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PLASTIC, INC.

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Presentations

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PRODUCTS FOR THE CREATIVE IMAGEMAKER

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Dear Image-maker:

We welcome you to the newest edition of the Wess Products "show room." Take your time and browse through the hundreds of image making and image projecting products, or turn to the index on page 79 to find an item quickly. New additions to this catalog include mounts for image formats up to 6x8cm, AHX High-definition Glassless Mounts, ZapStat Anti-static Lab Gloves, and the Wess MultiFormat Film Trimmer.

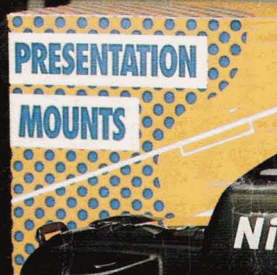
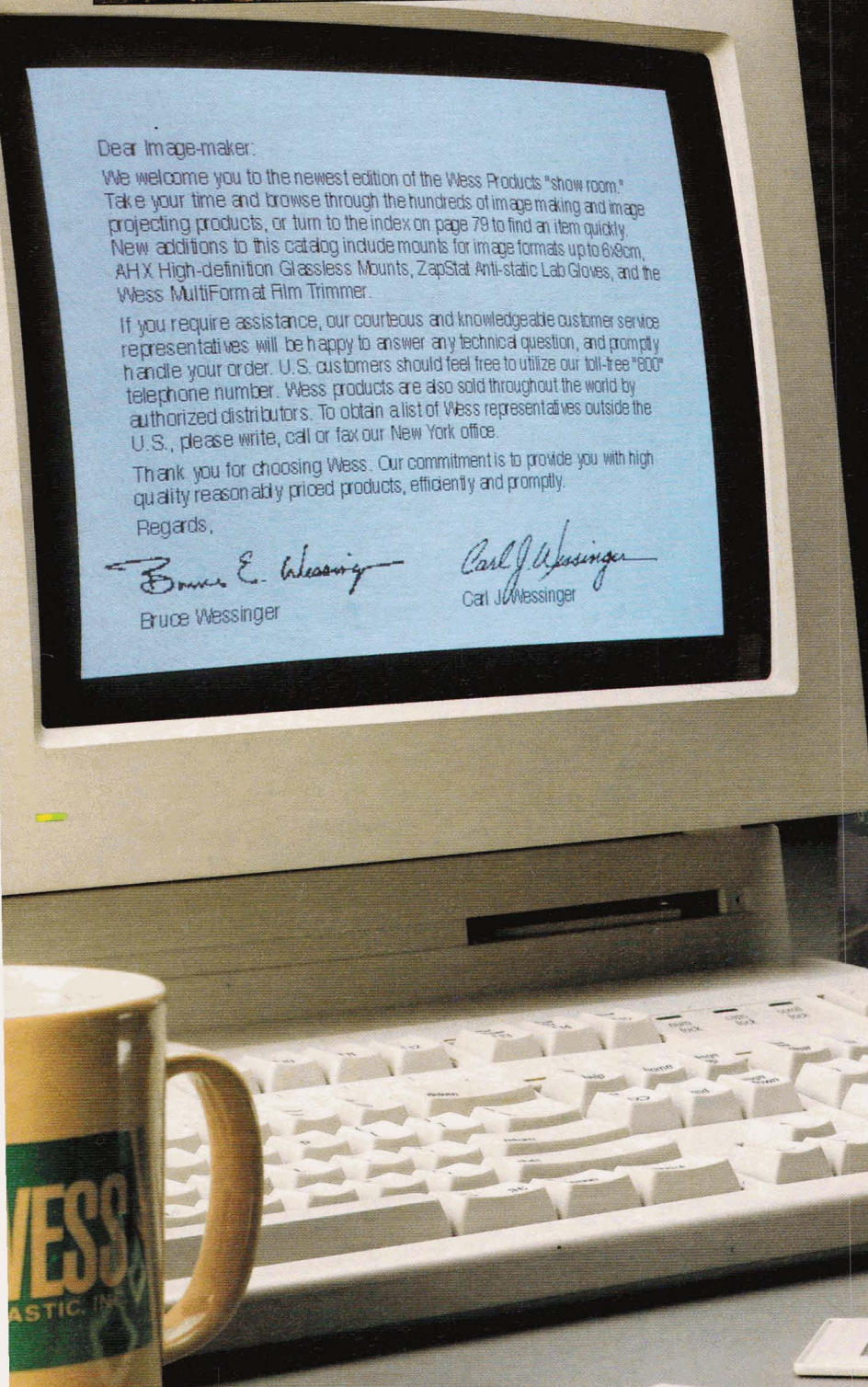
If you require assistance, our courteous and knowledgeable customer service representatives will be happy to answer any technical question, and promptly handle your order. U.S. customers should feel free to utilize our toll-free "800" telephone number. Wess products are also sold throughout the world by authorized distributors. To obtain a list of Wess representatives outside the U.S., please write, call or fax our New York office.

Thank you for choosing Wess. Our commitment is to provide you with high quality reasonably priced products, efficiently and promptly.

Regards,

Bruce E. Wessinger
Bruce Wessinger

Carl J. Wessinger
Carl J. Wessinger



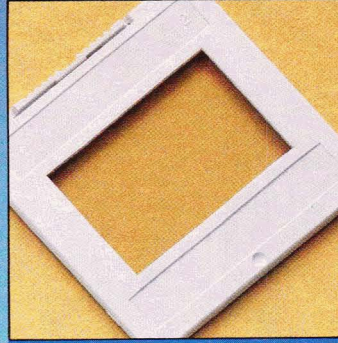
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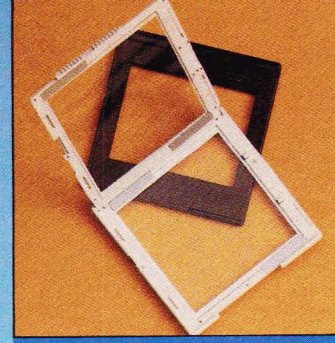
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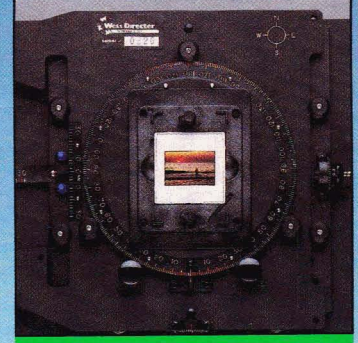
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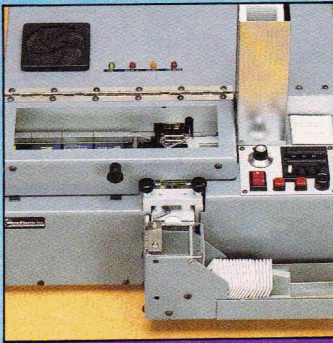
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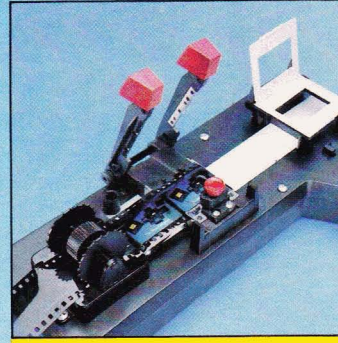
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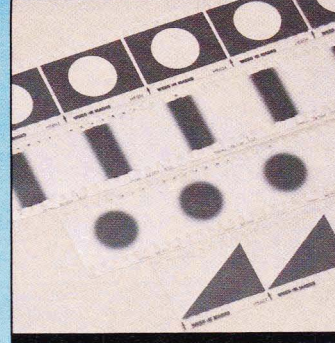
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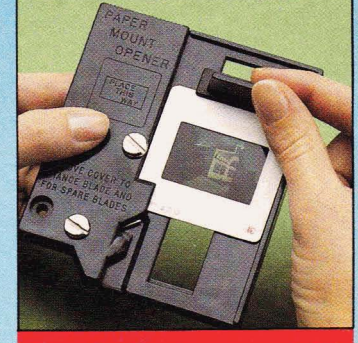
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Each section of this catalog has been color coded for easier reference. The color bar at the top right hand of each page matches the color bar for the sections on this table of contents. For example — the Slide Mounts will be found on the pages with a dark blue color bar in the upper right hand corner of each page.

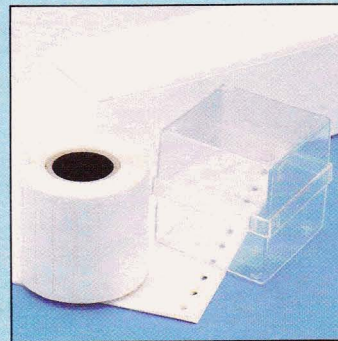
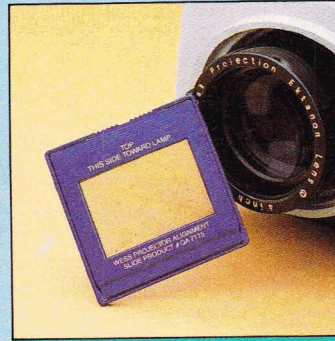


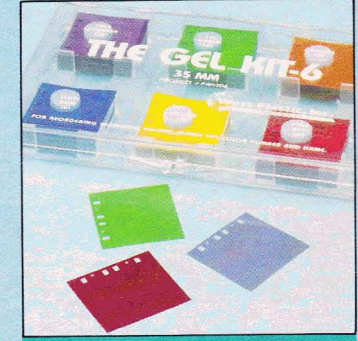
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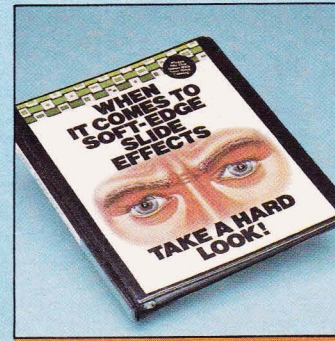
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INTRODUCTION TO

SLIDE MOUNTS

Choosing Slide Mounts

Wess Plastic manufactures many types and styles of slide mounts. This broad range can cause confusion to those not familiar with our products. The following information will help you make the proper selection based upon your needs. We've also included a few hints for improving the presentation of your slides. If some questions remain unanswered, please feel free to contact our Customer Service Representatives.

