektanar C 102mm f/28	
KK1610\$	21.95
Ektanar C 127mm f/28	

Ektanar "Flat-Field" Lenses. Recommended for 2"x2" glass mounts. For use

with Kodak Carousel, Carousel H and Custom H projectors.

Ektanar 2½" f/3.5 KK1620 ... \$ 26.95 Ektanar 3" f/3.5 KK1621 ... \$ 18.95 Ektanar 4" f/2.8 KK1622 ... \$ 22.95 Ektanar 5" f/2.8 KK1623 ... \$ 22.95 Ektanon 7" f/3.5 KK1624 ... \$ 41.95 Ektanar Zoom 4-6" f/3.5

Kodak Ektagraphic III Slide Projectors

Ektagraphic III projectors are designed for heavy duty and continuous use. In addition to the basic features of Carousel projectors all listed Ektagraphic projectors feature: Heavy duty motors, coated condensers and a new 82-volt, tungsten halogen lamp which is more shock resistant and has a stronger filament.

Model "B" Ektagraphic III projector features: Remote control unit for forward, reverse and focusing, illuminated control panel and a reading light. Without lens.

KK1541 \$222.95

Model "A" Ektagraphic III projector features: Automatic focusing with on/off

Model "AT" Ektagraphic III projector features: Automatic focusing with remote override and built in timer. Without lens.

Model "AS" Ektagraphic III projector features: Automatic focusing with on/off switch, remote forward and reverse and a built in viewing screen.
Without lens.



Project-o-Stand

Accessory Shelf for Project-o-Stand 14½x22 composite surface, attaches easily without tools.

WE4260 \$ 14.95



Deluxe Projector Case

Universal Model holds one Kodak 2 x 2 slide projector and one slide tray. Durable Texon construction. I.D.: 14¾" x 13¼" x 8½". Brown. CT1052 \$ 29.95

Tiffen Universal Programmer AV 7202A

Portable slide sync recorder/player featuring programmable projector advance and reverse. With the AV 7202A, the operator can preprogram two projectors without any external sync equipment. Also featured are dual track programmers for independent recording, with sync track for individual tone for projector advances or multimedia use. Narration and sync tracks are totally independent for both record and erase.

TF0270 \$214.95

Audio Visual Equipment & Supplies





Super 66 21/4" Slide Projector

Precision push-pull slide changer. Forward and reverse magazine transport. Brilliant image projection with more light on the screen by means of a 24V/250W Halogen lamp and aspherical double condensers. A prismatic slide guide centers the slide exactly. Slides cooled by an efficient and quiet blower. Additional safety is provided by the heat absorbing filter. Light intensity can be adjusted with a 2-position switch. Individual height and leveling adjustments. Outstanding color corrected 150mm f3.5 lens. Includes one 30 exposure slide tray.

KD3010 \$349.95

Super 66 Automatic 21/4" Slide Projector

Same as above except with fully auto	matic
features. KD3020	\$579.95
Case for 21/4" Projectors	
KD3022	\$ 29.95
21/4" Slide Tray	
KD3025	\$ 4.95



Focus Slide Set

Composite focus image and alignment grid reduce effort and shorten pre-show set up for dissolve presentation. Each set contains two perfectly matched color slides mounted in pin-registered, 35mm, thin plastic mounts and includes protective storage case.

RF3380 \$4.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Kinderman AV-100 35mm Slide Viewer/Projector

A completely self-contained, portable, fully automatic 35mm slide projector. Use as a table model with built-in 7"x7" viewing screen or convert to wall screen in a split-second by removing cover. Comes with precision 60mm f2.8 projection lens. Ultra-quiet cooling fan permits constant operation of the efficient 12V/100W Halogen lamp. Hi-low power switch on the lamp gives it a long life. Slide advance, reverse and focus controlled by remote control unit (included). 5-pin DIN plug for connection to a timer, tape recorder, dissolver, etc. Comes with one 36 exposure slide tray.

ND5000	09.93
Kinderman 35mm Slide Trays (pair)	
KD3005	5.95
Replacement Lamp for AV-100	
KD3007\$	9.95



Kodak Stack Loaders

Kodak Slide Trays

B80T Carousel Transvue 80 for 2"x2" slides up to 1/10" thick. Accepts up to 80 slides. **KK1590 \$4.60**B140T Carousel Transvue 140 for 2"x2" slides



Gepe Slide Mounts

Gepe slide mounts are constructed of heat resistant plastic and feature a unique ventilation system to reduce buckling. The glass mount assures sharp, fuzz free boarders on the projected image and prevent dust.

