





SINAR

Interchangeable, Ultraversatile Swiss Precision Camera . . . for the industrial and professional Photographer

8 × 10"	5 × 7"	4 × 5"	2¼ × 3¼"	2¼ × 2¼"
18 × 24 cm	13 × 18 cm	9 × 12 cm	6,5 × 9 cm	6 × 6 cm

The Problem: ONE Viewcamera for . . .

any Job
any Format
any Lens
any Adjustment
any special Application
any-Where

The SINAR has all the Answers:

- Unique "Construction-Unit" system: Key to the multipurpose SINAR system is the **SINAR STANDARD** basic View-camera, which can be supplemented or adapted to the specific requirements of any Job, any Time.
- Unique Interchangeability: Change of back and bellows **OR** reducing adapters rapidly convert the SINAR to any one of 10 Formats.
- Unique Optical Performance: The SINAR's unlimited extension and its completely collapsible bellows accommodate telephoto and wide angle Lenses of any focal length.
- Unique Versatility: Extreme rise and fall, tilts, left/right shifts, side swings, and swivel motion of entire SINAR around its optical bench allow any desired Adjustment.
- Unique Accessory Design: One set of SINAR accessories, many with dual functions, permit Macrophotography, Copywork, Color separation, Photomicrography, Flash synchronization, Photomontages, 45° angle shots and any other special Application.
- Unique Ease of Handling: The SINAR's sturdy, yet exceptionally light weight, compact and completely collapsible precision construction assures convenient portability and instant set-up; in the Studio or outside on location . . . any-Where.

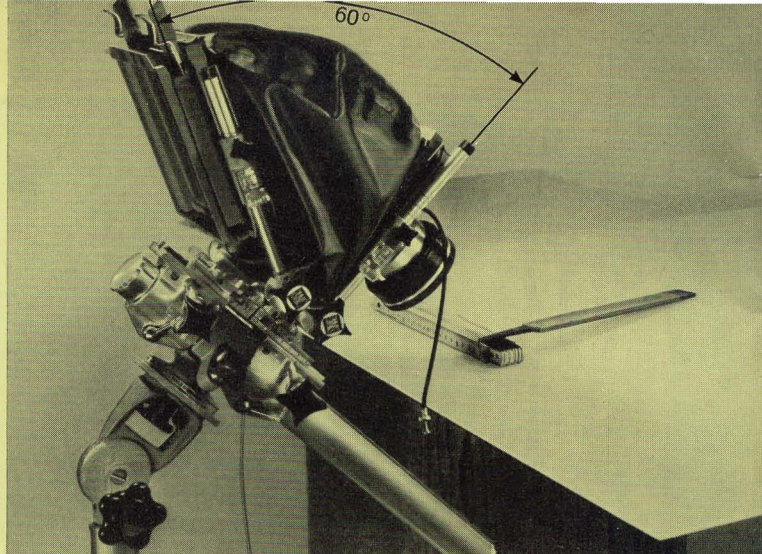
**FOR FULL TECHNICAL DETAILS STUDY THE FOLLOWING PAGES AND —
3 JUDGE FOR YOURSELF.**

Practical Examples are your best proof of performance

THIS GRAPHICALLY EFFECTIVE PICTURE OF AN OBJECT CAN BE EASILY TAKEN WITH THE SINAR'S

Unlimited, base-centered tilting up to 60°. Completely collapsible wide-angle bellows takes extreme wide-angle lenses without recessed lensboard.

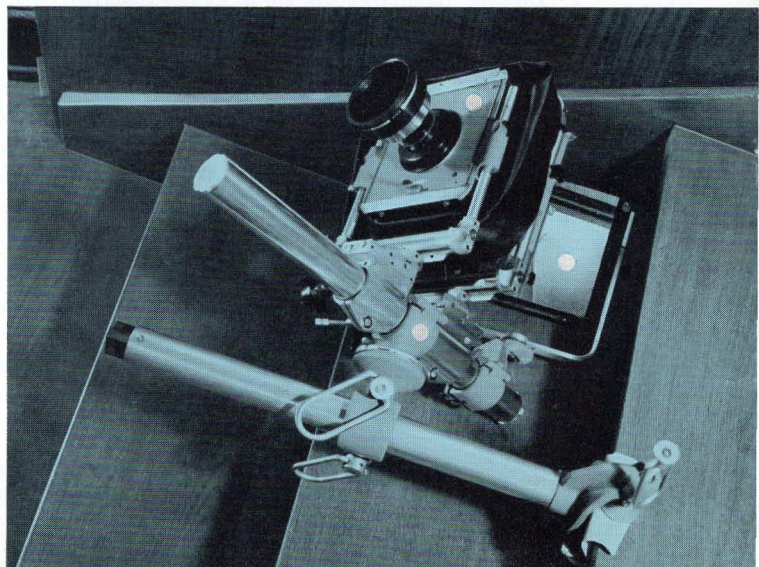
Try doing this with your present viewcamera!



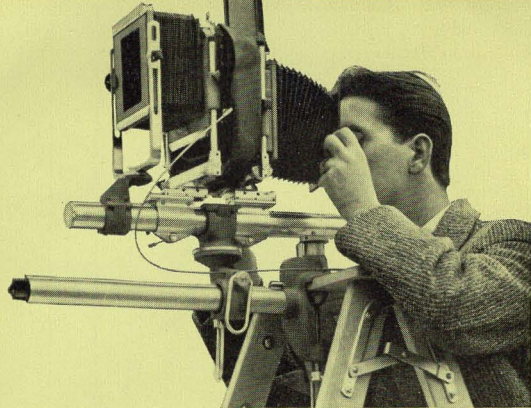
The Eye-Catching Inside Shot

requires a compact, light weight and easy-to-operate camera. Please note: Wide-angle lens does not require recessed lensboard, leaving diaphragm and shutter readily accessible. Tripod head remains always between front and rear frame, maintaining the best balance. Adjustments for perspective and overall definition can be made with lenses of shortest focal length. Front surface mirror behind groundglass (or in front of lens) provides convenient focusing, even in awkward camera positions.

The SINAR is the ideal camera for Interior Photographs.



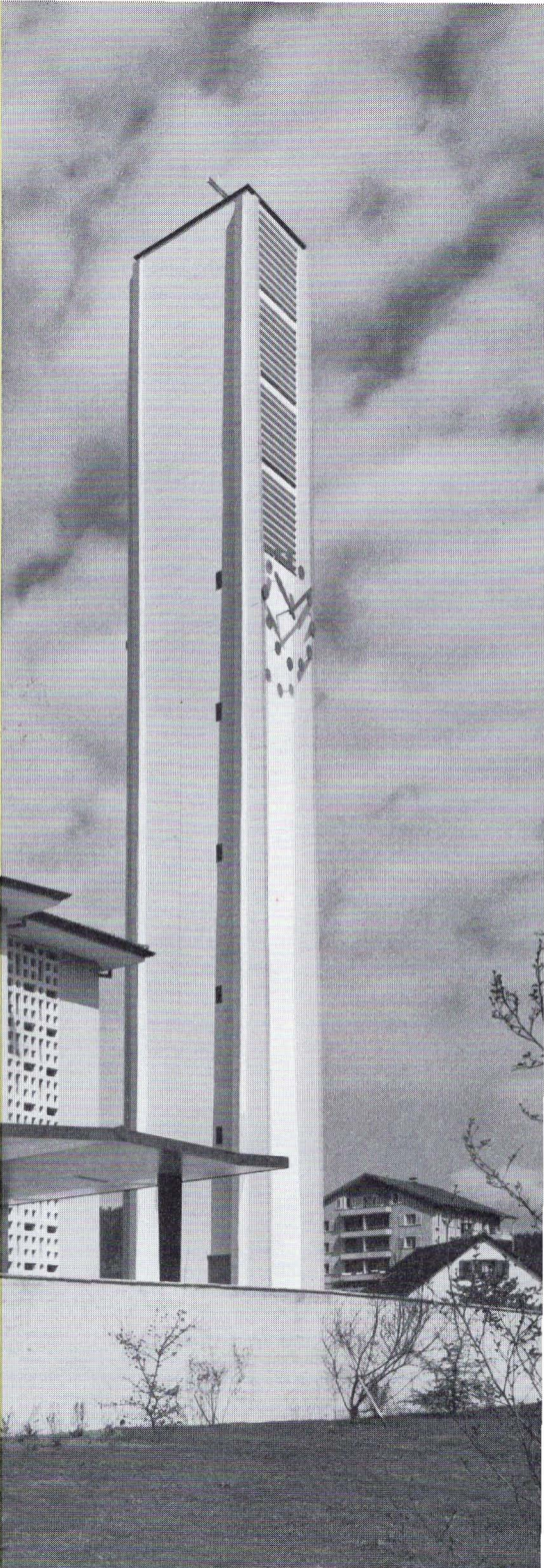
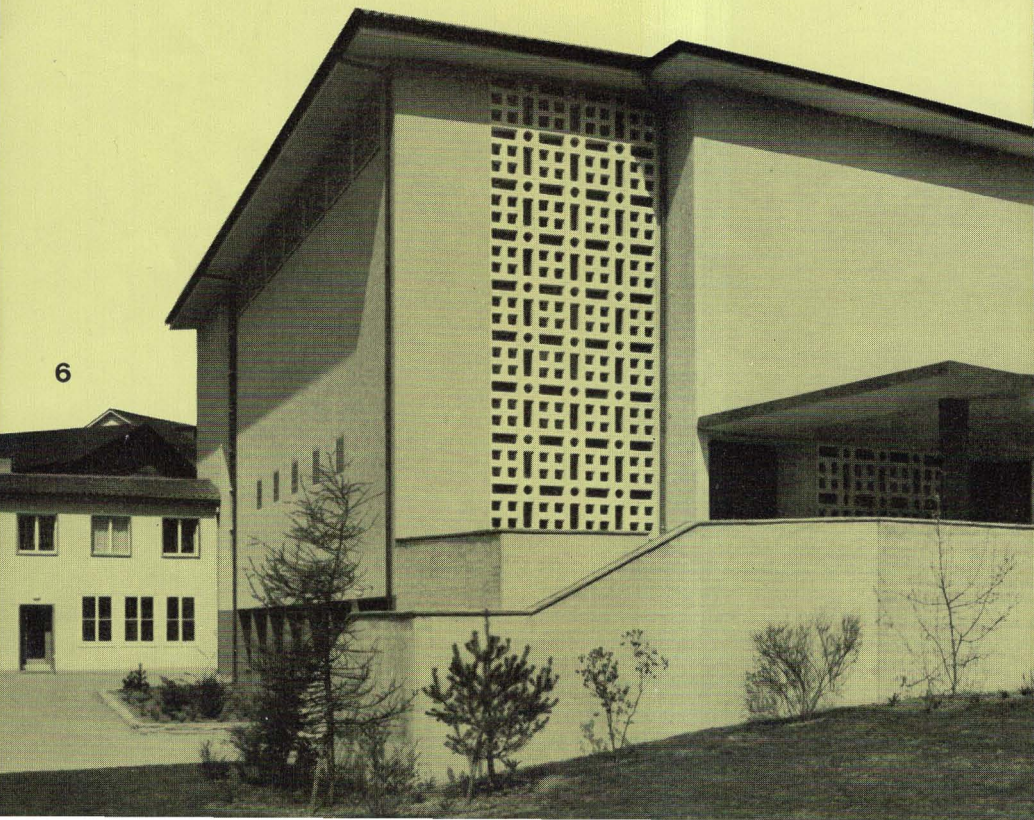




Architectural Pictures

demand: Full wide-angle coverage. Extreme rise and fall, left/right shifts and side swings, despite short focal length. Ready access to lens, provided by flat frames and unrecessed lensboard. Mat box bellows, easily detachable and adjustable, even at shortest extension. OFF-center coupling of auxiliary frame permitting complete collapse of mat box bellows. Short optical bench, not hindering wide-angle work. Leveling gauges, visible in any position. Compact, light weight, completely collapsible camera for easy transport and instant set-up on location.