Mount Sizes and Image Formats

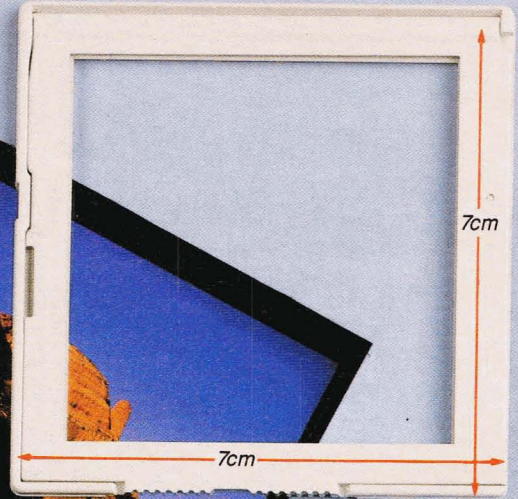
Wess slide mounts are manufactured in all popular sizes. The size used depends upon the image format, the projector being used, and the type of slide tray.

5 x 5cm (2 x 2") slide mounts are used in "35mm" projectors for 35mm, super-slide, and smaller image formats. The majority of Wess 5 x 5cm mounts are the "professional" type that require an

A.



B.

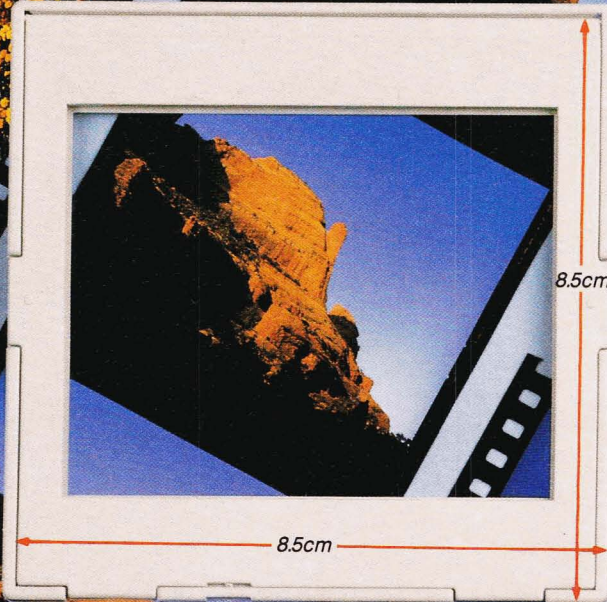


A. "35mm" mount

B. 7 x 7cm Medium format mount

C. 8.5 x 8.5cm Medium format mount

C.



80-slide (or smaller) capacity tray. Wess 35mm AAY mounts are available for those requiring a pin-registered glassless mount for high-capacity trays.

Wess 7 x 7cm (2.75 x 2.75") and 8.5 x 8.5cm (3.35 x 3.35") mounts are for use in medium format projectors, and for general viewing. These mounts are available for medium format images up to 6 x 6cm and 6 x 7cm respectively. Wess Medium Format Slide Mounts are 3mm thick and will fit all size compatible projectors.

Wess 10.5 x 8.5cm (4.13 x 3.35") Presentation Mounts are also

35mm

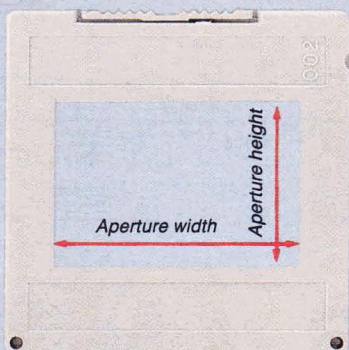
120/220, 6 x 6cm

70mm, 6 x 7cm

available for formats from 6 x 7cm to 6 x 9cm. Because of their large size, only overhead projectors may be used with these mounts. Wess Presentation Mounts are normally used for handling, displaying, and filing stock photos.

Slide Mount Apertures

The slide mount aperture is the "window" or area being projected or viewed. The aperture size and shape may be similar to that normally used by your processing lab, a size which shows the full image frame, one which crops the



Aperture height and width are measured on the base side of the mount. (shown)

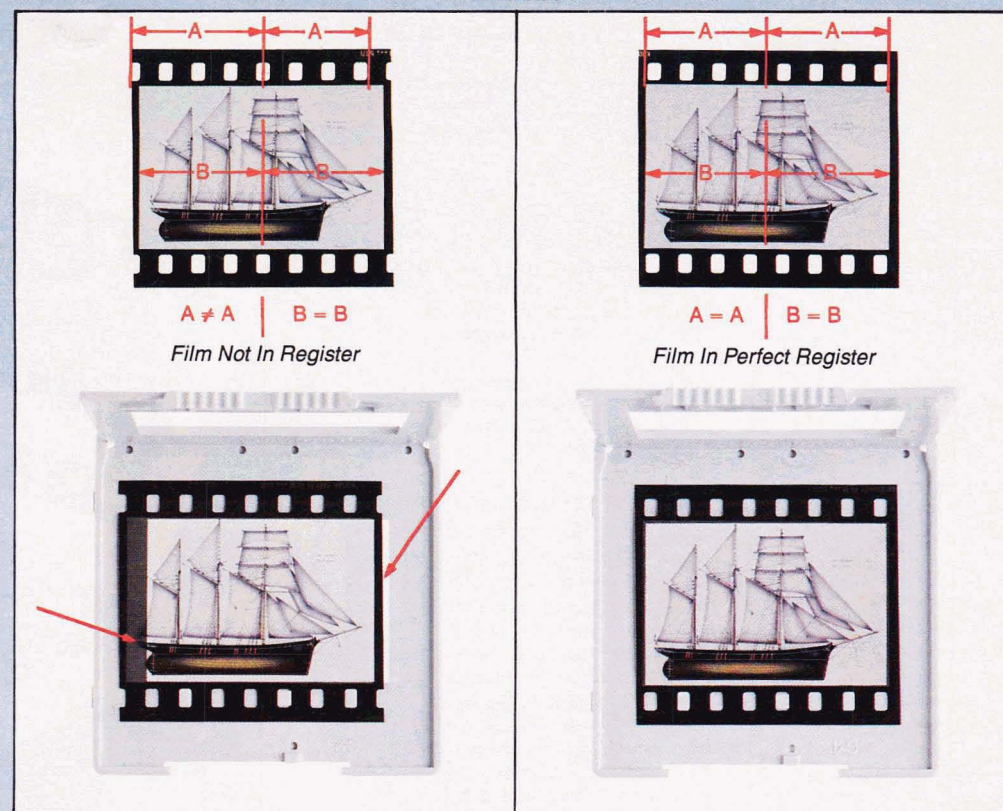
image, or one that produces an unusual masking effect.

The aperture size is important when determining the amount of image being masked and the final projection size of the transparency. In our catalog we generally state the aperture width first and the height second. In most situations, the aperture width is the side parallel to the film edge. In some cases aspect ratios are quoted. This is the mathematical comparison of width to height; important information when transferring images to video, projecting computer generated art, or making panorama splits.

Of course, mounts can be turned from "horizontal" to "vertical" positions to fulfill your particular projection requirements. Wess mounts are available in over 150 apertures for projection, duplicating, printing, or storage purposes. Aperture sizes are given in millimeters (25.4mm = 1 inch) and rounded to the nearest 0.1mm.

Film Registration

Registration, as it applies to slides, refers to the relative position of the image and the perforations found at the edges of 35mm, 46mm, and 70mm films (see diagram 1, top). A properly registered image will be exactly centered on the perfora-



tions. Two identical, registered images will superimpose perfectly if the perforations are aligned.

A-V producers often use two or more projectors to create animation sequences, panoramas, and other special effects. The exact screen placement of superimposed images requires high precision throughout the total replication-projection chain. To accomplish this, the final slides are produced using special pin-registered cameras. These cameras differ from mass-produced models in that the film perforations are locked in accurate position by a pin mechanism. The camera viewfinder is also calibrated so that the image can be framed with a high degree of precision.

Pin-registered cameras may be derived from a mass-produced SLR (Single Lens Reflex) which has been modified. These "field" cameras can be used on a copy-stand, tripod, or hand-held. More advanced "lab" cameras may integrate a motorized roll film magazine, auto-focus lens stage, copy stand, compound table with light source, and micro-processor controls. Pin-registered cameras are costly, starting at several thousand dollars, with options that can drive the price to 50 thousand dollars or more. Yet such expenditures will not yield good on-screen registration unless the slide mounts and projection system are of comparable precision.

Standard mass-produced 35mm cameras, or 46mm and 70mm film backs will not produce a registered image. Some will attain "near-registration" where the image appears centered between the film perforations, however this is not true registration. In addition, most cameras "drift" slightly from frame to frame, so that positioning may change even within the same roll of film! An off-center transparency, if placed in a peg (registered) type mount, will be adversely cropped on one side, and shifted to the extent that the frame line may show in the aperture window (see diagram 1).

Mount Registration Wess Peg Slide Mounts

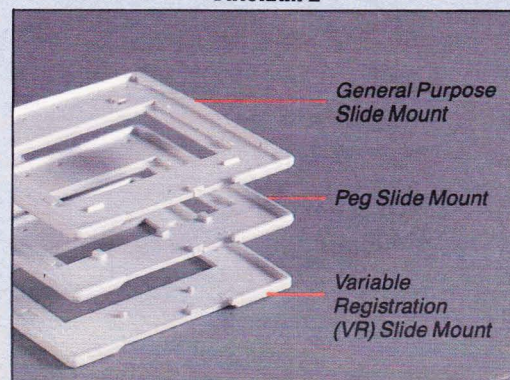
Wess Peg slide mounts hold the image in position by utilizing the perforations at one edge of 35mm, 46mm, or 70mm film. The perforations are placed over precisely sized and located mounting pegs;

therefore film cannot move once in the mount. Wess Peg mounts are designed primarily for pin-registered images. If you are using unregistered images, or unperforated film, such as 120 roll film, consider Wess General Purpose (GP) or Variable Registration (VR) slide mounts (see diagram 2).

Wess Super Precision (SP) Peg Slide Mounts

Presentations incorporating animation or panoramic effects require the utmost precision from mount to mount. To accomplish this, Wess Super Precision Peg Mounts are all produced from the same designated mold. SP mounts are used where registration is critical, but they may be successfully intermixed with Wess Standard and Special-FX mounts. To insure an absolute match when reordering SP mounts, request the same product number as prior shipments.