Glassless Gepe 2x2 Slide Mounts 24x36 quan. 100 GM7001 \$5.95
Glass Gepe 2x2 Slide Mounts 24x36 quan. 20 GM6001 \$3.95
24x36 Anti Newton Glass quan. 20 GM6002
24x36 with registration pins quan. 20 GM6005
24x36 Anti Newton glass and registration pins GM6006
21x28 TV size quan. 20 GM6801
40x40 Super size with Anti Newton glass quan. 20 GM6901
Glass Gepe Mounts 35/16x35/16 13/x21/4 Anti Newton glass quan. 20 GM2501
2½x2½ Anti Newton glass quan. 20 GM2601 \$8.95

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Gepe Binding Press

Features a built in light source powered by AA batteries (not included) which helps in positioning and editing of slides as you mount them.

GM8001\$25.95

For Fast Delivery, Call Free of Charge



(In Illinois, call: 1-312-860-7447)

Audio Visual Equipment and Supplies



Entre Dissolve Units





Entre 7610

The Entre 7610 is a complete self-contained programmer/dissolve. It programs in real time, the simplest and easiest method. When the Remote Dissolve Control is plugged in, the built-in programmer programs all the effects listed below onto a channel of any tape recorder, for fool-proof, automatic playback.

Infinitely variable rates from a .3 second cut to as long as you wish.

Pause or "hold" at any place during a dissolve

Sway between two images

Animation between two images

Title or **superimpose** for special effects over a single image as many times as you wish

Flash one image over another Entre 7610 EN1010 \$229.95

Entre 7620

Similar to 7610 with these additional features: Set-a-rate press-a-button rate control, continuously variable (.2 to 8 sec). Uses plug-in standard Kodak remote control or Entre rotary remote control. Operation status lights, Delay control. Cue and review.

Entre 7620 EN1012 \$294.95

Entre 152 — Ten Programmer/ Dissolve-Tape Recorder

Combines the proven Audiotronic 152S sync recorder and the Entre 7610 2 projector Programmer/Dissolve in one unit. Complete and self-contained. Programs in real time, the simplest and easiest method. Offers independent control of both tracks, which allows recording of the signal track during, or after the music/narration. Also permits changing of the signal track at any time.

- Automatic cassette locator
- 2X ratio NAVA standard counter
- Standard ¼" jacks
- Lock down fast forward and rewind keys
- 6" oval dual cone speaker
- Automatic Level Control

Power output: 2/4 watts, per ANSI PH7-2-74

Frequency response (audio): 40-10,000 Hz Wow and flutter: less than .3%

Entre 152-Ten EN1025 \$479.95

Entre Accessories

120

RMF Dissolve Controls







Model 2225 Image Blender®

The Model 2225 Image Blender, when connected to two Carousel® projectors, offers professional quality dissolving scene capability at a very modest cost. This manual dissolve control features: Individually variable dissolve rate for each slide from instant change to infinite fade. Momentary pushbuttons for superimposing scenes at full lamp brilliance. Forward or reverse advancing of either projector. Automatic or manual advance of "off" projector.

Model 2225 RF2225 \$109.95

Model 2325 Image Blender®

 Automatic Timer for 2325

RF2375 \$ 29.95

Model 2500 Imatronic Image Blender® leads a new generation of programming dissolve controls. Dissolves and all program functions can be recorded for a completely automatic presentation. Unit can be operated manually with built in pushbuttons, or remotely with variable rate slide control. Digital, pulse-counting circuitry gives greater accuracy and the capability of computerized control interfacing. Features: Preselected dissolve rates or continuously variable rates with remote slide control. Flash buttons for superimposition or flashing titles. Complete with variable rate remote slide control. Model 2500 RF2500 \$474.95

Dissolve Extension Cables

High quality 9 wire cables with molded plugs extend distance from projectors to dissolve unit. Two cables (pair) 25 ft. long. RF3370 \$ 54.95

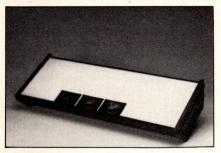
Stacking Projector Stand

This space saving stand provides excellent optical alignment and projector stability. Three point suspension for Carousel® projectors, excluding Kodak "custom" series. Disassembles quickly and easily for transportation or storage.

