

THE COMPLETE, COORDINATED ENLARGING SYSTEM

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Omega D-6 Pro-Lab

for all negatives
up to 4" x 5"

- zoom condensers
- triple lens turret
- extra-long girders
- masking device
- micromega focusing
- double extension bellows
- interchangeable lamphouses

Omega Enlargers

SIMMON
Omega



DESIGNED FOR MORE EFFICIENT AND MORE PROFITABLE LAB OPERATION.

The many new and highly convenient features of the Simmon Omega Pro-Lab D-6 will help the working pro make more money, since he will get top-notch results in less time and with less effort. This rugged instrument is an ideal tool for the discriminating working photographer to whom operating convenience, speed, and prints of unvarying top quality are of the utmost importance.

The highly convenient and time saving new features of this enlarger are:

A triple lens turret for almost instantaneous change from one focal length enlarging lens to another; a condenser lamphouse equipped with a 3-element zoom condenser system for rapid adaptation of its focal length to that of the enlarging lens for optimum uniformity of illumination; an adjustable, detachable masking device for easy composition; a twin track, double extension bellows making lens cups or auxiliary focusing attachments for reductions unnecessary; extra-long girders for giant en-

largements on the baseboards; and an oversized baseboard for maximum stability of the enlarger structure and for convenient easel movement.

The substantially built Pro-Lab D-6 enlarger also offers the well known features of the famed "D" series of Omega enlargers, including twin inclined girder construction, along with the amazing flexibility of the Omega system which includes a full range of easily interchangeable lamphouses, negative carriers, lens mounts, and a wealth of optional attachments and accessories.

This wide range of attachments and accessories enables the photographer to assemble a tailor made combination for his own individual requirements.

In this way, the Pro-Lab D-6 enlarger is ideally suited to cope efficiently with a wide range of photographic problems encountered in the darkroom by the professional photographer and to help solve them easily, quickly, and with consistently top notch professional results.

1 ZOOM CONDENSERS

A single knob adjustment of the three-element condenser system adjusts its focal length to match that of the enlarging lens, resulting in even light distribution. This eliminates handling as well as any need for accessory condensers, resulting in more efficiency, convenience and speed.

A filter holder which is placed inside the zoom condenser housing is supplied as standard equipment. It positions the filter in the light path above the condenser housing, so that dust or scratches on the filters will not show on the print.

2 INTERCHANGEABLE LAMPHOUSES

In addition to the triple-condenser lamphouse, the Pro-Lab D-6 may be equipped with easily interchangeable lamphouses designed for color, B&W diffusion, or microfilm printing.

3 TRIPLE LENS TURRET

A triple-turret accommodates three lenses ranging in focal length from 50mm to 150mm, permitting instantaneous interchange. A special rapid interchange lensboard is also available to accommodate lenses of shorter or longer focal length than those within the above range, or those very few lenses which for some reason cannot be fitted to the triple lens turret.

4 MICROMEGA FOCUSING

Dual-range Micromega focusing features a normal adjustment focusing knob and a fine focusing knob conveniently located in a forward position, for ease and accuracy of focusing, especially helpful with short focal length lenses.