DIAGRAM 2



Glass & Glassless Mounts

Wess mounts are available in both glass and glassless designs; each type has specific advantages. The following information should help you decide on the best mount for your particular needs.

Wess Anti-Newton (A/N) Glass Mounts

Wess A/N glass mounts hold the film flat in the optical path; thereby increasing center-to-edge sharpness while eliminating image "popping" and the need to refocus. Newton's rings (colored ring-like patterns) are suppressed by a fine texture on the inner surfaces of the glass. Glass also protects the image against finger prints and dust, but requires absolute cleanliness while mounting. A/N mounts are recommended for critical presentations where overall sharpness, fine detail, and consistent focus is a priority. Glass mounts should be used with "flat-field" lenses.

Wess Combined Halves (CH) Glass Mounts

Wess CH glass mounts use only a single piece of A/N glass next to the film base; the emulsion side of the mount is glassless. This helps reduce film curvature while allowing moisture to be easily released from the film surface. CH mounts are recommended for high-humidity areas where condensation can form between glass surfaces during projection. CH mounts are also useful when

printing transparencies and negatives; the film is flattened but the A/N texture is less visible. CH mounts are available in Peg and VR configurations and are normally used with "flat-field" lenses.

Wess Plain Glass (PG) Mounts

PG mounts are used in special circumstances where film must be held flat and the A/N surface texture may prove undesirable. Sometimes, they are used for printing "sandwiched" transparencies or negatives, or as a medical (microscope) slide. PG mounts are also used with "flat-field" lenses.

Wess Glassless Mounts

Glassless mounts do not offer the same image protection as glass mounts. However, since there are fewer surfaces to clean, dust is only a minor problem. Another advantage is that glassless mounts allow air to circulate freely around the film, so moisture is easily released during projection. Glassless mounts are usually preferred when making duplicates or prints, as the textured surface of A/N glass can cause a "grainy" appearance. Being lighter and less fragile, glassless mounts are often used for transporting or filing stock images.

Without the restriction of glass, it is possible to manufacture a "thin" mount, such as the Wess AAY type for high-capacity slide trays. However "thin" mounts are rarely used for professional presentations as their light weight may cause an incomplete slide change. 5 x 5cm (2 x 2") glassless mounts, with the exception of Wess AHX types, do not hold the film flat enough to project a totally sharp image, or tight enough to prevent the image from "popping" as it is heated by the projector. When front-projecting most glassless 35mm format slides, a "curved-field" lens may prove useful in retaining center-to-edge focus.



A/N Glass
and Glassless Mounts

Wess Variable Registration (VR) Pin Slide Mounts

Pin-registration cameras position the film before the image is exposed. However, there may be a need to align one or more non-registered images in a presentation. To solve this problem, Wess has developed the Variable Registration (VR) System. The VR System allows the user to visually pre-position images to the mount aperture, then punch small round registration holes in the film edge below the image. The film is later placed in Wess VR slide mounts having registration pins matching the punched holes.

The VR System makes it easy to "sandwich" images and facilitates the use of special aperture slide mounts, film masks, or gels for producing special effects. VR slide mounts hold film firmly in position without the use of adhesives, tape,

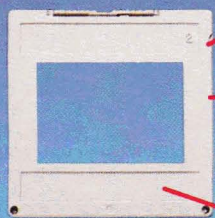
or clips; yet images can be easily removed for non-projection purposes. VR Pin slide mounts are available for 35mm, super-slide, and medium format films.

Wess General Purpose (GP) Slide Mounts

Wess General Purpose slide mounts are designed for those not requiring registration or exact placement of the image within the mount aperture. GP mounts hold the film squarely in position with small clips and rails, no adhesives are required. These Wess Mounts are the easiest and quickest to use, particularly if film must be frequently removed for reproduction purposes. Wess GP mounts are recommended for most typical applications.

Construction

With the exception of the AAY "thin" mounts, all Wess mounts feature easy to use hinged construction with a sturdy snap lock. All Wess mounts are designed to safely hold two film chips; an important point if you are planning to use film masks or "sandwich" images. Rounded corners and tapered edges insure positive movement into the projector gate with gravity-feed or push-pull slide transport mechanisms. The combination of high-performance engineering plastic and single banking edges insures high accuracy and repeatability. Wess mounts possess superb heat resistance, allowing long term use, even with high-intensity projection lamps.



Locating Notch

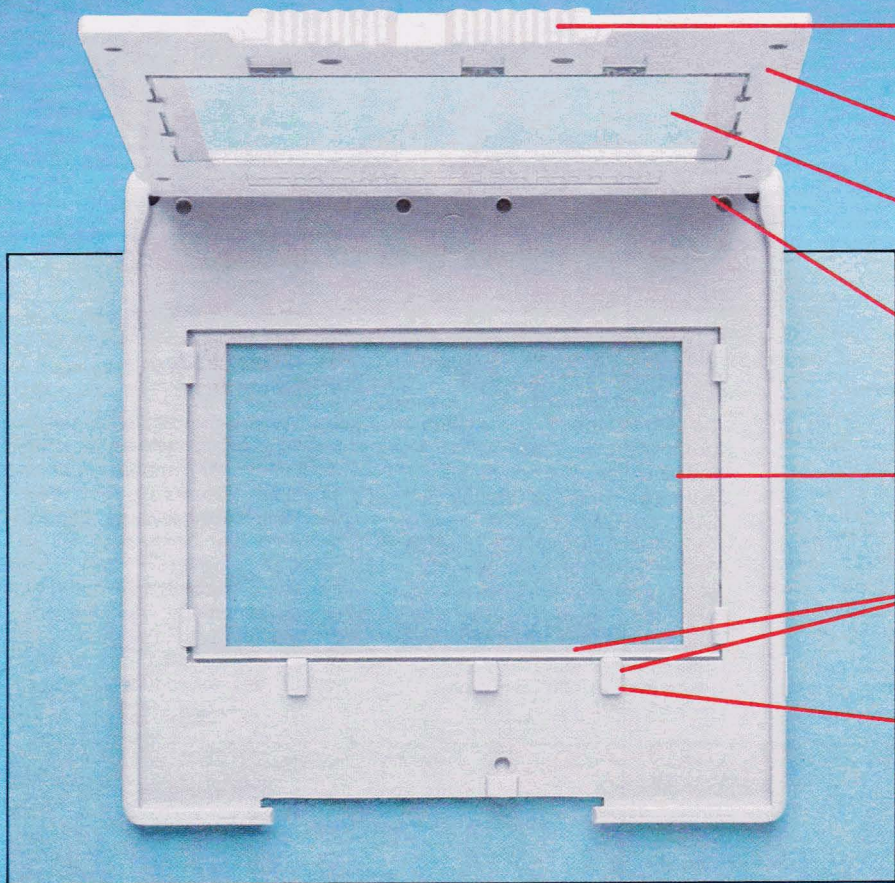
confirms the tray position of the mount with a vertical "portrait" image.

Tapered Sides

allows 3mm thick, 2 x 2 inch (5 x 5cm) mounts to fit all 80-capacity carousel trays. Rounded corners insure positive transport into projector gate.

Label Areas

may be customized with imprinted or molded text and/or logo. See "Customized Products" for more information.



Snap Lock

allows for reliable reuse of mount. Offset design indicates position of mount in tray for horizontal "landscape" images. Wiggling serrated lock side-to-side reopens mount.

Special High Performance Thermoplastic insures dimensional stability with hot, high intensity lamps over long projection periods.

Glass (optional)

flattens film and prevents it from "popping." Available in anti-Newton or plain surface. Single-glass and glassless mounts also available.

Hinged Cover

eliminates potential for scratching film and insures easy closure. Pin-type construction prevents hinge fatigue when reused.

Many Aperture Sizes

are available for a variety of uses. Reduces the problem of using separate masks for special effects or cropping.

High Precision

comes from molding the mount base with both the film mounting pegs/pins and aperture. Image alignment problems are reduced and all 35mm mounts of same thickness may be intermixed.

Single Side Peg/Pin Position

on mounts for pin-registered images allows film to expand and remain flat during projection. Enables fast hands-off film mounting with special Wess accessories and Automatic Slide Mounting Units. NOTE: AHX mounts use a different pin configuration.

Wess Mount Product Numbers

The product numbers used for Wess slide mounts help describe the product. For example, the first three alphabetic characters indicate the mount size (film type), registration, and glass configuration. The second set of three characters are the aperture code (such as 002) and, in some cases, indicate a special feature. For example, an AAA 002 is a 2 x 2" (5 x 5cm) slide mount with registration pegs, A/N glass, and a 35mm 002 aperture. An AGX 002 has the same aperture, but is a 35mm General Purpose (GP) mount without glass. An AAA OK2 is a 002 Super Precision "K" mold mount. Specific aperture codes will be described further on.

AAA 002 K

1st character	2nd character	3rd character
A = 5 x 5cm (2 x 2") for 35mm film	A = Peg registered	A = Anti-Newton Glass
B = 5 x 5cm (2 x 2") for 46mm film	C = Cine/Half-Frame	C = Combined Halves (CH) Glass
C = 5 x 5cm (2 x 2") for trimmed film	G = General Purpose (GP)	E = Etched A/N Glass (Special Order)
D = 7 x 7cm (2.75 x 2.75") for 120/220 film	H = 16-Peg registered	I = Independently Packed Glass
E = 7 x 7cm (2.75 x 2.75") for 70mm film + special 35mm	V = Variable Registration (VR)	P = Plain Glass
F = 10.5 x 8.5cm (4.13 x 3.35") for 120/220 film	W = Wide VR	X = 3mm "thick" Glassless
H = 10.5 x 8.5cm (4.13 x 3.35") for 70mm film		Y = 1.5mm "thin" Glassless
I = 8.5 x 8.5cm (3.35 x 3.35") for 120/220 film		
J = 8.5 x 8.5cm (3.35 x 3.35") for 70mm film		

Aperture Code

The characters following the aperture code are reserved for describing colors, special applications, packaging, and customizing.

Wess 5x5cm (2x2") Slide Mounts



35mm Standard Aperture Slide Mounts

A number of Wess mounts have been designed to official industry standards, or by their popularity become standards in their own right. The Wess Standard 001, 002, and 004 aperture mounts fall into this category. Wess Standard Aperture mounts are available in most registration and glass configurations.