The SINAR solves all your problems in Architectural Photography.



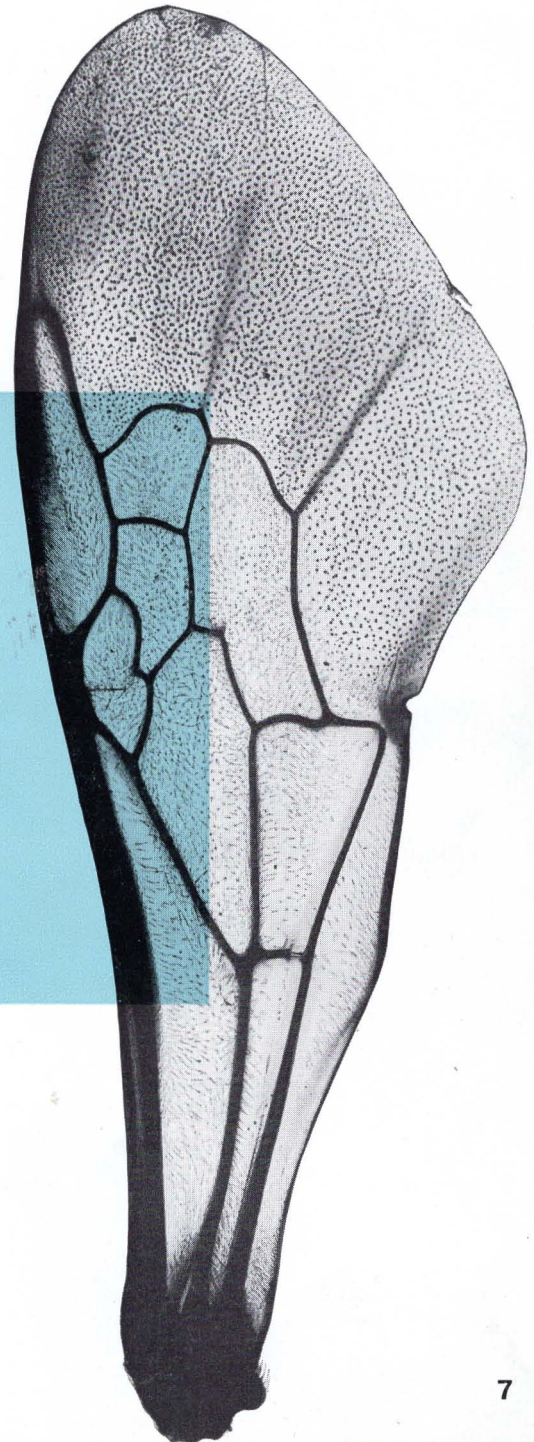
Macrophotography and Photomicrography

The auxiliary frame is ideally suited for reproduction of small objects up to $5\frac{1}{8} \times 5\frac{1}{8}$ ", either with transmitted or reflected light, in vertical, horizontal or any other camera position. (For copying larger originals, see page 11.) The exact alignment of both object and camera on the same optical bench follows the principle of the reproduction camera and assures perfect definition.



The optical bench can be extended without limitation. A simple screw mechanism in the axis of the bench tube attaches the extensions with absolute rigidity, without removing the camera and with no disturbing joints. ONE microscopic adapter attaches the SINAR to any microscope for photomicrography.

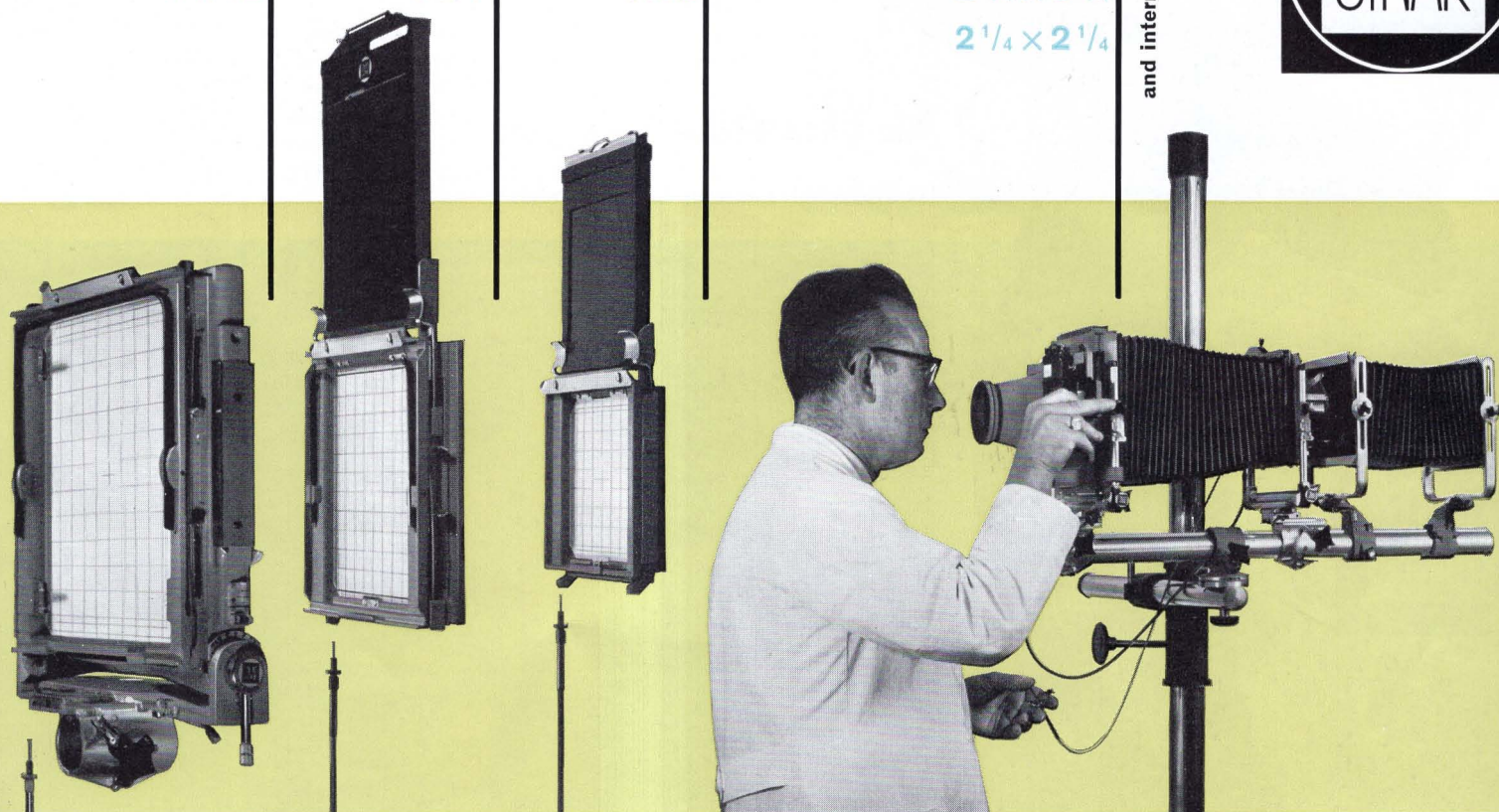
The SINAR has its own built-in Close-up and Copy stand.





18×24 13×18 9×12 $6,5 \times 9$ 6×6 8×10 5×7 4×5 $2\frac{1}{4} \times 3\frac{1}{4}$ $2\frac{1}{4} \times 2\frac{1}{4}$