5 DETACHABLE MASKING DEVICE

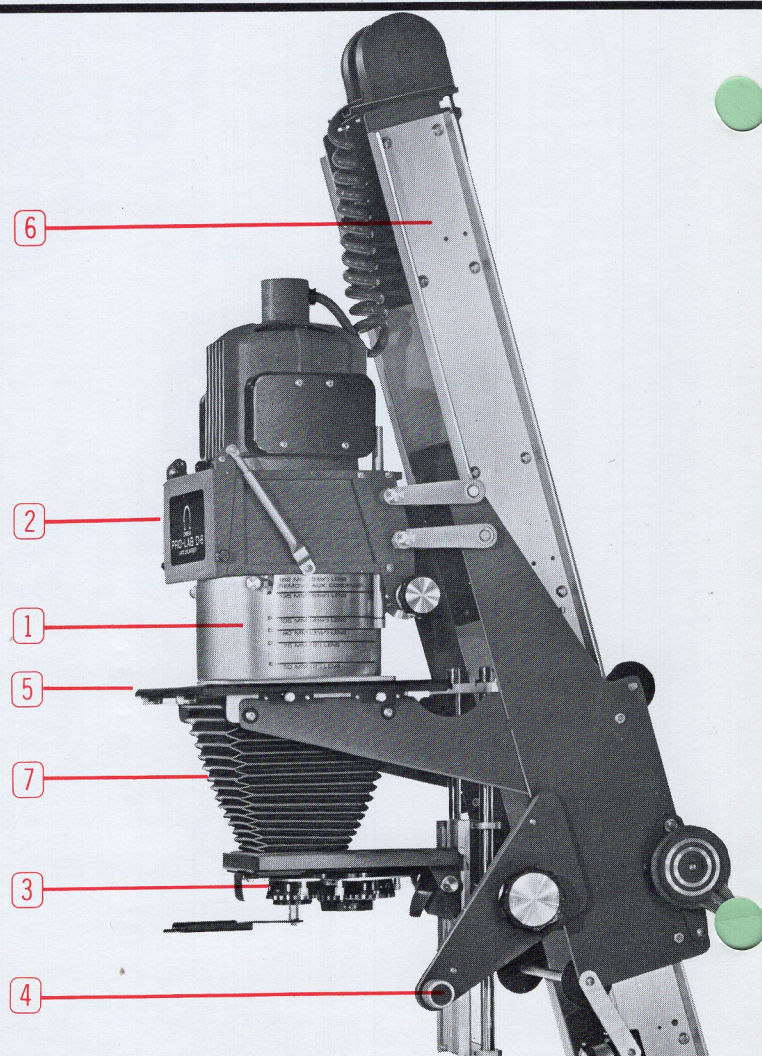
The adjustable, detachable masking device provides complete masking control for virtually any portion of any size negative for easy composition. It masks at the edges as well as the center.

6 UP TO 40% GREATER MAGNIFICATION

Extra-long girders and an oversized 18" x 34" baseboard permit up to 40% greater magnification directly on the baseboard.

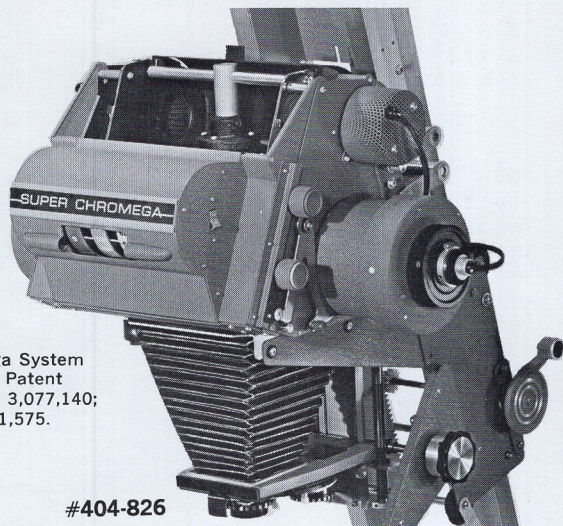
7 DOUBLE-EXTENSION BELLOWS

An adjustable double-extension bellows extends the focusing range of all lenses and permits reduction printing without extension attachments. Eliminates need for lens cones.



MORE THAN AN ENLARGER . . . A TOTAL OMEGA SYSTEM!

SUPER CHROMEGA D LAMPHOUSE



Super Chromega System is protected by Patent Nos. 3,028,483; 3,077,140; 3,316,804; 3,371,575.

#404-826

Features two 150-watt, 24-volt Tungsten Halogen lamps for intense light output with absolutely no blackening with age. The result is constant light output and uniform color temperature for the life of the lamps. Light from each lamp is focused by a high-efficiency elliptical reflector and by light collectors into a light integrating sphere, where it is mixed thoroughly, or "integrated", by reflection in all directions. It is then directed down through the negative and lens. This type of diffused illumination virtually eliminates the need for retouching by eliminating or minimizing the effects of scratches, and similar negative defects.

For color work, two sets of geared, triple filter wheels—one each for the three subtractive colors, cyan, magenta, and yellow—are actuated by color-coded control knobs, providing a density range from 0-180. No need for supplementary filters for additional filtration. Since the filter wheels are located between the elliptical reflectors and the light integrating sphere, relatively small and inexpensive acetate filters are used. The need for numerous filters, each larger in size than the negative, and therefore costly, is completely eliminated. So is the clumsy handling of a filter pack. The filtration is completely stepless resulting in greater accuracy of filtration.