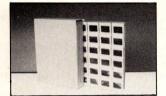
RF3350 \$19.95

Storage and Presentation Systems





New Matrix Economy 3' Viewer

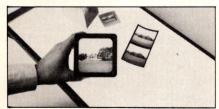


Matrix Journal 24 System

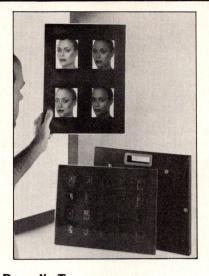
This is the finest method available for storing your most valuable master transparencies. The Journal cassette is standard page size (8½ x 11) and holds 24 glass mounted 2 x 2 slides. The cassette is injection-molded of virgin acrylic making them clean, clear, and rigid. No worry about outgassing and possible image deterioration. No part of the emulsion comes into contact with the cassette. The cassette can be securely closed (even tape sealed) and stored upright, like a book. Slides are fully protected from dust and fingermarks, yet easily viewable and accessible.

Journal 24 cassette for glass mounted	
2 x 2 slides. MX4000	\$ 5.95
Package of 20. MX4001	\$89.95
Journal 24 cassette for cardboard mor	unted
2 x 2 slides. MX4010	\$ 5.95
Package of 20. MX4011	\$89.95

Journal Box

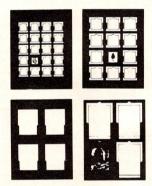


Journal Magnifier



Panodia Transparency Presentation System Transparency Presentation Mats

These 15¾" x 11¾" mats are constructed of heavy duty multi-layered cardboard. The mat openings are precision die cut for a clean finished look. Transparencies slide securely into the back of the mat and may be removed without damage. A clear plastic cover sleeve slides over the entire mat for protection from dust and finger prints. Flat black color.



Panodia 35mm Mat

Holds 20 35mm mounted slides. Supplied with masks for horizontal or vertical orientation of slides in the mat.

tion of slides in the mat.	
MX6005	\$9.9
Panodia 21/4 Mat	

Holds 12 2¼ x 2¼ mounted transparencies. Supplied with masks.

MX6010 \$9.95

Panodia 4 x 5 Mat Holds 4 4 x 5 transparencies.	
MX6015 Panodia 5 x 7 Mat	\$9.95
Holds 45 x 7 transparencies.	
MX6020	\$9.95

Panodia Presentation Case



Diatrans Bordered Sleeves

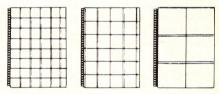
These high quality vinyl transparency sleeves feature wide opaque black borders for a professional look. The back of the sleeve is frosted for even light distribution.

Diatrans 4 x 5 Bordered Sleeve Package of 10. MX6500 \$ Package of 100. MX6501 \$	
Diatrans 5 x 7 Bordered Sleeve Package of 10. MX6510\$ Package of 100. MX6511\$	
Diatrans 8 x 10 Bordered Sleeve Package of 10. MX6520 \$ Package of 100. MX6521 \$	



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Panodia Deluxe Ring Case



Deluxe Ring Pages

Deluxe Killy rages
35mm Clear vinyl, holds 40 mounted slides. MX7005 price each \$ 1.95
21/4 Clear vinyl, holds 24 mounted slides. MX7010 price each \$ 1.95
4 x 5 Clear vinyl, holds 6 transparencies or prints. MX7020 price each \$ 1.95
5 x 7 Clear vinyl, holds 4 transparencies or prints. MX7025 price each \$ 1.95
Open Clear vinyl, unformated $17\frac{1}{2}$ " x $12\frac{1}{2}$ " area. MX7030 price each \$ 1.95
Open with Insert.Clear vinyl open page with heavy black paper insert.
MX7035 price each \$2.50
Black Mat Black cardboard 17¾" x 12¾" mat.
MX7040 price each \$ 1.50

Photographic Books





 Lightning and Its Spectrum, by Leon E. Salanave. At first glance this book appears to be a collection of spectacular photographs. Look again. Each photograph is explained in detail with the photographic technique used. Some of the wide range of techniques discussed in this book are time exposures, swing camera techniques, moving and fixed film variations, use of the H-Alpha filter, spectrum adaptions and telephoto applications.

Lightning may command awe and respect, but Salanave has rendered it far more understandable in this book.