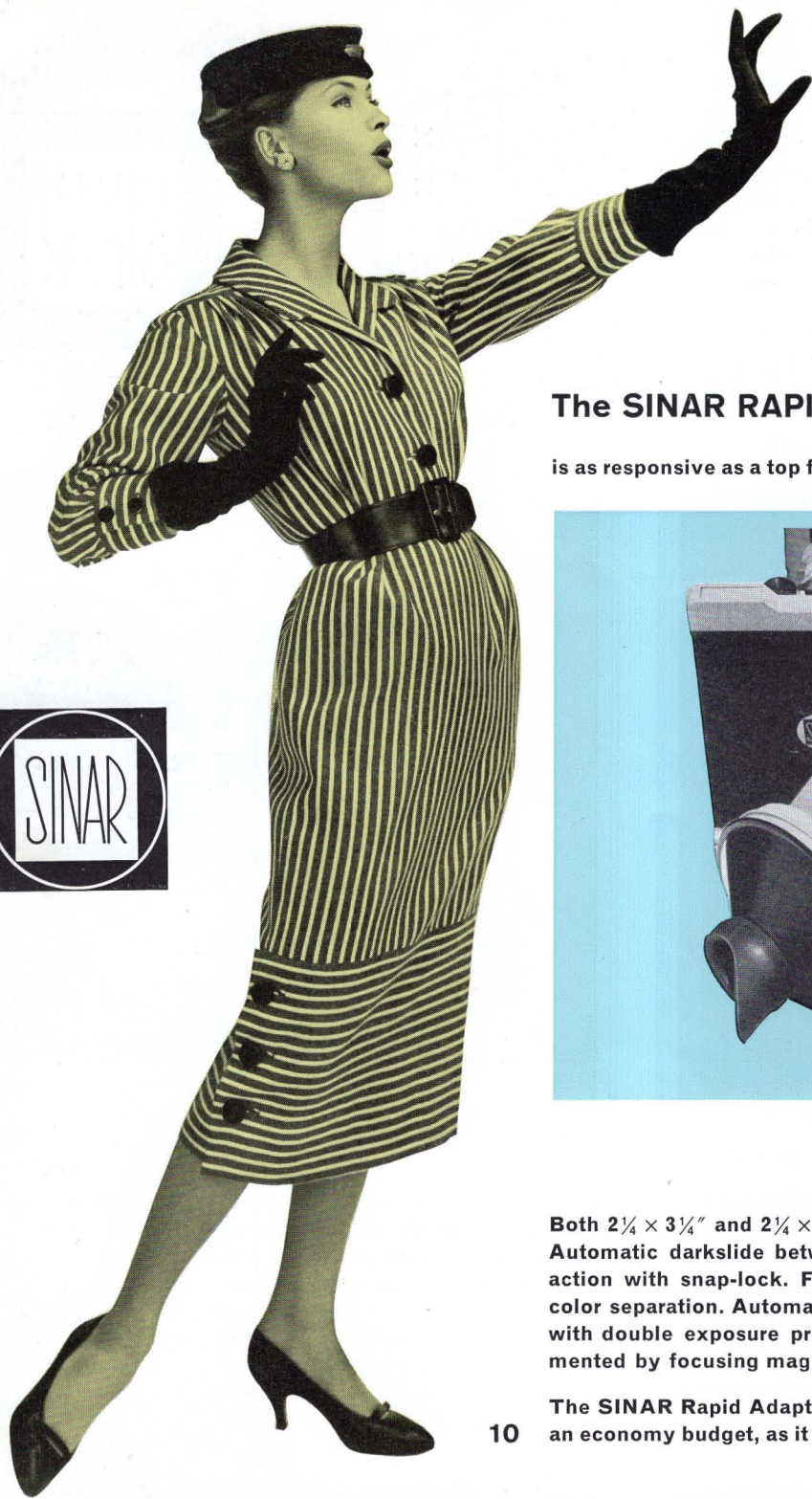
and intermediate formats



Portraiture and Fashion pictures

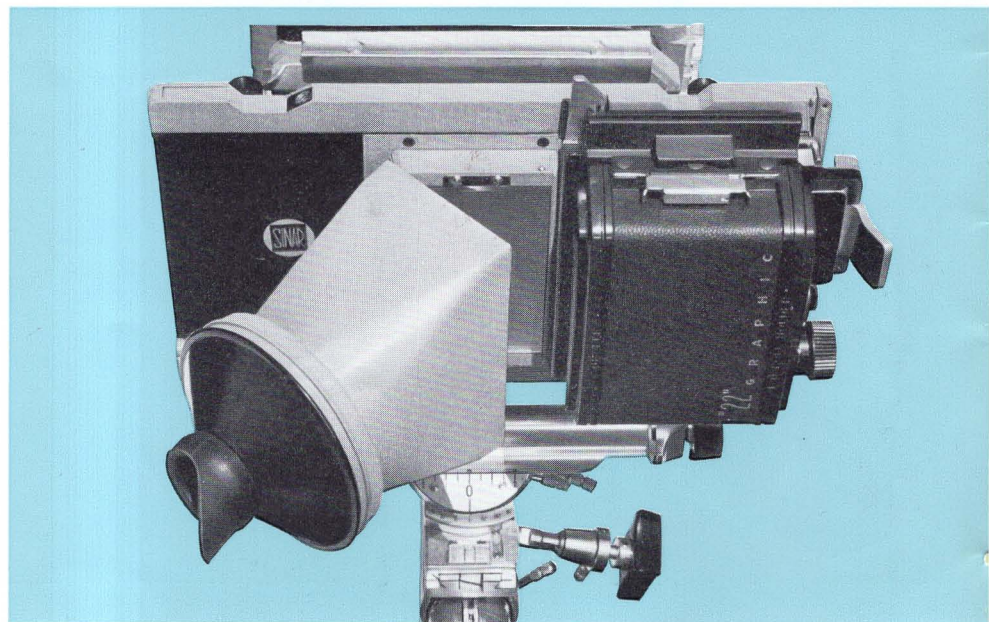
require very rapid interchange of formats: **SINAR Reducing Adapters** (above and pages 18/19), attachable to rear frame, reduce the format instantaneously (for completely Interchangeable Backs see pages 18/19). Entire camera swivels around its optical bench. Mat box bellows with mask is adjustable in any direction, and can be easily detached for ready access to lens. Ever-ready clamps on top of groundglass frame permit rapid insertion of film holders. All adjustments including automatically controlled **SINAR** shutter are operated from photographer's position behind groundglass. Adjustment controls are on **ONE** side—left or right—, freeing second hand for shutter release. $2\frac{1}{4} \times 3\frac{1}{4}$ " Rapid adapter (following page).

In Portrait and Fashion Photography you work faster with the **SINAR**.



The SINAR RAPID Adapter

is as responsive as a top fashion model:

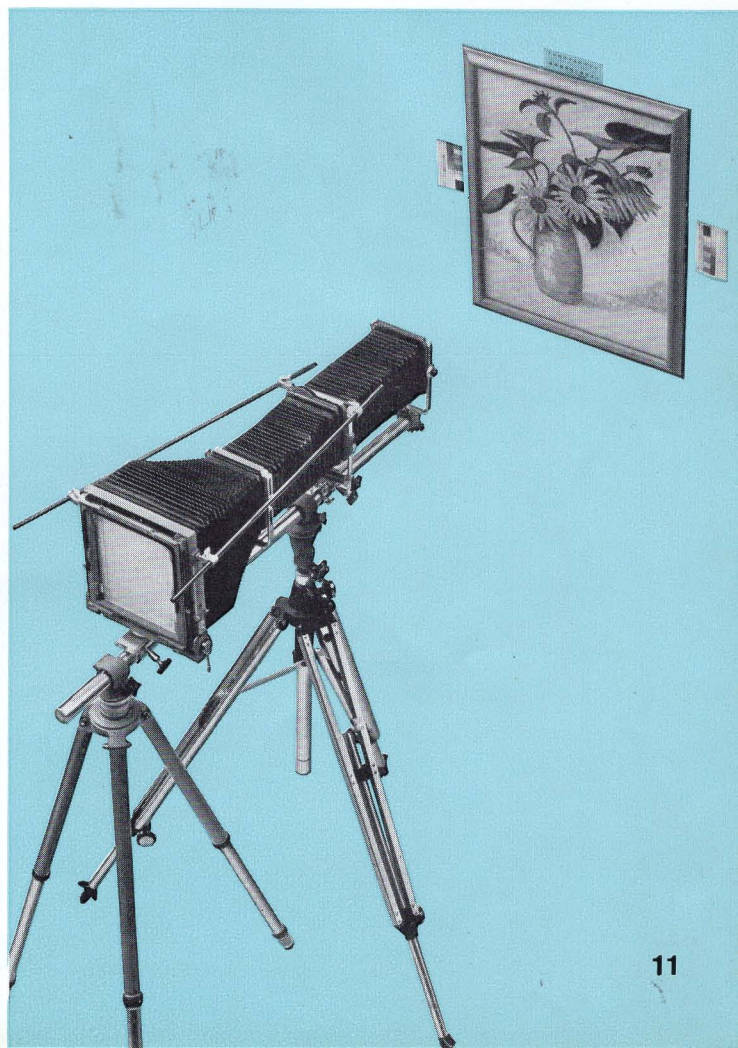
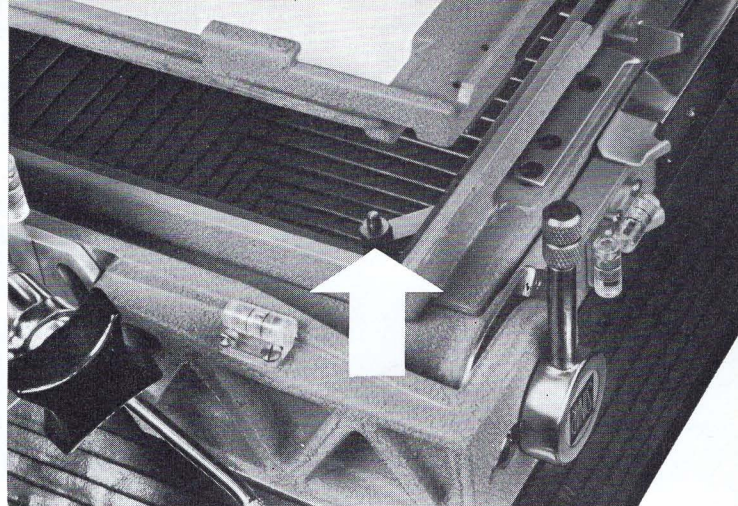


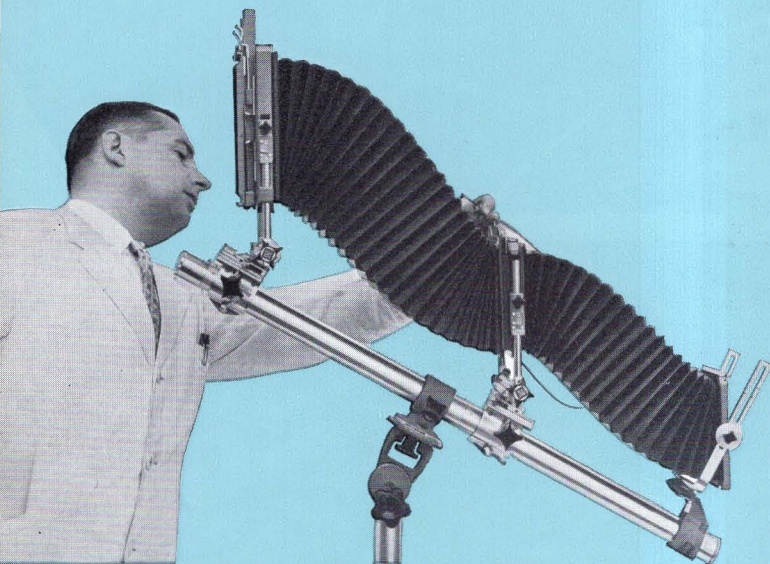
Both $2\frac{1}{4} \times 3\frac{1}{4}$ " and $2\frac{1}{4} \times 2\frac{1}{4}$ " formats for roll film, sheet film and film packs. Automatic darkslide between groundglass and film. Fast, ONE-stroke sliding action with snap-lock. Flattening device for roll film, suitable for small size color separation. Automatic rear control of universal SINAR shutter combined with double exposure prevention. Detachable focusing hood can be supplemented by focusing magnifier.