Three interchangeable light integrating spheres for each of the most popular negative sizes—35mm, 2 $\frac{1}{4}$ " x 2 $\frac{3}{4}$ " (may be adapted to 2 $\frac{1}{4}$ " x 3 $\frac{1}{4}$ ") and 4" x 5"—provide more light for smaller negative sizes, resulting in extremely short exposure times.

The Super Chromega lamphouse is equally efficient for printing brilliant black-and-white enlargements including use with variable contrast papers.

A built-in fog-free Dial Light illuminates the color filter scales, and may be switched off at will.

When one of the Tungsten Halogen lamps burns out, a warning light appears on the power supply. In addition, the power supply has a 2-position lamp-saver switch. When focusing and composing, the lamp is used at lower voltage, greatly extending the lamp's normal life span.

Requires Adapter Kit (#429-128) to attach Super Chromega D Lamphouse to D6. Ask for special literature on Super Chromega System.

OMEGALITE LAMPHOUSE

#404-803

The soft, diffused, fluorescent light illumination of the *Omegalite lamphouse* is excellent for portraiture, magazine illustration, fashion work, and advertising photography, where a spotless, pleasing print is desired. It gives results about one-half to one grade of paper contrast softer than the condenser lamphouse. (It is not recommended for variable contrast papers or color print materials.) Requires Adapter Kit #429-121 to attach Omegalite Lamphouse to D-6.

DM LAMPHOUSE

A pin-point high intensity light source for microfilm, Ektalith prints, and microscopy and other scientific applications. (Ask for specific literature.) Requires Adapter Kit #429-120 to attach DM Lamphouse to D-6.

XENOMEGA LIGHT SOURCE

#407-035

Converts the D-6 condenser lamphouse to pulsed-Xenon operation. It offers 1350 watts of pulsed Xenon power about 70 times the printing speed of conventional No. 211 opal lamps, and is ideal for graphic arts work, direct-screen color separations, photo murals, etc.

HEAVY DUTY FLOOR STAND

#413-001



Permits extra fast image control particularly for giant prints. 24" x 32" baseboard raises and lowers. Parallel track casters permit use as enlarger carriage for horizontal mural enlarging (with horizontal projection attachment.) The baseboard tilts to permit distortion correction.

HEAVY DUTY WALL MOUNT HEAVY DUTY WALL BRACE

#429-092

#429-095

Heavy duty steel mount and brace attach enlarger directly to wall for maximum rigidity and space saving.

POWER LIFT

#412-001

Pushbutton remote-control permits operator to raise and lower lamphouse from sitting position and offers instant-stop. Attached easily without tools.

POWER FOCUS

#412-024

Remote-control feature permits observing image close-up while enlarger head is out of range of hand focus. Has fast/slow control to compensate for different focal length lenses. Separate up and down pushbuttons.

EXHAUST BLOWER ATTACHMENT

#412-020

Exhaust Blower Attachment may be attached to the Condenser Lamphouse when lamps of higher wattage are used, such as 250 Watt Photoflood Lamp. (ask for special technical data sheet)

RAPID INTERCHANGE LENSBOARD

Can accommodate lenses under 50mm, or over 150mm.

#421-110



SUPER CHROMEGATRON COLOR/EXPOSURE ANALYZER

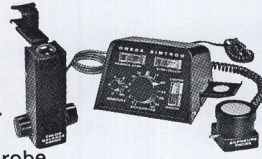
Incorporates the latest advances in space-age solid state electronics, to provide a compact, easy-to-operate, lightweight, highly precise exposure and filtration analyzer for color printing. Ideal companion to the Super Chromega enlarger, for the optimum in color print quality. Incorporates a fibre-optic and probe for spot readings. Built-in memory bank retains filtration and exposure data for consistency in print results. Supplied with Integrating Light Attachment.



#414-005

SIMTRON ELECTRONIC COLOR ANALYZER

Automatically analyzes negatives by the integration method and determines correct color filtration and exposure time. Color balance probe mounts beneath the lens, determines proper filtration electronically by balancing 2 reference meters. Exposure probe for spot readings. Built-in memory bank retains filtration and exposure data for consistency in print results. Supplied with Integrating Light Attachment for exposure probe.