All 35mm Standard Aperture slide mounts are supplied as a box of 50.

001 ANSI/AMI Standard Aperture

The aperture of the Wess 001 slide mount is 34.3 x 22.8mm, with a 3:2 aspect ratio. This size conforms to the American National Standards Institute (ANSI) and Association for Multi-Image International (AMI) standards. This aperture also matches most low cost, plastic and cardboard mounts. The 001 aperture reveals approximately 88-91% of a 35mm camera's image; this is less than that shown by most 35mm SLR camera viewfinders.

002 Wess Standard Aperture

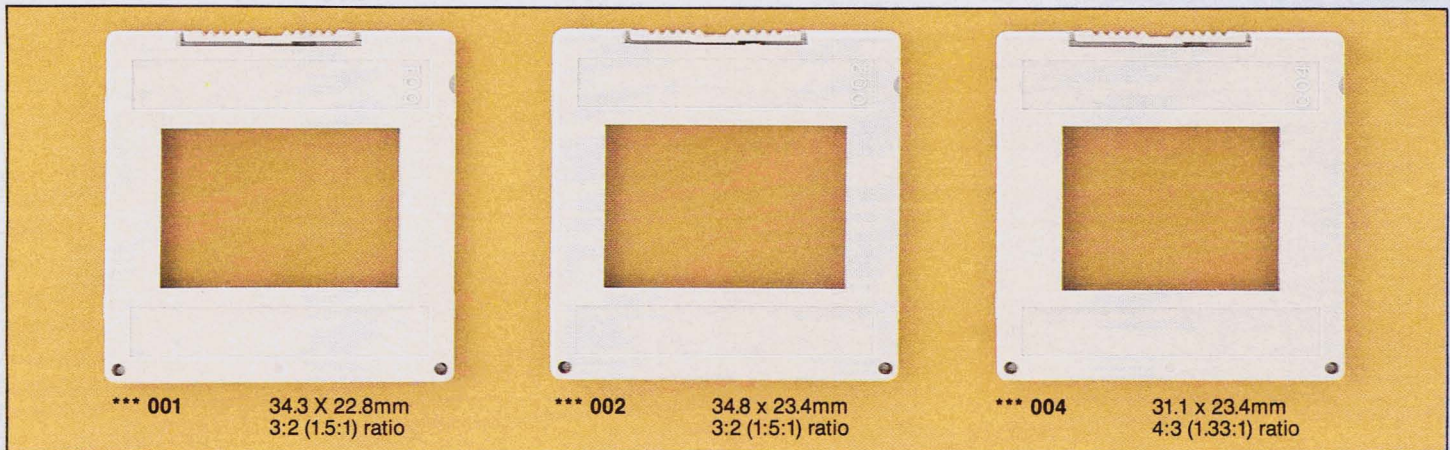
The aperture of the Wess 002 slide mount is 34.8 x 23.4mm, with an aspect ratio of 3:2. The 002 aperture displays approximately 91-94% of a 35mm camera's image; closely matching the viewfinders of many SLR cameras. The 002 is the most popular Wess aperture and is an accepted "standard" in the A-V industry.

Wess AAA 002 and AAX 002 aperture mounts are normally supplied in a light gray colored

plastic, however they are also available from stock in eight optional colors. Color mounts may be utilized for coding your slide programs, or for presentation, identification, or promotional purposes. They are available in Black (K), Dark Gray (D), White (W), Red (R), Green (G), Blue (B), Yellow-Green (L), and Clear (C) (AGX only). Color mounts are ordered by adding the code letter appearing in the parenthesis after the regular product number (example: AAA 002 B is a blue mount).

004 Wess Video Standard Aperture

The Wess 004 aperture has the same 4:3 aspect ratio as television, most computer monitors, and some motion picture formats. It is used to mask video-proportioned computer graphics images, to visualize cropping for video transfer, or to combine slides with cine presentations. The height of the 004 aperture is the same as the 002, however the width of the image has been reduced.



*** Insert the appropriate three letter type code as shown in the chart below.

	Peg Registration	Variable Registration (VR) Pin	General Purpose (GP)	Super Precision (SP) Peg	Refer to the price list for additional information regarding product numbers.
A/N Glass	AAA 00*	AVA 00*	AGA 00*	AAA 0**	
Plain Glass	AAP 00*	AVP 00*	AGP 00*	Special Order Only	
CH Glass	AAC 00*	AVC 00*		AAC 0B*	
Glassless	AAX 00*	AVX 00*	AGX 00*	AAX 0A*	

*Insert last digit of aperture code 001, 002, or 004. For example: AAA 002.

**Insert SP mold letter, then last digit of aperture code (apertures 001 and 004 only use "R"). For example: AAA 0R4.

35mm Special-FX Slide Mounts

Wess Special-FX slide mounts provide an easy-to-use tool for producing on-screen special effects. A large selection of patterns have been produced for cropping or masking, multi-projector panoramas, and unusual image formats. All 35mm Special-FX mounts are available as a box of 50.

WHEN ORDERING please add the appropriate three character alpha code to the listed 3-digit aperture code (ex: AVX 205). Those Special-FX mounts shown with "_____" before the aperture number are available in

AAA and AVA glass mount configurations. A select number of the more popular patterns can also be found in AAX and AVX glassless types; look for "***" to identify these mounts. Some mounts are available only in one type, in these cases the product number will be complete.

The following mounts are shown approximately 90% (0.9X) of actual size and are grouped according to usage, not by product number. Notes describing the aperture position refer to its relative placement on the screen.

NOTE: General Purpose (GP) slide mounts are *not* available in Special-FX apertures.

NOTE: To better display mount apertures, we show the base side of the mount with the lock positioned at the top. Normally, to view the image on a lightbox, the cover side would face the user and the lock would be at the bottom.

100 SERIES

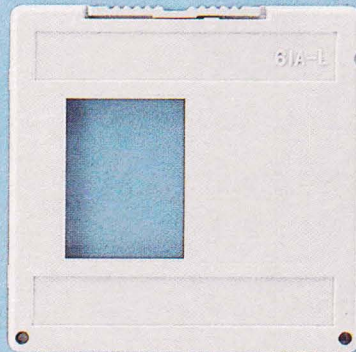
**(apertures 100-199)
Compatible with 35mm
Standard Aperture 001**

These apertures are designed to fit within the Wess 001 (ANSI/AMI standard) framelines; they will not over-project a 001 image if mixed

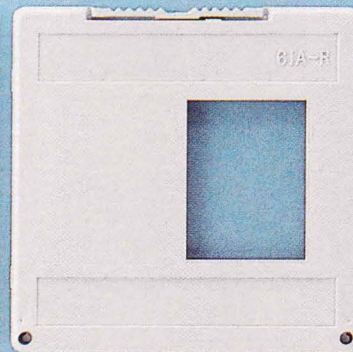
in the same tray. A 100 Series mount will under-project if mixed with 002 or 200 Series mounts.

1/2 Splits of 001

**2-screen Butt Panorama
with 001 as center image**



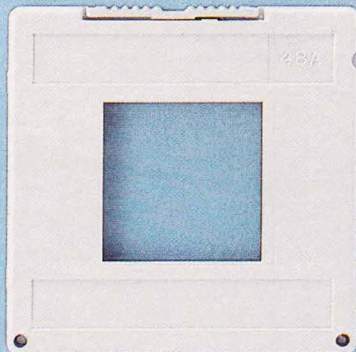
____ 115 17.1 x 22.9mm
left 1/2 of 001



____ 116 17.1 x 22.9mm
right 1/2 of 001

2/3rd Splits of 001

**2-screen Butt Panorama
with Three Equally
Sized Images**



____ 112 22.8 X 22.9mm
1:1 ratio used for
center image and
reduced square
formats



____ 113 22.8 x 22.9mm
left 2/3rd of 001



____ 114 22.8 x 22.9mm
right 2/3rd of 001

Reminder:

"_____" indicates availability in peg and VR glass mounts (AAA and AVA).

"***" indicates availability in peg and VR glass or glassless mounts (AAA, AVA, AAX, and AVX).

**2-aperture division of 001
(with mullions)**



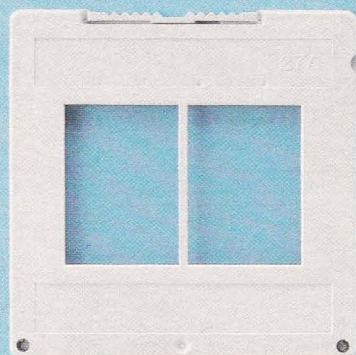
111 (2)34.2 x 10.8mm
top and bottom
division