The SINAR Rapid Adapter is ideally suitable for commercial Photography on an economy budget, as it permits the use of smaller size roll color film.

COPYWORK, Test shots and Color separation with the SINAR

Both auxiliary frame (page 7) and larger sized interchangeable backs can be mounted on optical bench as focusable stages. Extensible optical bench, auxiliary frames and parallel extension bellows offer unlimited extension. Outstanding optical rendition of APOCHROMATIC lenses used in Color work require the SINAR's precision registration. Built-in registration pins, which keep plate in place, special multicolor plate holders and stabilization rods make the SINAR $8 \times 10"$ ideally suited for color separation and test shots. The SINAR $2\frac{1}{4} \times 3\frac{1}{4}"$ Rapid adapter with its special film flattening device may be used for small size color separation. The SINAR serves BOTH as View Camera and Reproduction Camera.

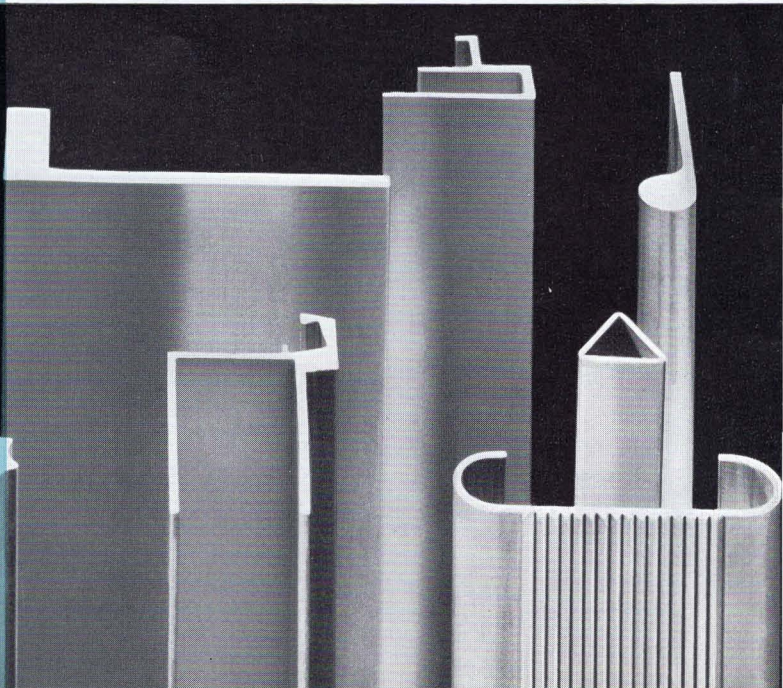
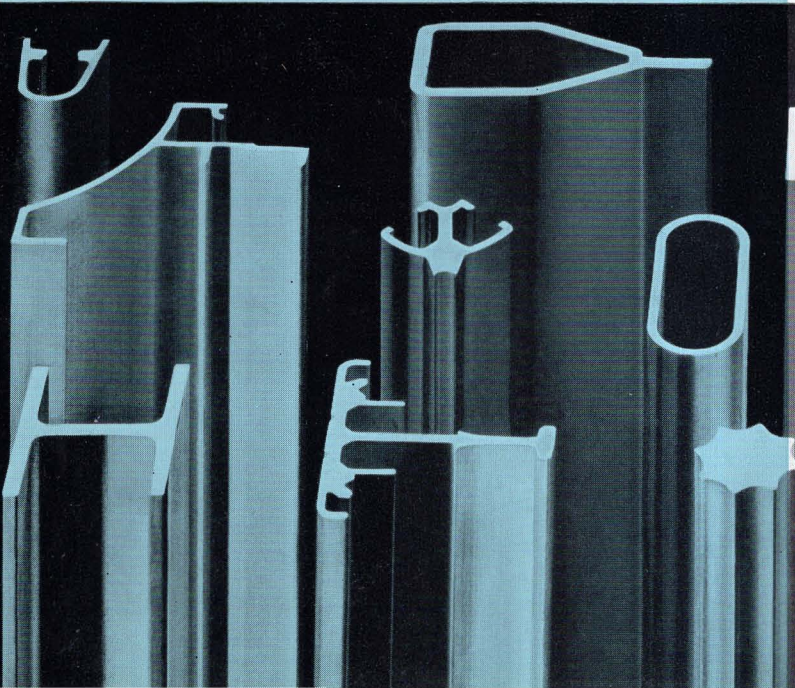


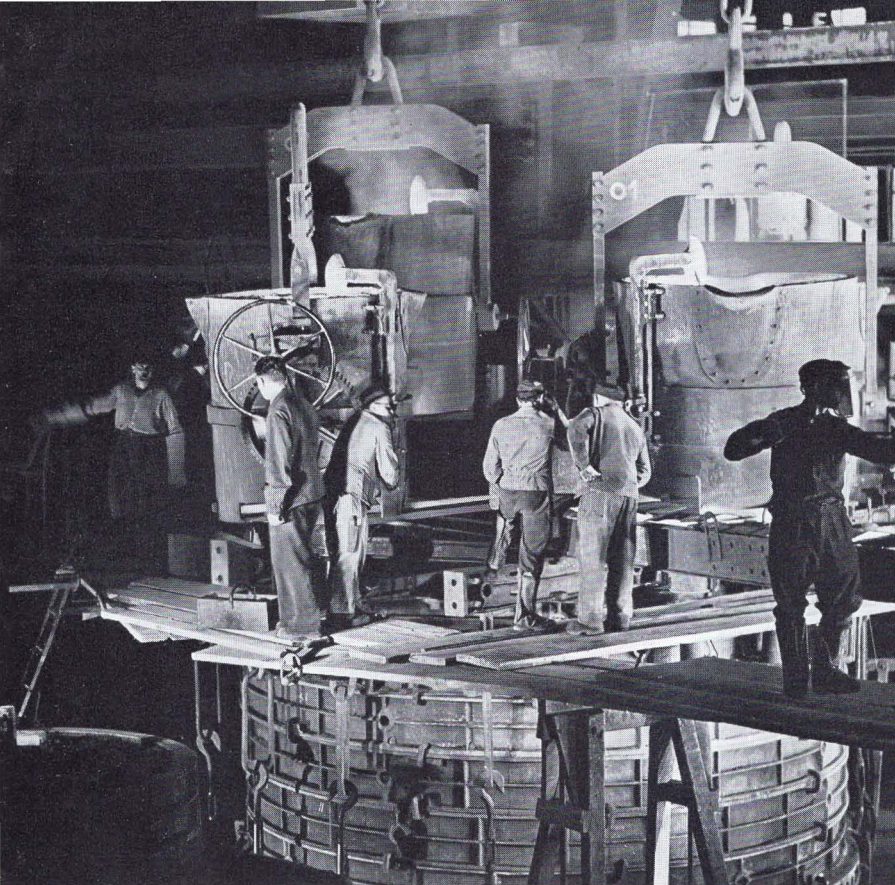


Commercial Photography

is enormously simplified by these unique **SINAR** features: Extreme base-centered tilting of both front and rear frames. Swiveling of entire camera around its optical bench. Both optical bench and bellows can be extended without limitations. Mat box bellows follows tilt of camera and is supported by optical bench, with no vibration stress on front frame. **SINAR** shutter may be operated from behind groundglass. Groundglass has ruled grid and accurate center crosshair. Graduations with precise click-stop centermarks. Positive tightening locks allow individual settings of adjustment controls. Leveling gauges visible in any position. Coarse and fine focusing with smooth microgear operation. Lightmetal construction with plastic inserts permits all movements without inside vibration.

The **SINAR** means unexcelled versatility.