#414-002

DENSITOMETER AUTOTIMER

Photocell-controlled enlarging exposure timer for black-and-white printing. Dial paper setting, aim cell, push button. Timega turns the enlarger off when proper exposure has been made. Accessories include power relay, automatic roll easel printing attachment, remote switch box for wall mounting, 36" ultra-flex arm for extended range of coverage.



#461-002

VOLTAGE STABILIZER H400

Maintains constant voltage for consistent light output and color temperature. A requisite accessory for color printing to ensure uniform results print after print. Part of the Omega D-6 color printing system, together with the Super Chromega D Lamphouse and the Super Chromegatron Analyzer.

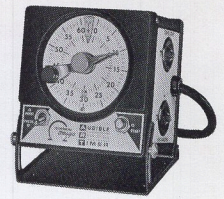


#404-846

AUDIBLE REPEATING TIMER

#461-001

Audible or silent timing. Luminous dial calibrated from 1-60 seconds. Self-resetting. Focus and print switch. Turns enlarger on and off. Wall or table mounting w/adjustable tilting base. 750 watts, 110VAC, 60 cycles.



SAUNDERS-OMEGA EASELS

Single size easels provide fastest operation with a single size sheet. Adjustable borderless easels have a unique design which permits borderless enlarging without the use of adhesives, vacuum, glass, etc. Adjustable universal easels feature four stainless steel masking bands to assure smooth, precise positioning anywhere on the easel. The multi-size print and repeat easels permit prints in standard sizes from one or several negatives on one sheet of paper. Saunders-Omega easels have a special 'focal yellow' surface which facilitates perfect focusing, yet absorbs the actinic rays which can cause fog and flare when reflected through the back of the paper during exposure. See Omega Pocket Guide for details.



LENSES

Superior quality enlarging lenses from the world-famous Rodenstock Optical Works of West Germany are available for Omega enlargers. Omegarons have the latest 4-element design, with optimum resolution, image brightness, and highest quality color rendition. Rodagons are 6-element designs with one rare earth element and are superior to any enlarging lenses currently available.

NEGATIVE CARRIERS

	Glassless, sandwich type for dust-free printing.		Transparency carrier, for un-mounted 35mm slides, with slot for gray scale. For ease in handling. Spool type, glass, & glassless rapid shift, for fast, dust-free printing.
	Glassless, rapid-shift type for dust-free printing & easy handling of strip film.		Plate holder for glass negatives.
	Glass type rapid shift for corner-to-corner sharpness.		2-pin registration, 4" x 5", glass type, for precise color separations.
	Transparency carrier, for convenient printing of mounted 35mm slides.		

MAGNIFICATION CHART

Larger magnifications are obtainable by the following methods — floor projection—floor stand—wall mounting—wall projection with horizontal projection attachment.

FOCAL LENGTH OF LENS	MAX. NEGATIVE SIZE LENS WILL COVER	MAGNIFICATION	
		MIN.	MAX.
25mm 1"	Minox	13	49.2
28mm 1 1/8"	Minox	12	45
35mm 1 3/8"	1/2 35mm	8.8	35.2
50mm 2"	35mm	.15	23.5
60mm 2 3/8"	35mm	.25	21
75mm 3"	2 1/4" x 2 1/4"	.4	14.8
80mm 3.2"	2 1/4" x 2 1/4"	.4	14.2
90mm 3 1/2"	2 1/4" x 2 3/4"	.5	12.3
105mm 4 1/8"	2 1/4" x 2 3/4"	.6	10.2
135/138mm 5 3/8"	4" x 5"	.8	7.4
150mm 6"	4" x 5"	.8	6.5

SPECIFICATIONS ELECTRICAL

LAMPHOUSE	Condenser	Omegalite	Super Chromega
POWER CONSUMPTION	75-150 Watts	22 Watts	380 Watts
LAMPS	#211 or #212 bulb	White & Blue 8 1/4" Circline	2-150 Watt Tungsten Halogen
VOLTAGE	115V	115V	110V-117VAC
CYCLES	50/60 HZ	60 HZ	50/60 HZ

MECHANICAL

LAMPHOUSE	Condenser	Omegalite	Super Chromega
DIMENSIONS, WITH LAMPHOUSE FULLY EXTENDED	71"	64"	65"
SIZE OF BASEBOARD	18 x 34 x 1 1/2"	Same	Same
SHIPPING WT.	82	74	122 lbs.
NO. OF CARTONS	2	2	3



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A DIVISION OF
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