107 34.2 x 10.8mm
top half of 111



108 34.2 x 10.8mm
bottom half of 111



102 (2)16.5 x 22.9mm
side to side
division



109 16.5 x 22.9mm
left half of 102



110 16.5 x 22.9mm
right half of 102

**4-aperture division of 001
(with mullions)**



101 (4)16.5 x 10.8mm
4-aperture
division



103 16.5 x 10.8mm
top left of 101



105 16.5 x 10.8mm
top right of 101



106 16.5 x 10.8mm
bottom left of 101



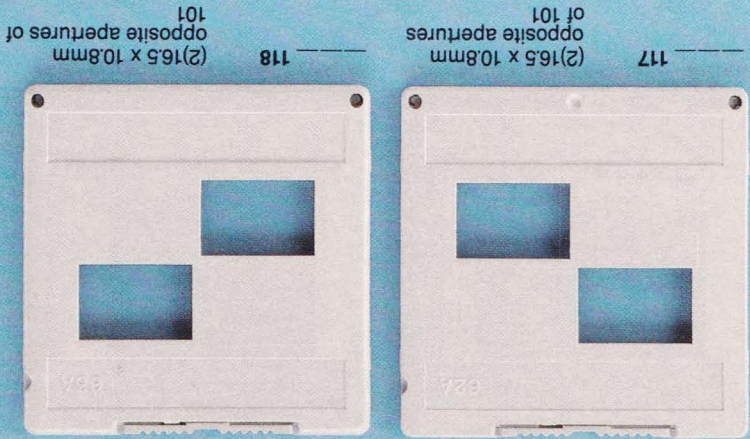
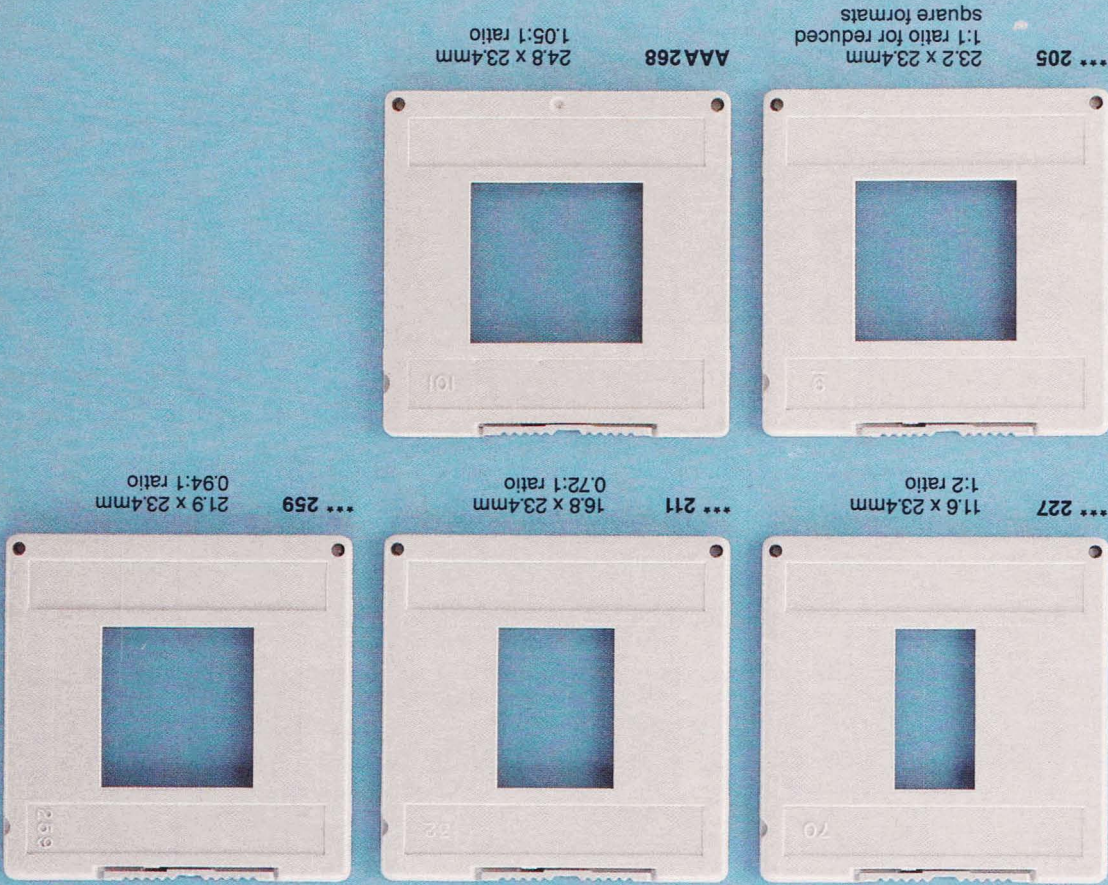
104 16.5 x 10.8mm
bottom right of 101

200 SERIES

(Apertures 200-299)
Compatible with 35mm
Aperture 002

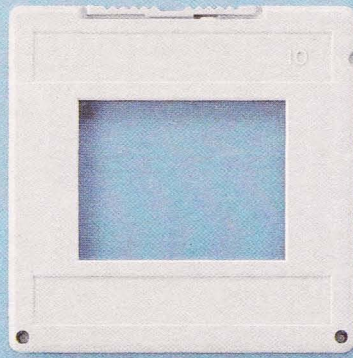
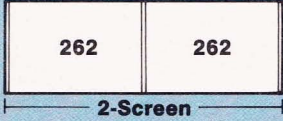
200 Series mounts are matched to the Wess 002 Standard aperture. Most Special-FX mounts are found in this group, thereby giving the user the largest creative potential. Series 200 mounts will over-project if mixed with 001 or Series 100 mounts. For clarity some mounts are shown more than once.

Unusual Aspect Ratios



Reminder: "_____" indicates availability in peg and VR glass mounts (AAA and AVA). "****" indicates availability in peg and VR glass or glassless mounts (AAA, AVA, AAX, and AVX).

Note:
 Mount 206
 For reduced "ideal" formats
 Mount 262
 For slide projector 2 screen pan for
 2 images



*** 206 30.0 x 23.4mm
 1.28:1 ratio



*** 262 33.5 x 23.4mm
 1.43:1 ratio



201 34.8 x 19.9mm
 1.75:1 ratio



210 34.8 x 18.8mm
 1.85:1 ratio



*** 202 34.8 x 17.4mm
 2:1 ratio



221 34.8 x 15.8mm
 2.2:1 ratio



*** 203 34.8 x 11.6mm
 3:1 ratio



204 34.8 x 8.7mm
 4:1 ratio



224 34.8 x 7.8mm
 4.46:1 ratio



AAX 266 AH 34.8 x 4.7mm
 AVX 266 AH 7.35:1 ratio

Splits of 002
 2-Screen Butt Panoramas



225 34.8 x 7.8mm
 top 1/3rd of 002



224 34.8 x 7.8mm
 center of 1/3rd of 002



226 34.8 x 7.8mm
 bottom 1/3rd of 002



*** 228 11.6 x 23.4mm
left 1/3rd of 002

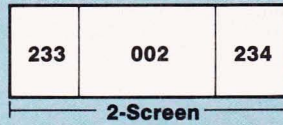


*** 227 11.6 x 23.4mm
center 1/3rd of 002

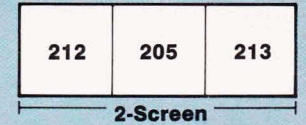


*** 229 11.6 x 23.4mm
right 1/3rd of 002

Apertures 233 and 234 are used with the 002 aperture (page 8) for a 2-screen butt panorama.



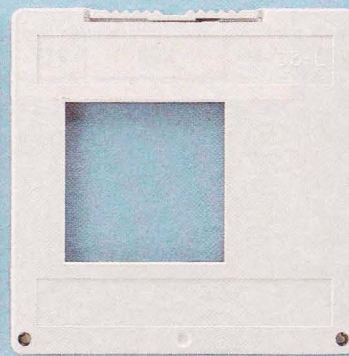
Apertures 212 and 213 are used with the 205 aperture (page 11) for a 2-screen butt panorama.



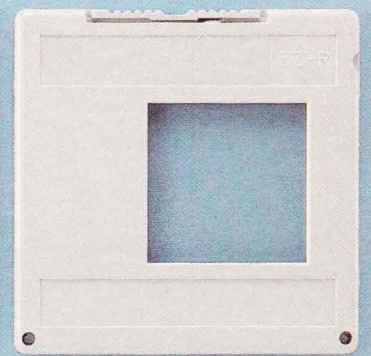
*** 233 17.4 x 23.4mm
left 1/2 of 002



*** 234 17.4 x 23.4mm
right 1/2 of 002



*** 212 23.2 x 23.4mm
left 2/3rd of 002



*** 213 23.2 x 23.4mm
right 2/3rd of 002



____ 230 34.8 x 11.7mm
top 1/2 of 002



____ 231 34.8 x 11.7mm
bottom 1/2 of 002



____ 222 34.8 x 15.6mm
top 2/3rd of 002



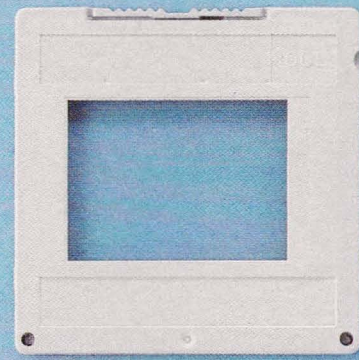
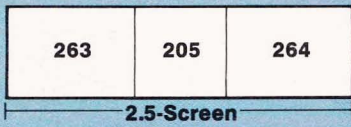
____ 223 34.8 x 15.6mm
bottom 2/3rd of 002

Reminder:

“____” indicates availability in peg and VR glass mounts (AAA and AVA).

“***” indicates availability in peg and VR glass or glassless mounts (AAA, AVA, AAX, and AVX).

Apertures 263 and 264 are used with the 205 aperture (page 11) for a 2.5 screen butt panorama.



263 31.9 x 23.4mm
left section of 002



264 31.9 x 23.4mm
right section of 002

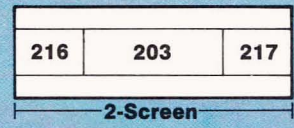
Splits of 203

2-screen Butt Panorama with 203 as Center Image

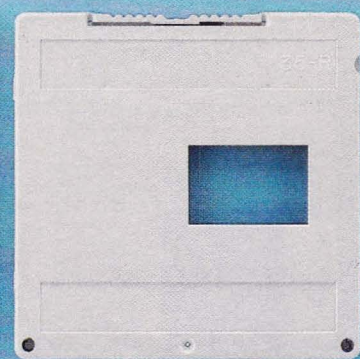


*** 203 34.8 x 11.6mm
3:1 ratio

Apertures 216 and 217 are used with the 203 aperture for a 2-screen butt panorama.



216 17.4 x 11.6mm
left 1/2 of 203



217 17.4 x 11.6mm
right 1/2 of 203



218 (2)11.6 x 11.6mm
left & right 1/3rds of 203



219 23.2 x 11.6mm
left 2/3rd of 203



220 23.2 x 11.6mm
right 2/3rd of 203

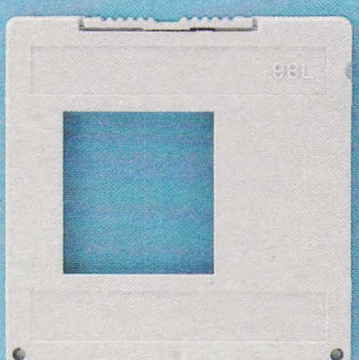
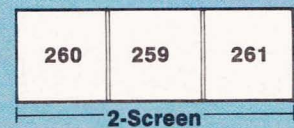
Panoramic Split with Mullions



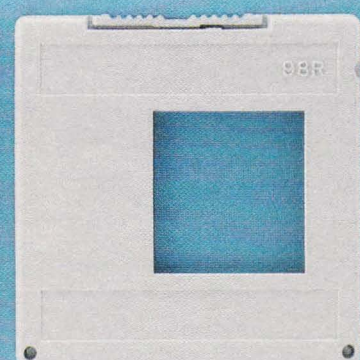
*** 259 21.9 x 23.4mm
0.94:1 ratio

When mixed with a continuous panorama consisting of 002 aperture mounts, the following apertures will project images isolated by mullions.