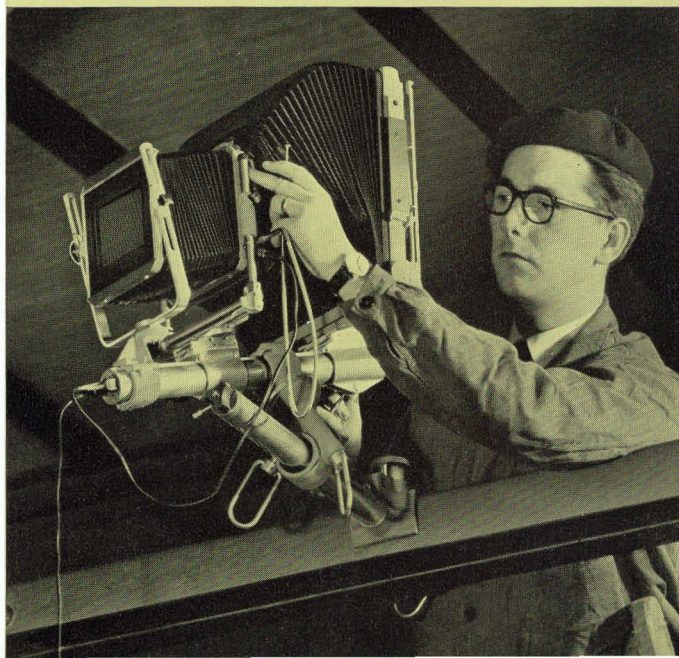


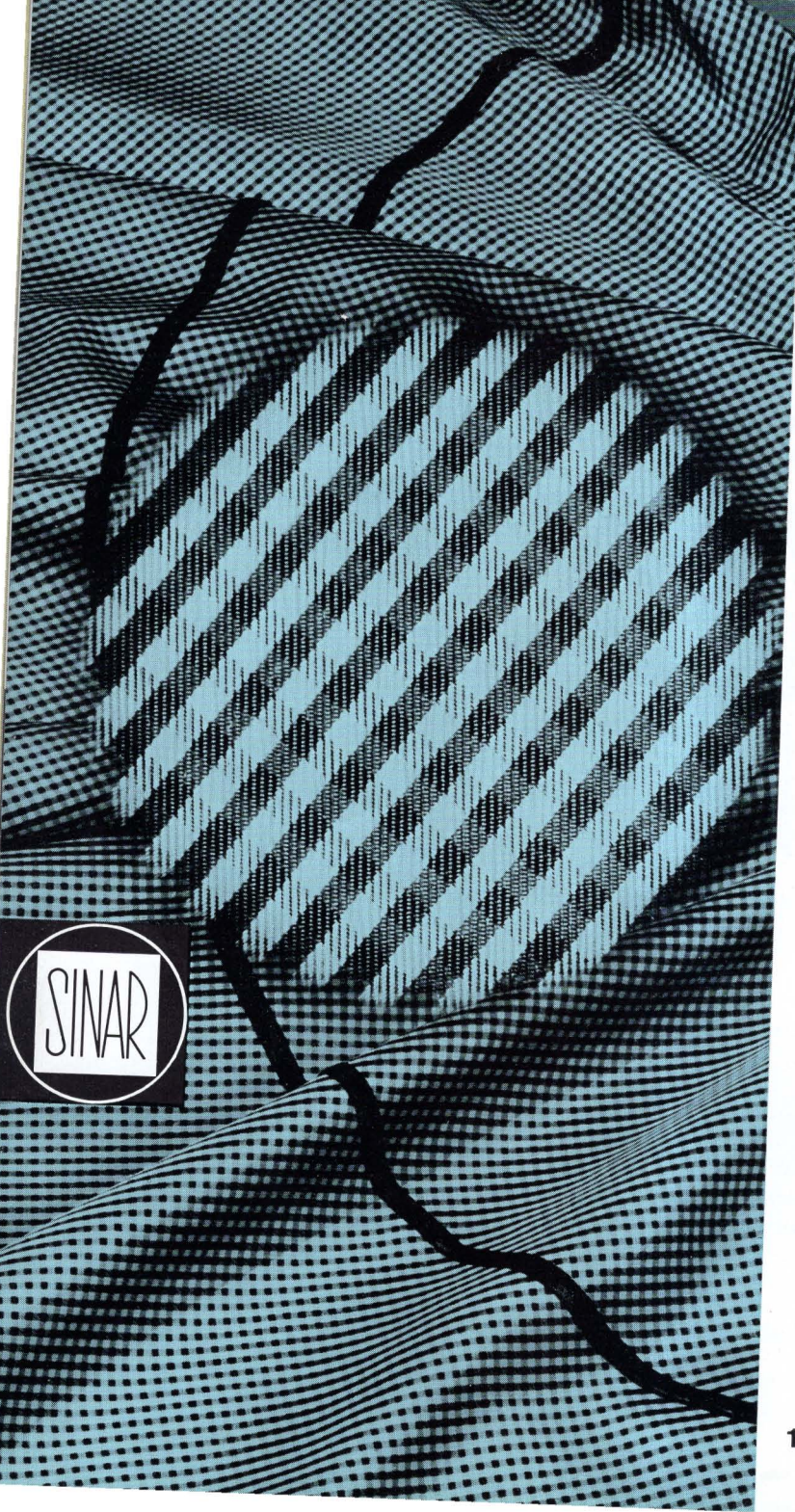


Industrial Photography

demands a versatile, fast handling camera of rigid construction. Add the following **SINAR** features: All-purpose clamp and camera holder permit most awkward camera positions, essential for imaginative photographs. Extreme fall and rise, tilting, left/right shifts, side swings. Synchronized **SINAR BC** flash unit (page 15) fires up to 20 flash extensions for large scale illumination. Dust and humidity proof construction.

13 The **SINAR** offers you maximum photographic efficiency with a minimum of equipment.



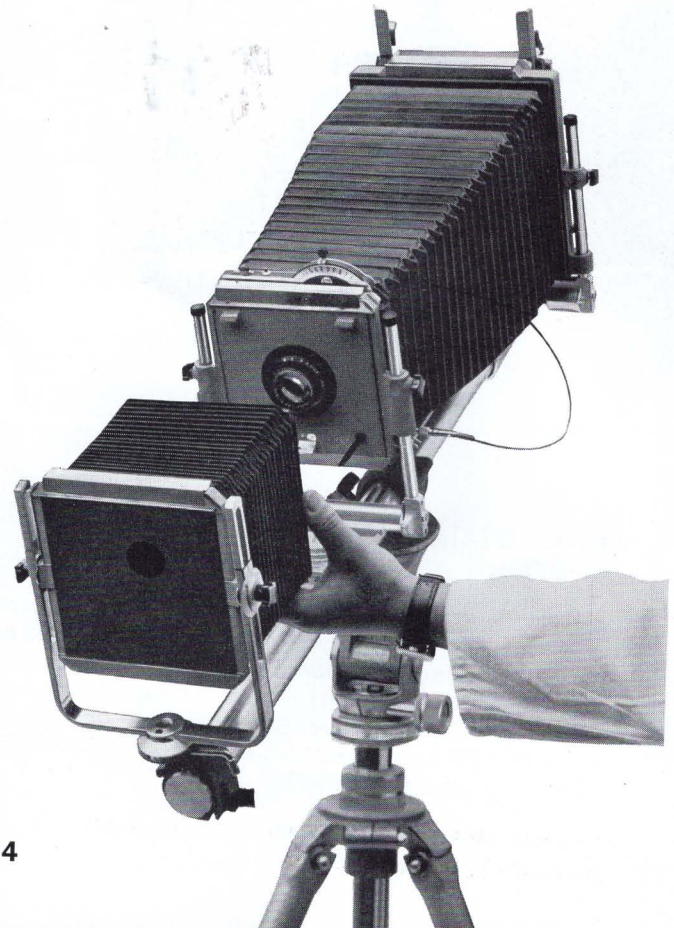


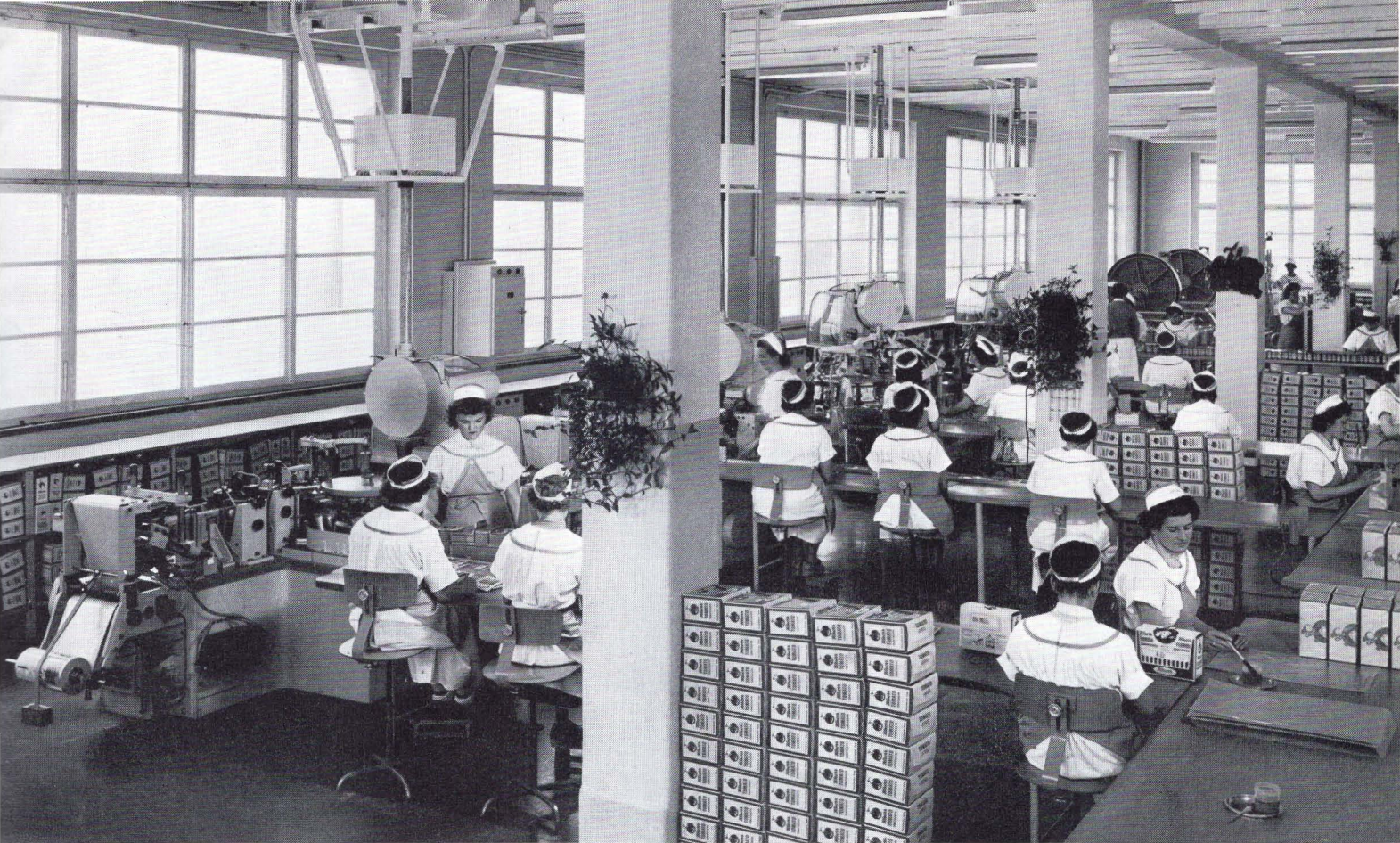
Multiple Exposures

for photo montages and trick shots, even with color film, are of particular value to the creative photographer: Mat box bellows holds corresponding masks, is adjustable in any direction and can be easily detached for ready access to lens. Groundglass with ruled grid and accurate center crosshair. Mask may also be inserted into rear frame of camera.

The same set-up serves also for duplicating color transparencies or correction of converging lines.

There is a SINAR accessory for any special Application.



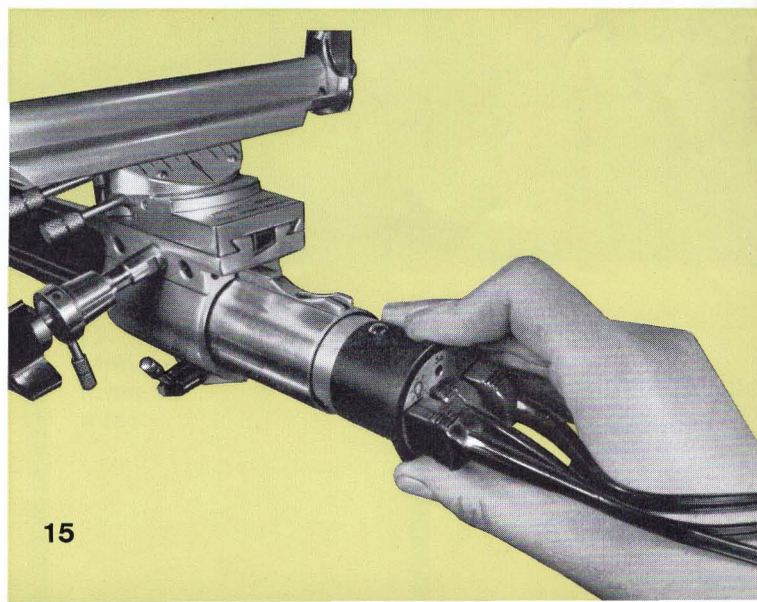


Color photographs of large scenes with mixed daylight and artificial light require the

SINAR BC flash Insert

which fires up to 20 flash extensions simultaneously. Lightweight and handy it is ideal for testing both shutter and circuit with built-in testlight. For picture taking it fits conveniently into the optical bench of the SINAR.