AA4500\$24.95

- Technique of Photographic Lighting, by Norman Kerr. The best book we have found dealing with everything from what light is to how to control it. If you are genuinely interested in understanding the nature of light in photography, this book will be a welcome tool. Soft cover.
 AH1080 \$9.95
- Basic Photography, 4th Edition, by Michael Langford. Fully revised edition of a classic book used throughout the world as an introduction to all aspects of photography. "Takes the technical approach to photography clearly and excellently. The professional, serious amateur and student will all benefit greatly." 376 pages, 7"x9½," 110 photos, 140 diagrams.
 Softbound. FP1001\$18.95

- Mamiya M645 Book, by Alexander Borell.
 This authoritative new text is the complete guide to the use of the M645. 128 pages, softbound.
 FP1009 9.95

- Visual Concepts for Photographers, by Leslie Stroebel, Hollis Todd and Richard Zakia. A unique book on visual processes whose primary objective is to inform photographers about concepts basic to the process of vision and the art of photography. 150 illustrated topics are arranged in 15 chapters, including chapters on vision, perception, adaption, analysis of information and aesthetics. 350 pages, hardbound. FP1007 \$29.95



- The Secrets of Photographing Women, by Peter Gowland. This book gives detailed lighting diagrams to hundreds of situations and helpful hints on everything from makeshift studio props to choosing models and making the most of their time. Though the lighting of lovely subjects is the essence of Gowland's book, there is much here to be learned and applied to a wide variety of subjects.
- World Photography: 25 Contemporary Masters Write About Their Work, Techniques and Equipment, edited by Bryn Campbell. More than 300 duotone and full-color photos, personally selected by the photographers, reflect the best quality that modern lithographic printing can offer. 320 pages. AH1256\$49.95
- Nikon/Nikkormat Way Third Edition, by Herbert Keppler. An invaluable handbook for both experts and amateurs. This new edition is a complete revision of this classic text, and includes much new information which brings the book right up to date. The new Nikon F3, FE, FM, and EM are described in detail, with their advantages and limitations carefully explained.
 FP1011\$29.95

Kodak Books

- KB1690 \$ 6.95
- Adventures in Existing-Light Photography KB1140 \$ 4.00
- Fire and Arson Photography

 KB1480 \$ 2.50

- High Speed Photography
 KB1310 \$ 6.75
- Applied Infrared Photography
 KB1420 \$ 6.00





• Kodak Master Photoguide KB1060
• Picturing the Times of Your Life KB1035
• Kodak Color Films KB1270 \$ 7.95
• Kodak Professional Black-and-White Films KB1280
• Preservation of Photographs KB1290 \$ 5.50
Kodak Professional Photoquide

C

Photographic Books















- Photo-Lab-Index: Lifetime Edition, by Ernest M. Pittaro, Editor. The most comprehensive, accessible, and understandable encyclopedia of photographic methods, procedures, and materials available. Housed in a sturdy, waterproof, four-prong binder, the index opens flat, thanks to arch-shape prongs. An unusual double-locking device insures easy, secure closure. Sturdy plastic dividers, with thumb index, enable you to flip quickly to what you need to find.
 1400 pp. MM2051 \$54.95
- Dictionary of Contemporary Photography, by Leslie Stroebel and Hollis N. Todd.
 From A (for Ampere) to Zoom, here are definitions of thousands of photographic words, names, terms, and concepts.
 Jumbo-size (10x10 inches) pages, largesize type, hundreds of illustrations and diagrams. 10x10 224 pp.
 MM2064 9.95
- Publish Your Photo Book

 (A Guide to Self-Publishing), by Bill Owens.
 A completely thorough and candid guide that details all the necessary steps in self-publishing. It includes virtually everything you need to know from acquiring an ISBN and copyright, finding printers and getting your book reviewed to selling, promoting, and distributing it. 8x9 144 pp. (softcover)
 MM2627
 \$ 8.95

- Zone Systemizer, by John J. Dowdell III and Richard D. Zakia. This ingenious, easy to use, calibrated dial helps the photographer compute Zone System exposure and development in visual terms. No math is needed. The accompanying 64-page paperbound workbook presents all instructions, plus practical tips and pointers in using the Zone System.
 MM2040 (Available June 1983) ... \$10.95
- Photographic Sensitometry, by Hollis N.
 Todd and Richard D. Zakia. A sensible
 approach to the subject, which emphasizes
 practical methods of process control.
 Especially lucid and helpful are the author's
 treatments of test methods, light and light
 sources, analysis of data, and the tone reproduction cycle in printing.
 MM2000 \$10.95
- Photographic Tone Control, by Norman Sanders. Sanders, an expert photographer and teacher, here introduces a system of tone control which he has originated and developed. Unlike other systems, it has little reliance on mathematics and is therefore destined to become a standard method—particularly for less advanced photographers who find the older Zone System method of tone control a difficult one to master. 144 pp. (softcover)
 MM2117 \$ 8.95