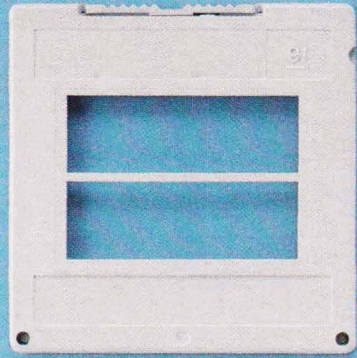
Apertures 260 and 261 are used with the 259 aperture for a 2-screen, 3-image panorama.



*** 260 21.9 x 23.4mm
left image



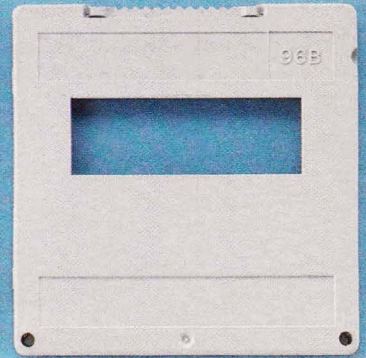
*** 261 21.9 x 23.4mm
right image



____ 249 (2)33.5 x 11.1mm top and bottom division

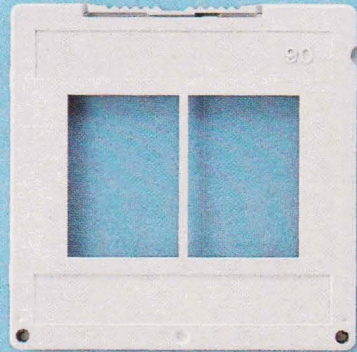


____ 257 33.5 x 11.1mm top 1/2 of 249

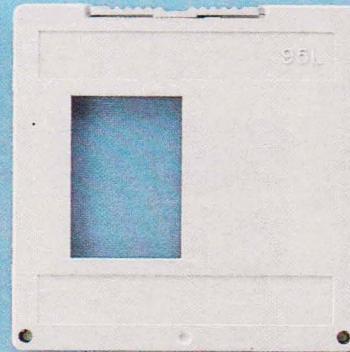


____ 258 33.5 x 11.1mm bottom 1/2 of 249

Apertures 255 and 256 are used with the 248 aperture to produce a 2-screen, 4-image panorama with mullions.



*** 248 (2)16.1 x 23.4mm side to side division



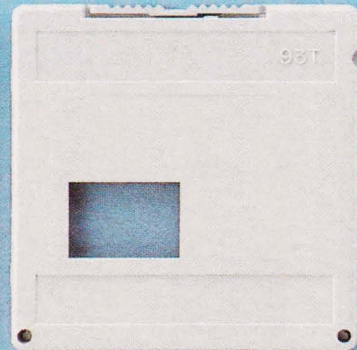
*** 255 16.1 x 23.4mm left 1/2 of 248



*** 256 16.1 x 23.4mm right 1/2 of 248



*** 250 (4)16.1 x 11.1mm 4-aperture division



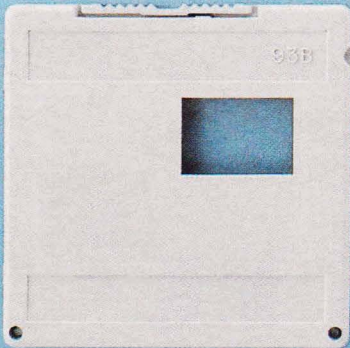
____ 251 16.1 x 11.1mm top left of 250



____ 253 16.1 x 11.1mm top right of 250

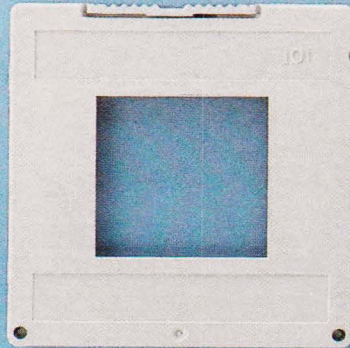
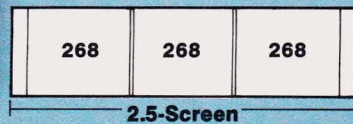
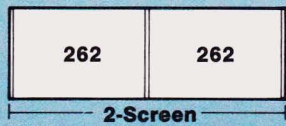


____ 254 16.1 x 11.1mm bottom left of 250



____ 252 16.1 x 11.1mm bottom right of 250

Apertures 262 and 268 are used as "full image" mounts for 2-screen and 2.5-screen panoramas.



AAA 268 24.8 x 23.4mm 1.05:1 ratio



*** 262 33.5 x 23.4mm 1.43:1 ratio

Reminder:

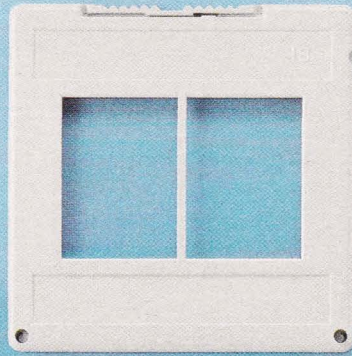
"____" indicates availability in peg and VR glass mounts (AAA and AVA).

"***" indicates availability in peg and VR glass or glassless mounts (AAA, AVA, AAX, and AVX).

2-aperture Division of 002



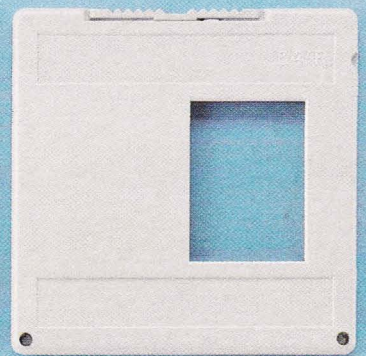
*** 002 34.8 x 23.4mm
3:2 (1.5:1) ratio



*** 209 (2)16.8 x 23.4mm
side to side division



*** 214 16.8 x 23.4mm
left 1/2 of 209



*** 215 16.8 x 23.4mm
right 1/2 of 209



*** 240 (2)34.8 x 11.0mm
top and bottom
division

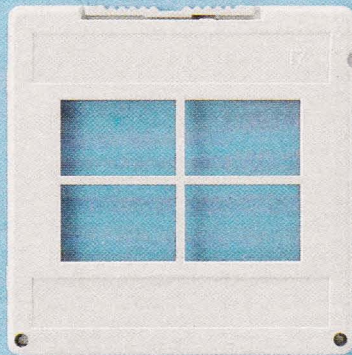


*** 241 34.8 x 11.0mm
top 1/2 of 240



*** 242 34.8 x 11.0mm
bottom 1/2 of 240

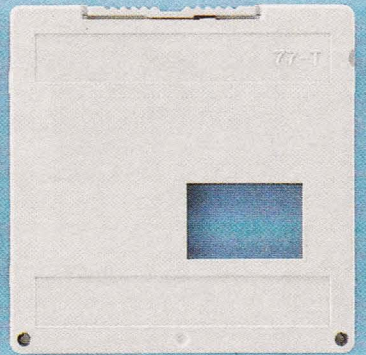
4-aperture Division of 002



*** 208 (4)16.8 x 11.0mm
4-aperture division



*** 236 16.8 x 11.0mm
top left of 208



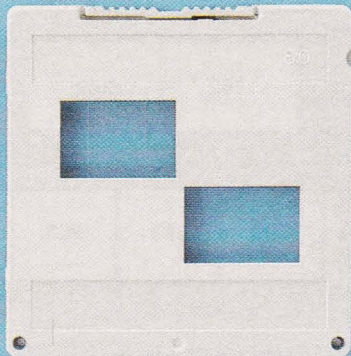
*** 238 16.8 x 11.0mm
top right of 208



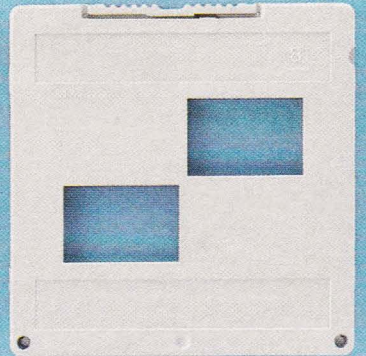
*** 239 16.8 x 11.0mm
bottom left of 208



*** 237 16.8 x 11.0mm
bottom right of 208



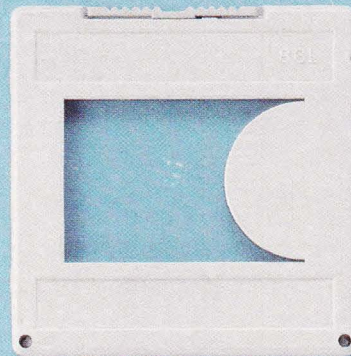
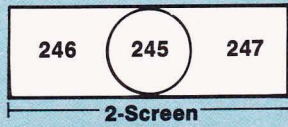
____ 243 (2)16.8 x 11.0mm
opposite openings
of 208



____ 244 (2)16.8 x 11.0mm
opposite openings
of 208

Special Patterns

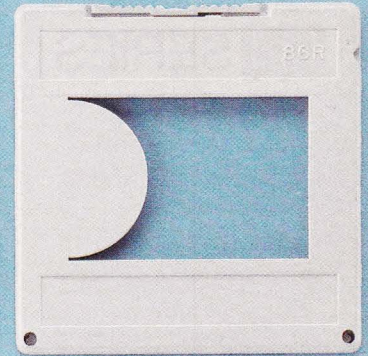
Apertures 245, 246, and 247 are used in combination for a 2-screen 3-image panorama.