Another SINAR exclusive.



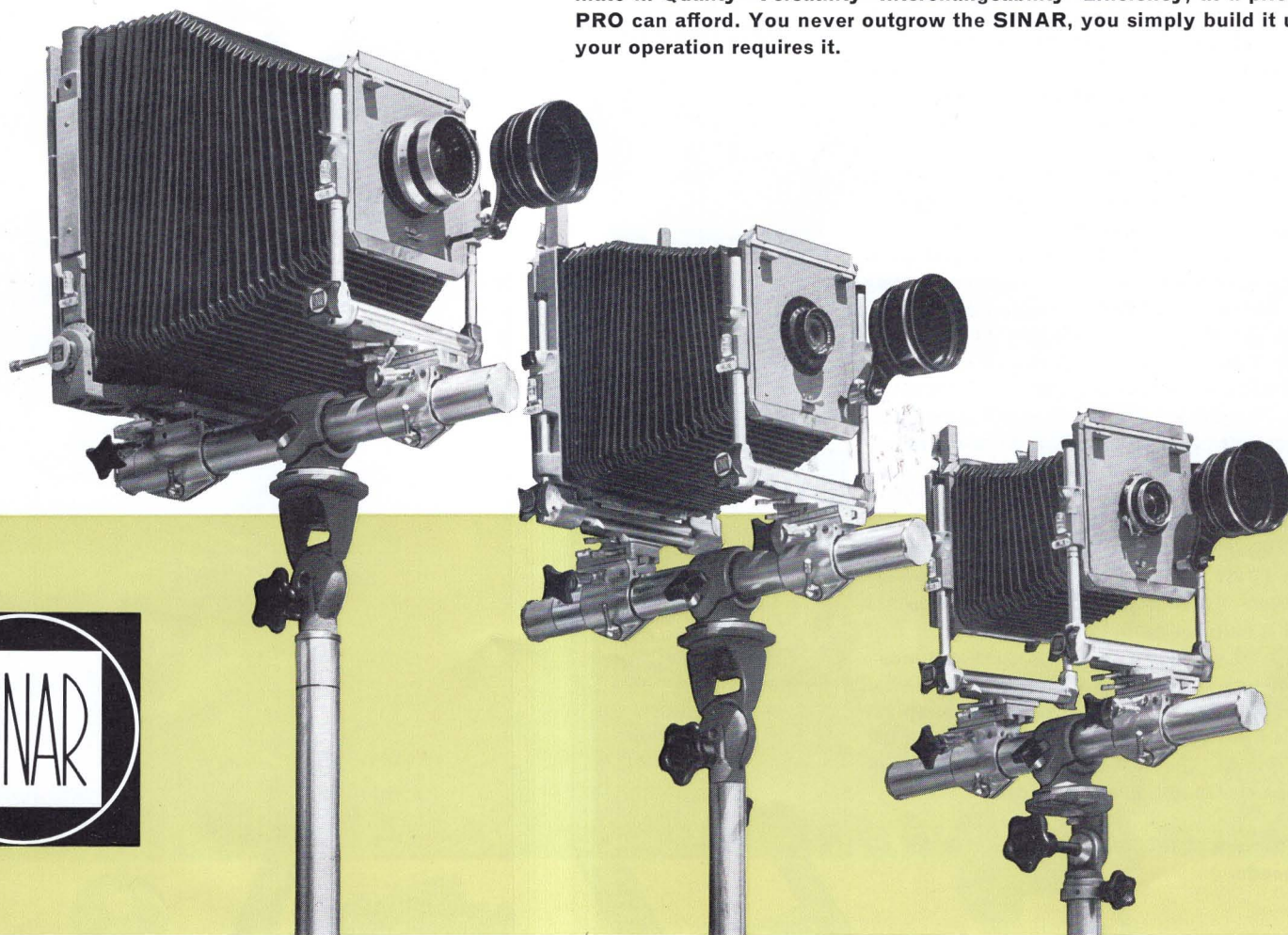
Practical needs demanded a better Tool...

so was the SINAR created

**SINAR "Construction-Unit"
System
Free Choice of Formats ...
This is the Viewcamera of the
Future!**

SINAR STANDARD, the Basic Viewcamera

is the key to the entire SINAR system. With its completely interchangeable back and bellows it can be supplemented or adapted to any format, for any type of photography, at any time. The **SINAR STANDARD** offers the ultimate in **Quality—Versatility—Interchangeability—Efficiency**, at a price any **PRO** can afford. You never outgrow the **SINAR**, you simply build it up, as your operation requires it.



8 × 10"
18 × 24 cm
(and smaller
formats)
11 lbs

5 × 7"
13 × 18 cm
(and smaller
formats)
9 lbs

4 × 5"
9 × 12 cm
(and smaller
formats)
7 lbs
2 1/4 × 3 1/4"
6,5 × 9 cm
2 1/4 × 2 1/4"
6 × 6 cm

TEN FORMATS with
ONE SINAR Camera . . .
ONE set of SINAR Accessories
for TEN FORMATS

The complete SINAR "Construction-Unit" System

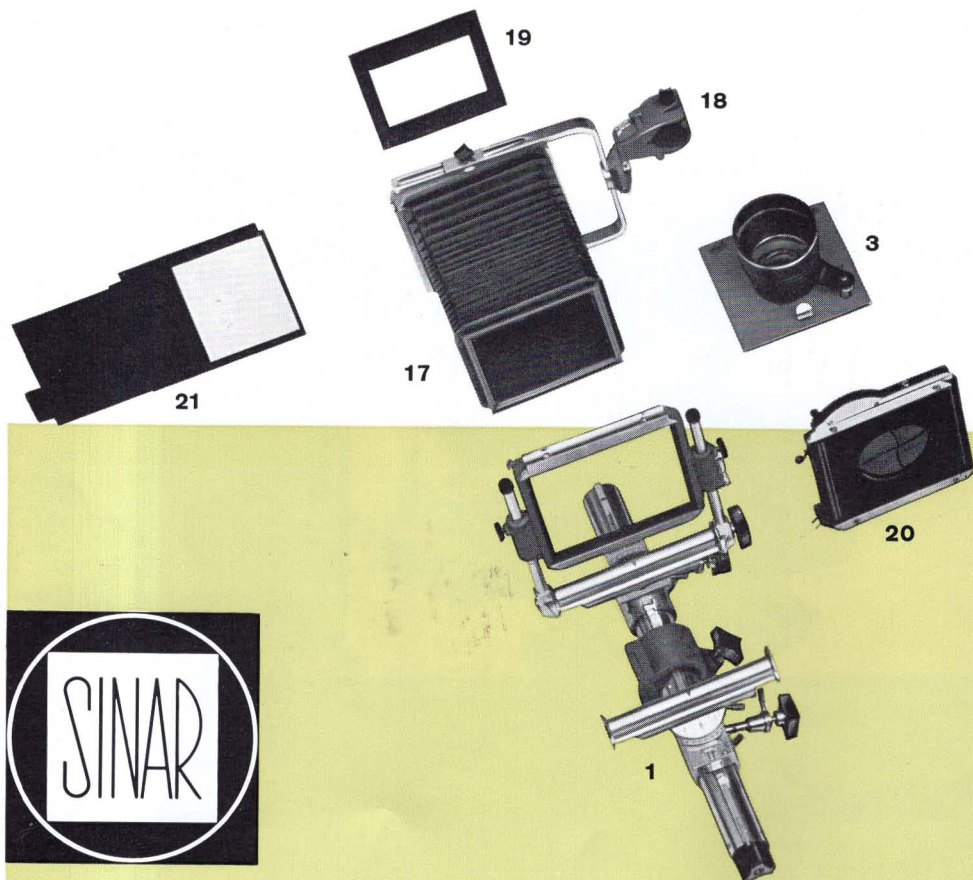
can be easily adapted to the rapid progress in industrial and professional photography as well as to all your personal requirements. Built around the **SINAR STANDARD—ONE** basic Viewcamera—the **SINAR** system simplifies, standardizes and saves you the investment in several heavier, bulkier and less versatile cameras.