- Color Primer I & II, by Richard D. Zakia and Hollis N. Todd. The techniques of programmed instruction are put to work in an attractive, easy presentation of the basic theory and concepts of color. The format is entirely that of questions and answers that the reader must fill in. Each question builds upon—and the thus reinforces—the previous answer. The result is a remarkably logical and effective introduction for the nonspecialist of any age. 4x5 152 pp. (paperbound)
 MM2021 8.95
- Photographic Filters, by Leslie Stroebel.
 The method of programmed instruction is applied to photographic filters, their principles and practice. Comprised entirely of questions and answers that the reader must provide (or tasks the reader must perform) before going on. 476x71/4 144 pp. (paperbound)

 MM2028 \$ 5.95
- 101 Experiments in Photography, by Richard D. Zakia & Hollis N. Todd. Each of the 101 experiments in this book is a doit-yourself problem or task...an active way to learn, and one which builds self-confidence and secure knowledge. 43/4x7/6 116 pp. (paperbound)



• The Professional Photographers Handbook, by Larry Logan One of the best general photographic reference books we've found. Measuring only 3¾" x 7," it fits easily into your pocket or camera case and goes with you anywhere. The manual contains over 100 entries, 66 tables and graphs, and 22 formulas. The book emphasizes that information relevant to taking sharp, correctly exposed, properly filtered photographs.

AA8000\$14.95

Processing Guides





Beyond the Zone System CN1002	\$14.95
Beyond the Zone System Workbook	¢ 9.05

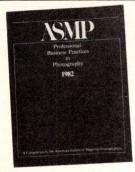
Kodak "Z" Manuals

Introduction to Color Process Monitoring
KB1800 \$ 4.95
Process Monitoring for Kodak Black And
White Films KB1850 \$ 5.00
Using Process E-6, 2nd Ed.
KB1810 \$60.00
Using Process C-41, 2nd Ed.
KB1820 \$40.00
Using Ektaprint 2, 2nd Ed.
KB1830 \$25.00

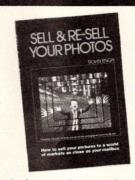
Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

Books to Build Your Business









- ASMP: Professional Business Practices in Photography, 1982. A compilation by the American Society of Magazine Photographers. Completely new edition contains tons of essential tips on photographer's rights, contractual policies, setting rates, and all sorts of in-depth legal issues. This book becomes the top authority on photographer's rights and a standard reference to anyone who plans to sell their photographs to magazines, corporations, newspapers, book publishers and stock photo agencies. 104 pages, softbound. AA8015 \$17.50
- Business Management for Professional Photographers, by Sy Gutterman. How to organize a photographic business into an effective operation, includes basic business structure, filing, accounting, and bookkeeping. 160 pp. 81/4 x 11." B&W illus. (cloth) AH1022 \$ 14.95
- 124 Presenting Yourself. A how-to/self-help book that gives the reader numerous tips on everything from organizing various types of presentations to dealing with prepresentation jitters. Useful for anyone who makes any kind of presentation. KB2015 \$14.95
 - Careers in Photography. Author Ted Schwarz covers today's major photographic career opportunities: commercial (portraits, weddings, architecture, model, glamour and fashion, advertising, and public relations); press photography and photojournalism; scientific; fine art; television; audiovisual. He also surveys the related fields of camera repair, custom processing, and art gallery management. The book includes valuable advice from interviews with experts in each photographic field. AH1275 \$ 6.95
 - Professional Photography, by Michael J. Langford. A "nuts-and-bolts" book which endeavors to show the photographer how to make a living today. An excellent guide to a career in photography. 312 pages, 71/4" x 93/4," 267 diagrams, 58 photos, 9 in color. FP1003 \$21.95
 - Photography: Turning Pro, by Tom Grill and Mark Scanlon. Covers preparing an assignment, creating a portfolio, cultivating clients, selecting equipment, establishing fees, running a studio, working on location, working with models and obtaining supplies and essential services.
 - AH1266 \$17.95

- How to Start a Professional Photography Business, by Ted Schwarz. This book provides readers with everything they need to know about the ever-expanding, multimillion dollar business of photography, fully explaining business methods, equipment, sales, insurance, and the countless other essentials for reaping success and profit. 281 pages. AA8025 \$ 7.95
- How to be a Freelance Photographer, by Ted Schwarz. Inside look at the requirements of magazine, newspaper, and book publishers, discussing whom to contact and how to promote your photos. 160 pages. AA8026 \$ 4.95

Sell & Resell Your Photos, by Rohn Engh. Engh's book is a primer on photo marketing that can be helpful and informative to those new to the field, as well as offer new tips and references to those already involved in this complex market.