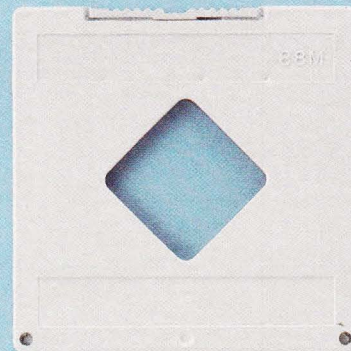
246 34.8mm x 23.4mm
arc matches left
of 245



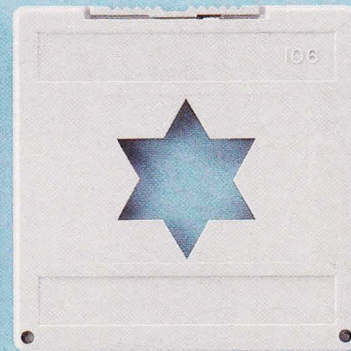
245 22.9mm diameter
(see 300 Series for
more circles)



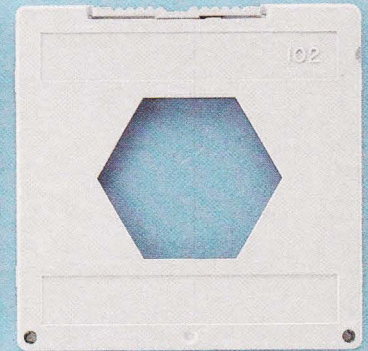
247 34.8 x 23.4mm
arc matches right
of 245



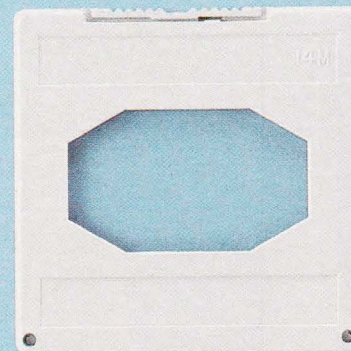
269 17.6mm per side
23.4 x 23.4mm vertex
to vertex



267 Points located
on 23.4mm diameter



265 23.4mm high
22.5mm flat at top
and bottom



207 34.8 x 31.0mm
Octagon

Reminder:

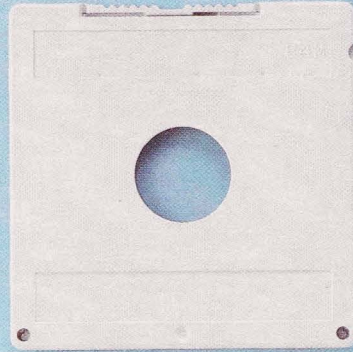
“_____” indicates availability in peg and VR glass mounts (AAA and AVA).

“***” indicates availability in peg and VR glass or glassless mounts (AAA, AVA, AAX, and AVX).

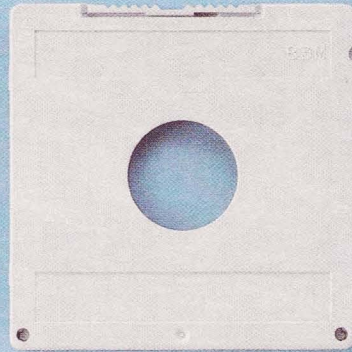
300 SERIES

**(apertures 300-399)
Compatible with 35mm
Standard Apertures
001 and 002 Apertures**

The 300 Series incorporates special pattern apertures which are compatible with both 001 and 002 Wess Standard mounts.



_____ **311** 14.0mm diameter circle



*** _____ **310** 16.0mm diameter circle



_____ **309** 18.0mm diameter circle



_____ **303** 20.0mm diameter circle

Also see aperture 245 (page 17) for a 22.9mm diameter circle.



*** _____ **302** 22.0 diameter circle



_____ **307** 22.0 diameter left of center circle



_____ **308** 22.0 diameter right of center circle

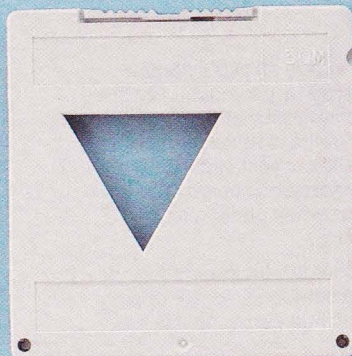
Reminder:

“_____” indicates availability in peg and VR glass mounts (AAA and AVA).

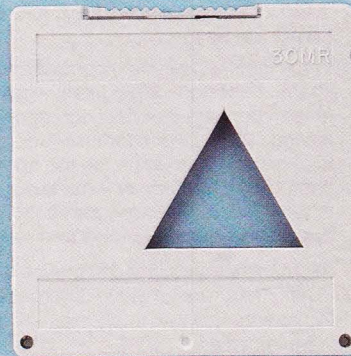
“***” indicates availability in peg and VR glass or glassless mounts (AAA, AVA, AAX, and AVX).



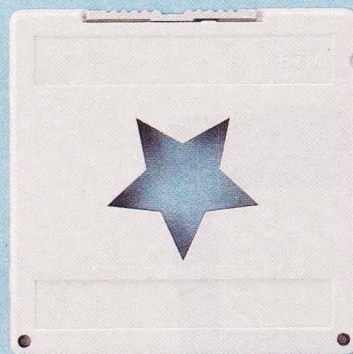
— 304 23.1 along base
20.0 high



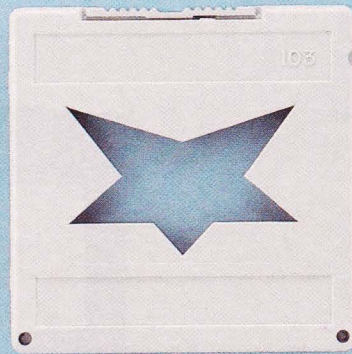
— 305 23.1mm per side
matched to 304



— 306 23.1mm per side
matched to 304



— 312 22.9mm diameter
matches 245 circle

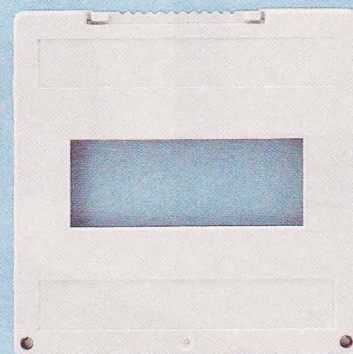


— 314 points extend to edge
of 001 aperture

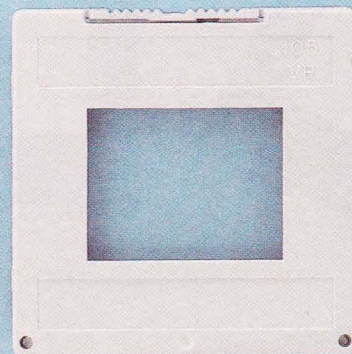
400 SERIES

(apertures 400-499) Special Formats and Applications

The 400 Series includes mounts designed for special formats and industrial/scientific applications.



AAA 402 33.8 x 13.0mm
2.6:1 ratio



AVA 403 29.0 x 22.4mm
offset 0.58mm
towards top for
magnetic resonance
cameras

Reminder:

"—" indicates availability in peg and VR glass mounts (AAA and AVA).

"***" indicates availability in peg and VR glass or glassless mounts (AAA, AVA, AAX, and AVX).

35mm Full-Frame Slide Mounts (500 Series)

Wess Full-frame slide mounts display virtually all of the 35mm image; important edge detail is not masked by the mount. For this reason they are a perfect companion to professional SLR cameras having 100% viewfinder coverage. Full-frame mounts are molded in black plastic to enhance the appearance of your slide when viewed on a lightbox or mounted in a presentation board. The low reflection finish also reduces light scatter when printing or duplicating transparencies and negatives.

As an extra touch, the 510 mount is imprinted with the word "ORIGINAL" as an aid in differentiating between valuable original transparencies and duplicates. All 35mm Full-frame mounts are supplied as a box of 50.

The 500 aperture slide mount is available in the following types:

	Peg	VR Pin	GP	SP Peg
A/N Glass	AAA 500 K	AVA 500 K	AGA 500 K	AAA 5S0 K
Plain Glass	AAP 500 K	AVP 500 K	AGP 500 K	
Glassless	AAX 500 K	AVX 500 K	AGX 500 K	AAX 5A0 K

The 510 "ORIGINAL" imprint slide mount is available in the following types:

	Peg	VR Pin	GP
A/N Glass	AAA 510 K	AVA 510 K	AGA 510 K
Glassless	AAX 510 K	AVX 510 K	AGX 510 K



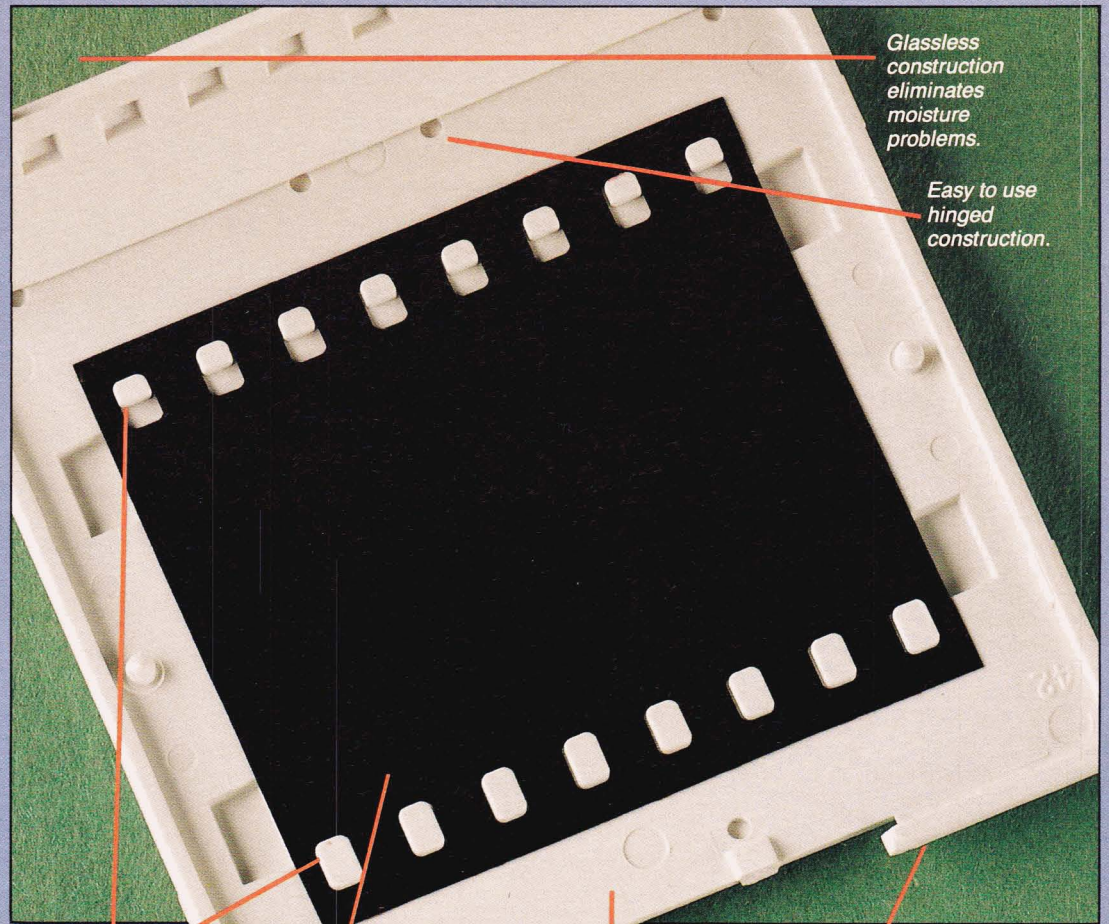
— 500 35.8 x 24.4mm

— 510
35.8 x 24.4mm

Wess AHX High Definition Glassless Slide Mounts

Wess AHX 35mm slide mounts are designed to hold film flat without the use of glass. AHX mounts feature two rows of special registration pegs which tightly stretch the film across the mount's aperture. This design halts slide "popping," focus drift, and moisture problems. As AHX mounts are lighter and more rugged than glass mounts, slide presentations become more portable and worry-free.