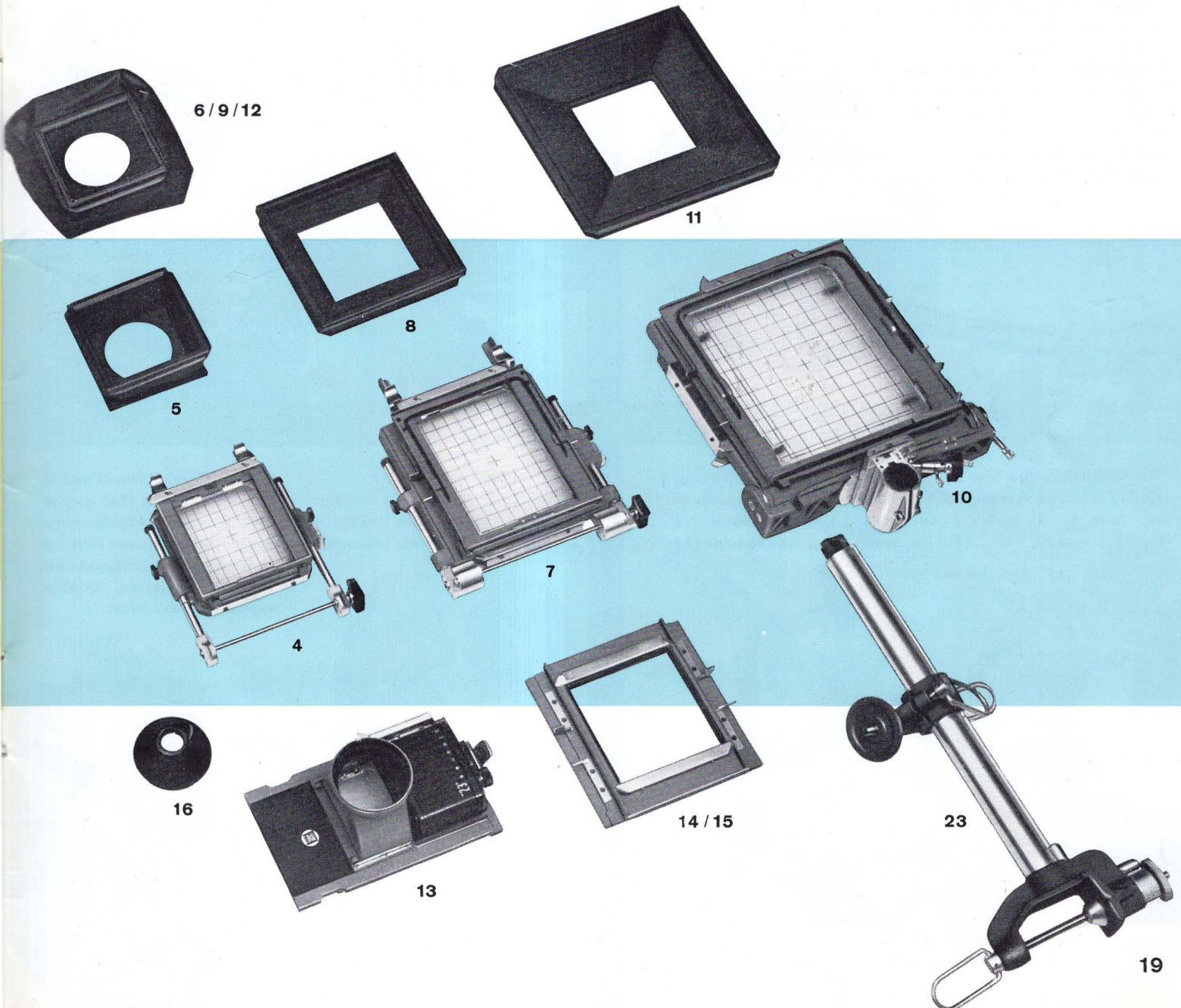
① **SINAR STANDARD** without rear frame, with bench coupling for $4 \times 5"$ or $5 \times 7"$. ② **210V Optical bench extension** 18". ③ **220 Rear cap.** ④ **800 Lens board**, $5\frac{1}{8} \times 5\frac{1}{8}"$. ⑤ **360/600/510 Interchangeable back** $4 \times 5"$. ⑥ **510 Tapered bellows** (extensible to 16,5"). ⑦ **520 Wide-angle bellows**. ⑧ **1610/1630/1650 Interchangeable back** $5 \times 7"$. ⑨ **1650 Tapered bellows** (extensible to 20"). ⑩ **1660 Wide-angle bellows**. ⑪ **2000/40/50/70 Interchangeable back** $8 \times 10"$. ⑫ **2070 Tapered bellows** (extensible to 26"). ⑬ **2080 Wide-angle bellows**. ⑭ **620/630 Rapid adapter** $2\frac{1}{4} \times 3\frac{1}{4}"$ and $2\frac{1}{4} \times 2\frac{1}{4}"$. ⑮ **1640 Reducing adapter** $5 \times 7"$ to $4 \times 5"$. ⑯ **2055 Reducing adapter** $8 \times 10"$ to $5 \times 7"$. ⑰ **2060 Reducing adapter** $8 \times 10"$ to $4 \times 5"$. ⑱ **850 Focusing magnifier**, 855 **Board for magnifier**. ⑲ **530 Parallel bellows** (extensible to 16,5"), suitable as bellows extension or mat box. ⑳ **400 Auxiliary frame**. ㉑ **1050 $4 \times 5"$ mask** for mat box bellows. ㉒ **1200 SINAR universal shutter** and 1250 **SINAR simple shutter**. ㉓ **925 SINAR front surface mirror**. ㉔ **1450 SINAR BC flash insert**. ㉕ **950/955/960/210V SINAR All-Purpose clamp and camera holder**.

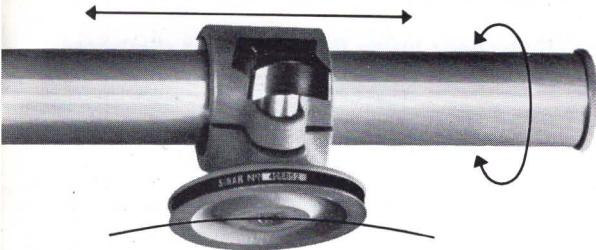
ONE camera, ONE set of accessories for all your needs.

NOTE:

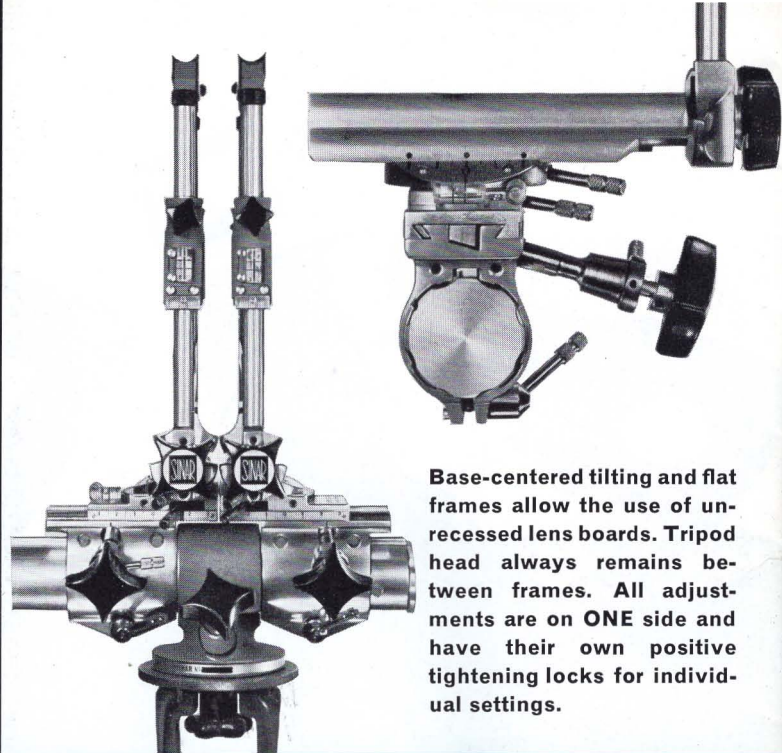
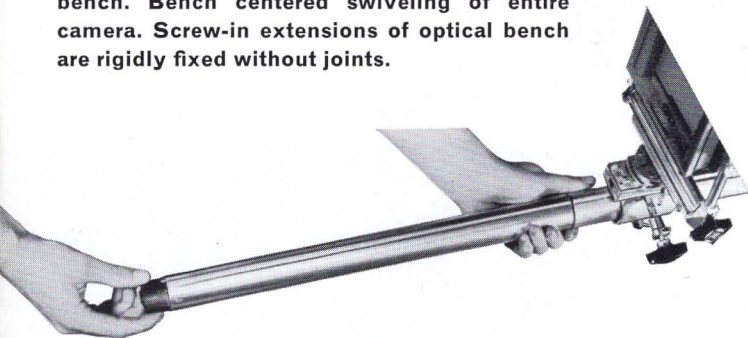
Reducing adapters reduce the format more rapidly, but not the weight and volume of the camera. Interchangeable backs change the format **AND** the weight and volume of the camera. They are also flatter and therefore better suitable for use of wide-angle lenses.







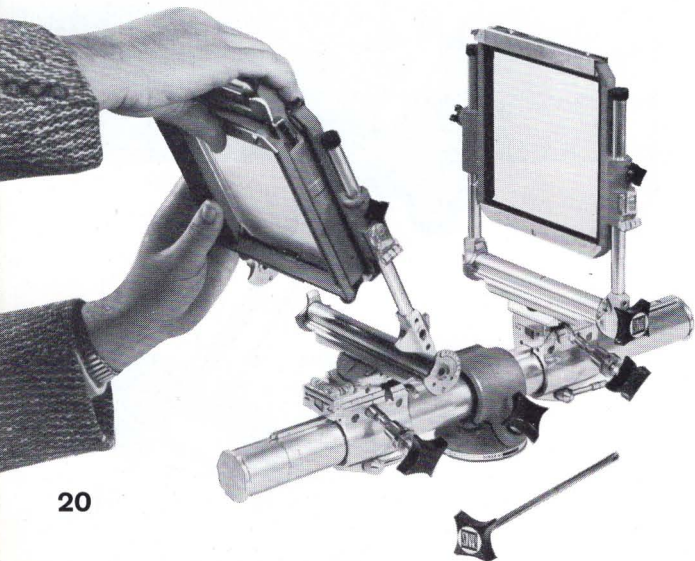
Tripod head with large seating area, hollowed in the middle. Socket accepts long tripod screw. Easy movement on extensible optical bench. Bench centered swiveling of entire camera. Screw-in extensions of optical bench are rigidly fixed without joints.



Base-centered tilting and flat frames allow the use of unrecessed lens boards. Tripod head always remains between frames. All adjustments are on ONE side and have their own positive tightening locks for individual settings.

Precision engineered Components of

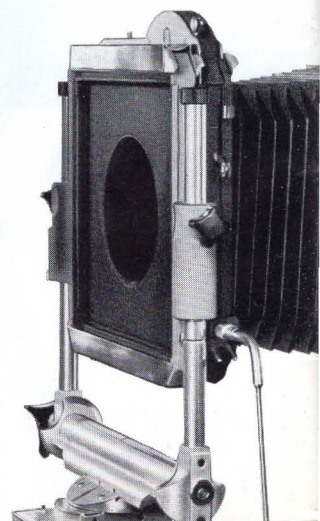
The SINAR is the first and ONLY viewcamera with completely Interchangeable Backs and Bellows for rapid switching from $4 \times 5"$ to $5 \times 7"$ to $8 \times 10"$. Rapid Adapter for $2\frac{1}{4} \times 3\frac{1}{4}"$ and $2\frac{1}{4} \times 2\frac{1}{4}"$. (For Reducing Adapters see page 19.)



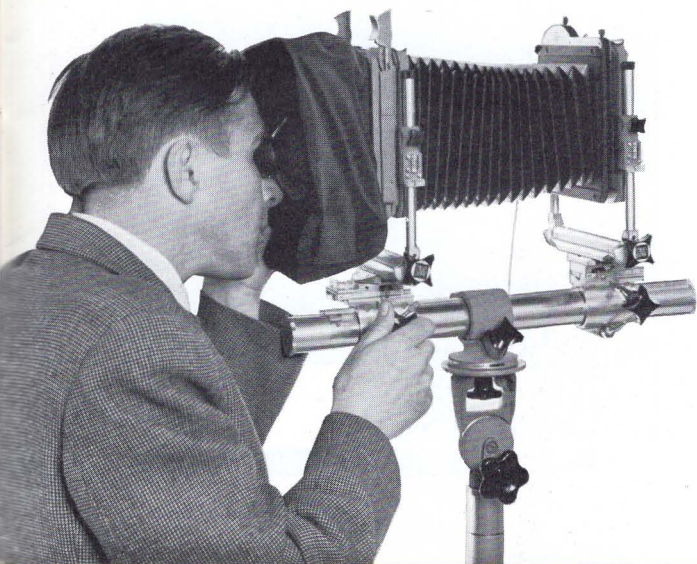
Two SINAR shutters (patented): Simple shutter: M ($\frac{1}{25}$ sec.) and B. Universal shutter: $\frac{1}{50}$ to 8 sec., B and T.