According to the author, the majority of photographers who fail at selling their pictures do so not because they lack talent, but because they lack know-how in successful marketing techniques. Includes suggestions on query letters, packaging, pricing, self-promotion, copy rights, model releases, bookkeeping, and tax considerations.

AA4502 \$14.95

 The Chicago Talent Source Book. This is an ideal book for all photographers, exemplifying the innovative commercial work being done in such areas as fashion, still life, table top, stock photo, location, and editorial advertising. The Source Book should become a great inspiration to any photographer interested or involved in these areas, as well as a welcome publication for advertisers and art buyers. Approximately 400 pages, spiral bound. AA8020 \$35.00

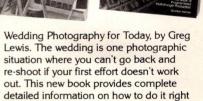






- Advertising Photography, by Allyn Salomon. Discusses 9 varieties of commercial photography: portraiture, fashion, food, beauty, illustration, annual reports, still life, big-set illustration, and interiors—and showcases the images of a master of that type of photography. AH1250 \$24.95
- Professional Fashion Photography, by Robert Farber. Some of today's most vivid and sensitive portrayals of feminine beauty, with expert advice on how to succeed in the highly competitive field of fashion photography. 160 pp. 8½ x 11" Color and B&W ilus. (cloth) AH1027 \$ 14.95
- Professional Industrial Photography, by Derald Martin. This is the first book in the photography field to deal with the very particular business of how to be an industrial photographer. It is geared to the individual who has already acquired the technical skills needed to be a good photographer. 176 pages. AH1258 \$19.95
- Stock Photography: How to Shoot It, How to Sell It, by Ellis Herwig. This is the only book on the market that tells the photographer who wants to make money from picture how to SEE the marketable picture as well as how to SELL it, not just once but over and over again. 152 pages. AH1260 \$11.95



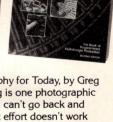


the first time. AH1254 \$ 9.95

- Professional Photographic Illustration Techniques. Intended to help commercial photographic illustrators sharpen skills and use time and tools more efficiently. More than 120 color illustrations-many with lighting diagrams-along with descriptive captions by the photographers themselves. KB1580 \$ 7.50
- Professional Portrait Techniques. Contains technical information on exposure and lighting plus a number of short articles by the photographers themselves. Includes light-ratio calculator and light reflectance cards—a \$2.50 value.
- IMAGES, IMAGES, IMAGES-The Book of Programmed Multi-Image Production. The latest "how-to" information on selling, planning, producing, and presenting multiimage presentations-for both decisionmakers and communicators, whether just starting out or engaged in multi-image. KB1680 \$19.95







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If you can't find it in our Catalog...

There's a good chance we still may have it in stock. Because we continuously strive to update and add new products to our inventory, many items not listed at the time of printing may, nevertheless, be available. If you have any questions about new products, or about items not listed, call Calumet Toll-Free and we'll tell you if we have it.

Around the Studio...





Mountain Adventures Saf-T-Strap

Camera harness/strap manufactured from washable 4000# test 1" tubular nylon webbing as used by mountain climbers, and has a soft feel which will not leave the photographer's neck sore at the end of the day. The quick release buckle and Saf-T-Hook are made from black delrin, and will not scratch the camera nor reflect light into the eyes of wildlife or people. The unique snap hook makes it impossible for the camera to become

disengaged from the strap/harness. The SAF-T-STRAP can be converted from a neck strap to a very stable harness in a few seconds by simply slipping one's arms between the double neck straps. The camera then slides up and down on the straps, and will not shift around. It's the ideal strap/harness for hikers, skiers, climbers, bikers or anyone who is active.

Black MO1000 \$9.95



EWA Marine Flexible Camera Housings

Not only for underwater use (up to 30 ft.), these housings are also ideal for protecting your camera from sand or adverse weather conditions. The plastic housing consists of double laminated PVC-type skin with wide temperature resistance up to 172° F. Both the lens and cyepiece lenses are made of photo/optical glass.

UW-F for 35mm SLR

EW0150 \$46.95



Calumet Lens Wrap

No more cumbersome lens bags or draw string to fight with, just fold the lens wrap around your lens—quick and neat. Padding keeps lens protected; Velcro-type fasteners keep it wrapped. Lens wrap also wraps light meters, flash and other sensitive equipment. Blue.

11" x 11" DK2030 \$ 9.95 19" x 19" DK2035 \$14.95



Sima X-Ray Protection

U.P.I. tests indicate that airport security X-Ray machines can damage undeveloped film.

Film Shield

Reusable lead laminated pouches for X-Ray protection while traveling.
Regular film shield pouch holds up to 22 rolls of film or one 35mm camera.
Dim. 6"x31/4"x81/4"

SM2910 \$ 8.95

Jumbo film shield pouch holds up to 60 rolls of film and two 35mm cameras. Dim. 16" x20."

SM2911 \$17.95



Lens Site Lens Cleaner

Lens Site professional lens cleaner is specially formulated for use on all precision optical surfaces. Originally developed for medical and scientific optics. Lens Site is non abrasive and restores the lens surface to its original, clean, oil-free state.

Anti-static ingredients repel dust and lint to keep the lens surface clean longer. Anti-fog properties help prevent lens fog which is a problem in humid areas. Lens Site can be used on coated and uncoated lenses, filters and filter gels.

Lens Site is a convenient, easy to use paste which cleans and polishes the lens surface without streaking.

Lens Site professional lens cleaner.
½ Oz AA3601 \$ 3.95
1 Oz AA3600 \$ 5.95



Tekna Flash Lights

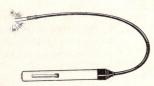
Made with ABS high-impact plastic, Tekna flash lights are shock resistant and water proof to 2000 feet. Efficient polycarbonate lens and polished reflector produces a powerful 1400 candle power beam. Small enough to carry in pocket or purse.





T-1050 Micro Lite dimensions 4" x

11/6," 13/4 oz. with batteries. Operates 11/4 hours using 2 alkaline "N" batteries. Batteries not included. Alkaline "N" battery pkg. of 2. DU9100 \$ 2.65 T-1000 Micro lith dimensions 4"x 11/6," wt. 11/2 oz. with battery. Operates 3-4 hours with 3V lithium battery included. Beam is more concentrated than TK2000, removable 2.5 x lens can be used as a magnifier, uses efficient krypton lamp for greater battery life Spare lithium battery for T-1000. Spare krypton lamp for T-1000. TK3010.....\$ 6.95



Snooper Light

Penlight flash light with 12" flexible fiber optic probe that brings light where you need it. Includes 2 AAA batteries.

BH1000 \$10.95

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.



Pocket Light Scope



Disposable Knives



Braun Travel Alarm Clock

Features precision quartz movement, snooze alarm button on top, programmed alarm that gradually increases in tone to awaken every sleeper without jarring and world time zone chart on cover. Fluorescent hands and dial. Measures 2¾" x 3½" x 1½". Unbreakable black housing. Battery not included.

BA1000. \$34.95



Braun Wall Mount Clock

Order Form

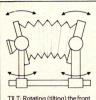


a. CALUMET PHOTOGRAPHIC SOCIETY MEMBERSHIP NUMBER:		d. DATE:				
b. BILLING ADDRESS:		c. SHIPPING ADD	RESS (If Different):			
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DAY TELEPHONE					og for complete ordering	
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890 Supreme Dr	ive	1-800-323-2849 (In Illinois, call 1-312-860-		n. Handli	ing \$1.00	
Bensenville, IL 60	0106	All prices in effect at time of the right to correct typograp pricing or specifications with	phic errors or change	Calumet Photographic Society Membership \$25	.00 \$	
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View Camera movements and how they work

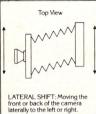
Vertical Perspective Control (Low Camera Angle)







RISE AND FALL: Vertically raising or lowering the front or back of camera.

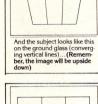


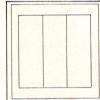


If the camera is pointing

Tilt camera back parallel to face of the subject to correct perspective. Tilt camera front parallel to back to correct shappness. Refocus if necessary and...

Vertical Image Placement
Improves composition, eliminates reflections



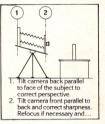


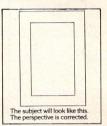
The subject will look like this The perspective is corrected.

Vertical Perspective Control (High Camera Angle)



And the subject looks like this on the ground glass...





Horizontal Perspective Control
Useful in architectural, still life and product photography.



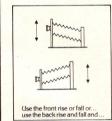
Swing camera back parallel to the face of the subject to correct perspective.
Swing camera front parallel to back to correct sharpness. Refocus if necessary

2

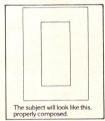
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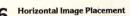


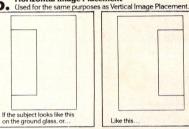


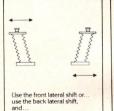


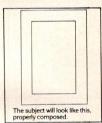
If the subject looks like this on the ground glass, or...

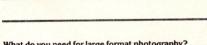




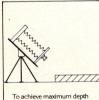








Depth of Field ntrol depth of field with the camera





The subject will look like this. The perspective is corrected.