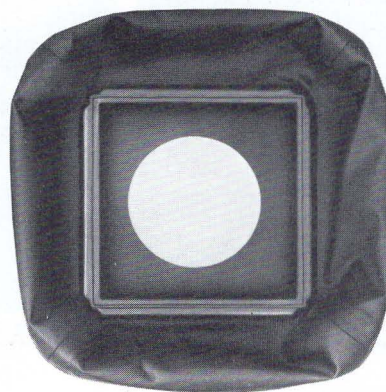
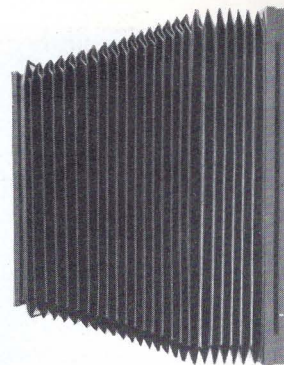
Built-in filterholder, M and X synchronization. Red signal indicating, if shutter is open, rear cable release closing shutter automatically, as film holder is inserted, double exposure prevention.



Critical focusing on the groundglass with wide-angle bellows used as focusing hood and attached focusing magnifier, excluding all extraneous light.



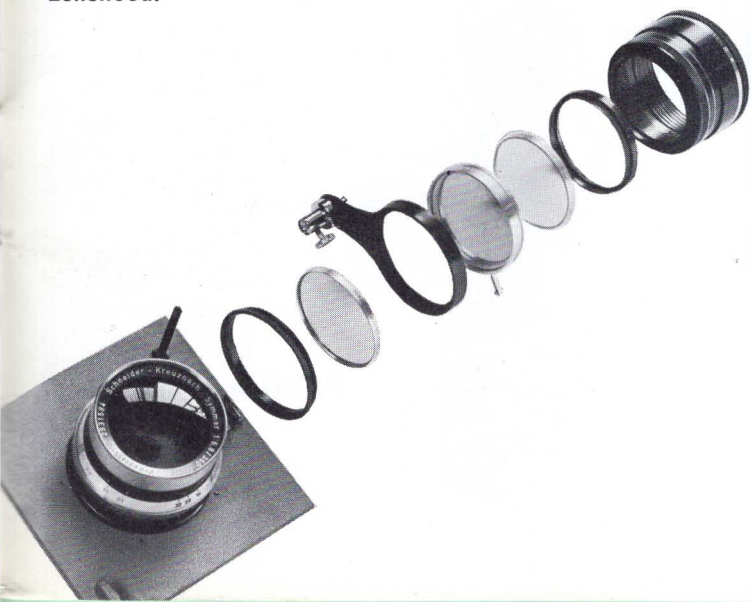
**A bellows for every task!
Standard Bellows for 5 × 7" and 8 × 10" formats are partly parallel, partly tapered.**



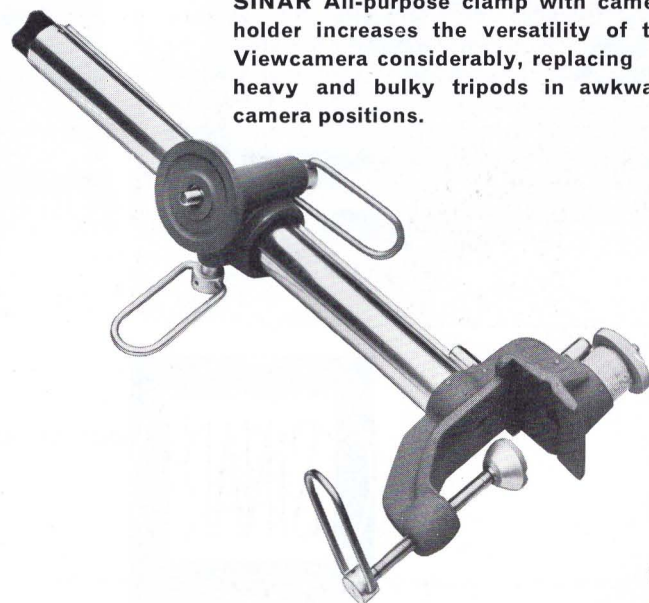
the thoroughly developed SINAR System



Swing-in SINAR universal filter holder is standardized for ONE filter size. Additional filterrings and attachable Lenshood.



SINAR All-purpose clamp with camera holder increases the versatility of the Viewcamera considerably, replacing heavy and bulky tripods in awkward camera positions.



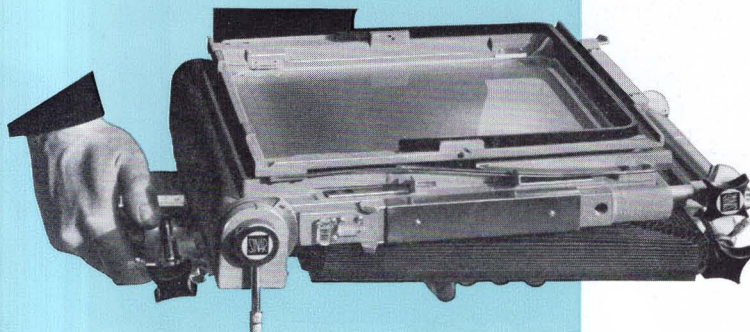
If your budget is limited ... start with a

SINAR STANDARD

the basic Viewcamera which can be supplemented or adapted to any format, for any type of photography, at any time. Compact, lightweight and completely collapsible.

SINAR STANDARD 4 × 5" (9 × 12 cm), 5 × 7" (13 × 18 cm) and 8 × 10" (18 × 24 cm) (see also page 17), consisting of: 1 Tripod head with coupling and chuck, 1 NORMA Optical bench 18" or shorter, 1 Rear cap, 1 Front cap, 1 Front frame, 1 Rear frame, 1 Tapered bellows, 1 Film-holder and Groundglass frame, 1 Lens board.

Registered Trademarks



For absolute maximum performance ... ask for the

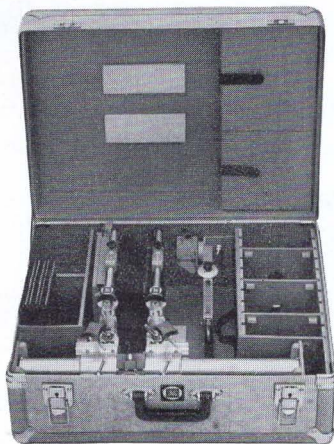
SINAR EXPERT

the ultimate in versatility, culminating many years of practical experience.

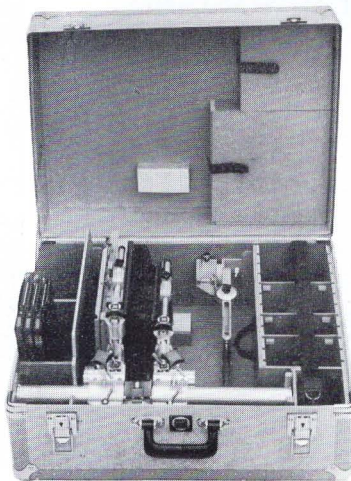
SINAR EXPERT 4 × 5" (9 × 12 cm), 5 × 7" (13 × 18 cm) and 8 × 10" (18 × 24 cm), consisting of: **SINAR STANDARD** plus 1 Optical bench extension 18" or shorter, 1 Wide-angle bellows, 1 Auxiliary frame, 1 Parallel bellows, extensible to 16,5", 1 Focusing magnifier, 1 Board for focusing magnifier (for 5 × 7" and 8 × 10" only), 2 Additional lens boards, 3 Filmholders (for 4 × 5" and 5 × 7" formats only), 1 Carrying suitcase.



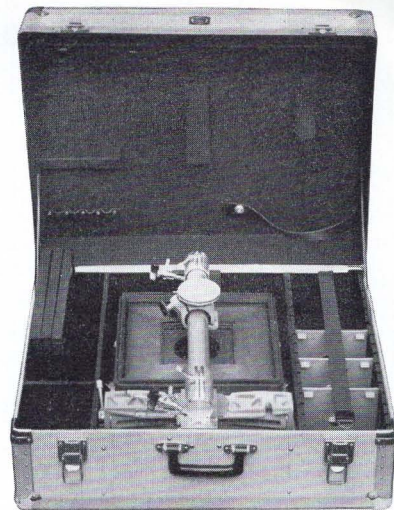
1



2



3



1 For SINAR EXPERT 4 × 5"
(9 × 12 cm) (15 × 21 × 9" — 9,5 lbs)

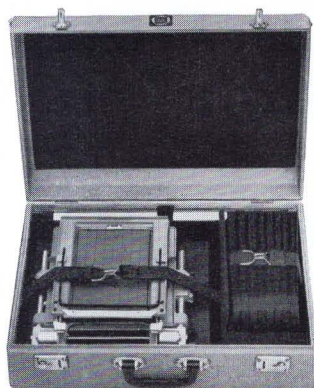
2 For SINAR EXPERT 5 × 7"
(13 × 18 cm) plus interchangeable
back OR reducing adapter to 4 × 5"
(9 × 12 cm) (17 × 22 × 11" — 11 lbs)

3 For SINAR EXPERT 8 × 10" (8 ×
24 cm) plus interchangeable back
OR reducing adapter to 4 × 5" (9 ×
12 cm) (19 × 24 × 10" — 12 lbs)

4 Carrying suitcase for interchange-
able back 5 × 7" (13 × 18 cm)
(13 × 19 × 6" — 5,5 lbs)

5 Carrying suitcase for interchange-
able back 8 × 10" (18 × 24 cm)
(14 × 16 × 8" — 11 lbs)

4



5



**All SINAR suitcases hold other
SINAR accessories, lenses and
filmholders as well.**

There is a SINAR carrying suitcase for every purpose

SINAR-Fachkamera-Bau, Schaffhausen

Telephone (053) 5 45 27

Switzerland

SINAR—the ultimate in modern camera design.
ONE VIEW CAMERA FOR ALL your needs!
Designed by Experts—for Experts.



U. S. Agents: KARL HEITZ INC.

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