What do you need for large format photography? The equipment requirements for large format photography are

really quite simple. Here's all you'll need:



- 1. 4"x5" view camera
- Large format lens Six or more sheet film holders
- Sturdy tripod or stand 5. Focusing cloth or hood
- 6. Focusing magnifier or lupe 5x to 6x
- Carrying case Hand-held light meter The 4"x5" film of your choice
- 10. Cable release

If you already own some of the above items, such as a sturdy tripod or light meter, your initial expenditure will be proportionately reduced. For additional information about large format photography, equipment or accessories, feel free to write or call Calumet Photographic. We'll be glad to answer any questions or to advise you about our equipme

Prices may change without prior notice, however, price changes in some instances may be lower than the published catalog price. Please call for confirmation.

For Fast Delivery, Call Free of Charge



1-800-323-2849 (In Illinois, call: 1-312-860-7447)

For further information...
The above examples illustrate all the most commonly used view camera movements, which can be used individually or in conjunction with each other. There are many view camera books avail-able which will provide detailed discussions about camera movements. See the book section of this catalog.

The PHOTOGRAPHER'S CATALOG is made to order!

Returns

All returns must be authorized by our Customer Service Department. <u>Unauthorized returns will not be accepted</u>. All returns are subject to our inspection and evaluation.

Return Procedure

- 1. You may return any item for any reason within 10 days from date of shipment.
- To qualify for return, the item must be in brand new condition, in the original undamaged packaging with all components, and the original unused warranty card.
- Call the Calumet Customer Service Department to obtain authorization for return (312-860-7447).
- 4. The returned item must be sent to us prepaid. Returns sent C.O.D. or "shipping charges collect" will not be accepted.
- All returns that do not meet the terms of the Calumet return policy will be subject to a minimum 15% restocking charge if accepted.

Warranty Repairs

Warranty repairs (non-Calumet products). If you have a non-Calumet brand product that requires warranty service, we suggest that you return it directly to the manufacturer or his authorized service center nearest you for the fastest response.

Warranty repairs (Calumet products). Should you have a Calumet, Cambo or Horseman brand product that requires warranty service:

- Call Calumet Customer Service for a return authorization, and how to proceed.
- 2. Return the item, *prepaid*, directly to: Calumet Photographic, Inc. 890 Supreme Dr. Bensenville, IL 60106

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Calumet Photographic, Inc. Limited Warranty

(Applies to Calumet, Cambo and Horseman brand products only.)

Calumet Photographic, Inc. (Calumet) warrants that Calumet, Cambo and Horseman brand products shall be fit for the ordinary and reasonable purposes for which said products are designed and shall be free from defects in materials and workmanship from the original date of sale to the customer for the period indicated below. Exclusions to this warranty are listed below.

Calumet makes no other warranty of any kind with respect to these products.

Should these products require service, Calumet will repair or replace, at our option, any product or part shown to be defective in material or workmanship by our inspection.

Repairs made necessary by reason of accident, misuse or normal wear are not subject to this warranty. Calumet is not responsible for any incidental or consequential damages, inconvenience, or loss caused by product failure.

All products returned for warranty service must be properly packed and sent with proof of purchase, prepaid and insured to:
Calumet Photographic, Inc.
890 Supreme Dr.

Bensenville, IL 60106

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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		Exclusions	
Calumet Product	Warranty Period	Not Under Warranty	
Calumet Cameras & Accessories	1 Year	Ground Glass	
Caltar Lenses	1 Year		
Calumet Flash Meter	90 Days	Batteries	
Calumet Lighting	1 Year	Flash Tubes, Incandescent Lamps Quartz Lamps	
Cambo Cameras & Accessories	1 Year	Ground Glass	
Cambo Camera Stands	1 Year		
Horseman Cameras & Accessories	1 Year	Ground Glass	
Calumet Sinks & Processors	1 Year		
Calumet Water Temperature Controls	1 Year		
Calumet Trays & Tanks	1 Year		

Catalog, Price List and Printed Material

We have made every effort to assure the accuracy of all information in the PHOTO-GRAPHER'S CATALOG. However, we reserve the right to correct any errors whether in pricing, description, specification, etc. All prices and specifications are subject to change without notice. Some prices may be subject to quantities on hand and availability.

If you're in the neighborhood, why not visit CALUMET? We're conveniently located at 890 Supreme Drive

veniently located at 890 Supreme Drive, Bensenville, Illinois. Open Monday through Friday, 9AM to 5PM.



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