AHX mounts are manufactured to the same exacting standards as other Wess mounts, use Wess' traditional hinged construction, and are designed to hold two film chips. They may be used for animation effects, panoramas, and other special effects requiring precise image registration. Unlike many other glassless mounts, AHX mounts are 3mm thick and made of special heat-resistant plastic, so mount warpage and tray jamming are virtually eliminated. All these characteristics make the AHX mount ideal for most professional presentations. AHX slide mounts should only be used with pin-registered or "near-registered" images. AHX mounts cannot be used with the Wess TM 3500 Auto-mounter.



Glassless construction eliminates moisture problems.

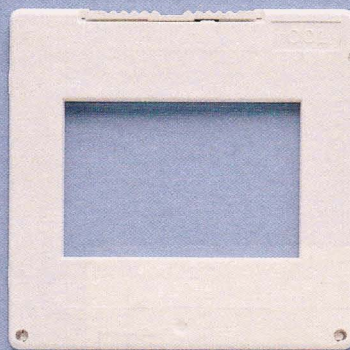
Easy to use hinged construction.

Two rows of registration pegs stretch film flat.

3mm thick; tray jamming virtually eliminated.

Available in three aperture sizes.

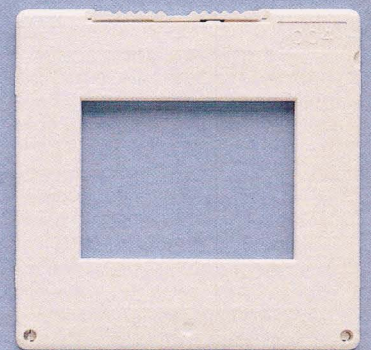
Special heat-resistant plastic prevents mount melt-down.



AHX 001 W 34.3 x 22.8mm
3:2 (1.5:1) ratio



AHX 002 W 34.8 x 23.4mm
3:2 (1.5:1) ratio



AHX 004 W 31.1 x 23.4mm
4:3 (1.33:1) ratio

35mm Perspective Control (PC) Slide Mounts

Keystone distortion occurs when projected images strike a screen at an angle other than 90°, as when projectors are tilted. To the audience it appears that one side of the image is longer than its opposite side and the remaining sides are not parallel. Focus can also be affected as the lens-to-screen distance is not consistent throughout the image.

When projecting more than one image on the same screen area, it is best to have the projectors closely "stacked" one over another. However, even with minimum distance between optical systems, it will be necessary to tilt projectors to align the images. Keystoning becomes a serious problem when short projection distances are used (as in rear projection) or when the presentation requires tight image registration.

Keystone distortion can be eliminated by keeping projectors perpendicular to the screen and "shifting" the image up or down with a perspective control (PC) lens. However, these lenses are quite expensive and add significantly to the cost of any fixed installation. The same effect can be accomplished by slightly "shifting" the image off center in the projection gate. Wess PC slide mounts were developed for this reason.

Wess PC mounts have the same aperture as other 35mm 002 mounts; the difference is that the aperture and registration pegs are offset within the mount. In two projector "stacks" PC mounts are used in both projectors, with the mounts and transparencies rotated 180° depending on the projector's position. In three projector "stacks" the center projector uses the standard AAA 002 mount. Using Wess PC mounts reduces keystone distortion and improves on-screen image registration.

Wess PC mounts have all the features of standard Wess mounts and are available in 2mm, 4mm, or 5.77mm offsets (shifts). A U-shaped rib allows use of the QM 3000 Wess Film Mounter as supplied with the FTU-IR, FTU III, and VR-FTU Film Trimmers. PC mounts are available in peg registration only and are supplied as a box of 50.

NOTE: When projected, the top edge of an "horizontal" image in a AAA 002 AQ aligns with the top edge of a "vertical" image in a AAA 002.



The following formulas will help you select the proper Wess PC mount for the required projection distance.



3 projector stack

$$\text{Offset} = \frac{FL \times LD}{PD - FL}$$

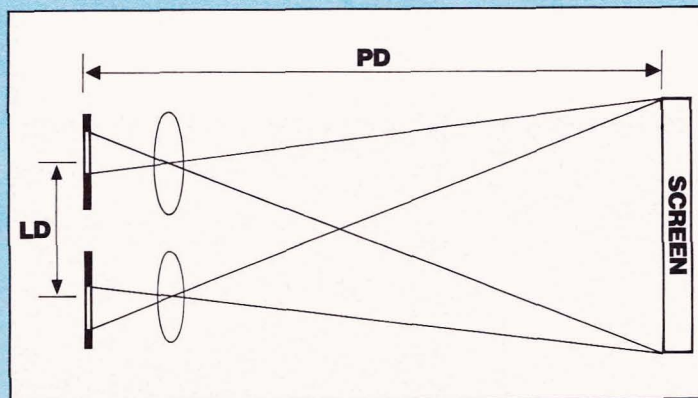


2 projector stack

$$\text{Offset} = \frac{FL \times (LD / 2)}{PD - FL}$$

FL = Lens Focal Length
 LD = Vertical distance between lens centers (with projectors level)
 PD = Projection distance from slide to screen

All factors must be in the same unit of measurement. If calculating in inches, multiply the answer by 25.4 to find optimum offset dimension in millimeters. It is not necessary for the projectors to be absolutely level to use PC mounts. When used as described, the tilt and distortion will be reduced, resulting in an improved presentation.

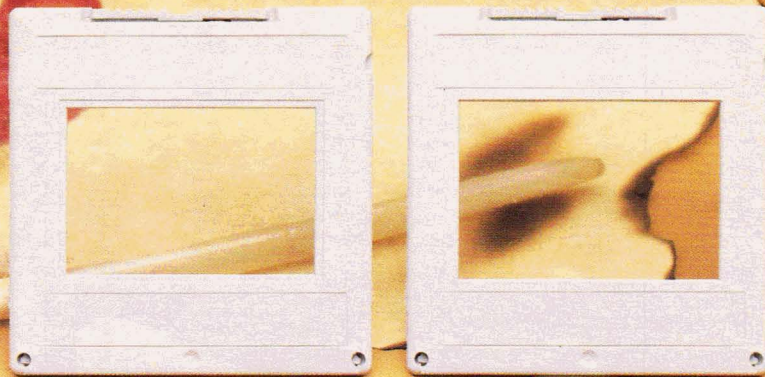


Other formulas which may prove useful are:

$$M = \frac{SW}{AW}$$

$$PD = FL \times (M + 1)$$

M = Magnification
 SW = Width of screen image
 AW = Aperture width
 002 aperture = 34.8mm (1.37")



AGI 001 4F 34.3 x 22.8mm
3:2 ratio

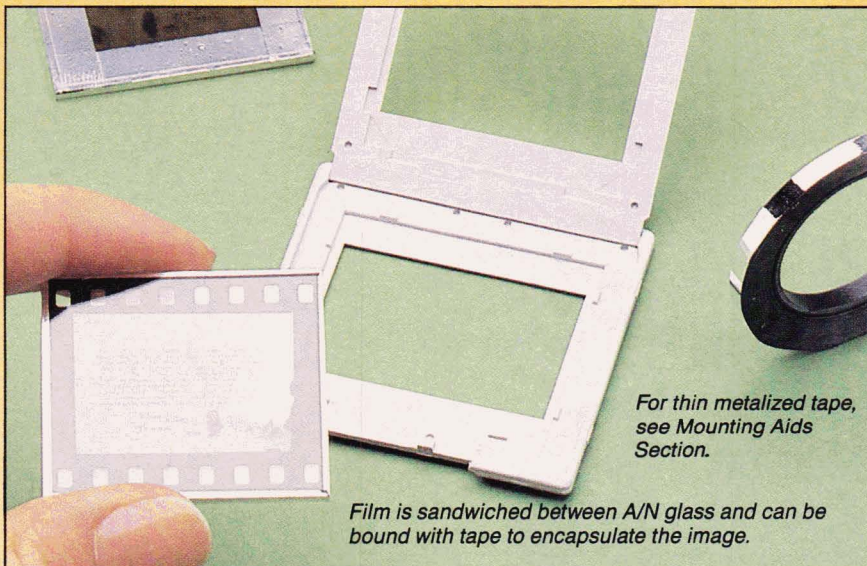
AGI 500 AF 35.8 x 24.4mm
full-frame

35mm Archival Slide Mounts

Wess Archival slide mounts have been designed to satisfy the needs of photographic documentation specialists. Archival mounts are supplied with separately packaged A/N glass which is slightly larger than a standard 35mm frame. The glass is not fixed to the mount, but fits into a molded pocket along with the transparency.

The advantage of this system is that film can be encapsulated between the glass by binding it with thin metalized tape (Wess QM 3058). This practice helps eliminate moisture and dust problems. Masking can also be accomplished by taping the glass rather than the film image. The Archival mount can also be used without binding the image for general use or as a substitute for microscope slides.

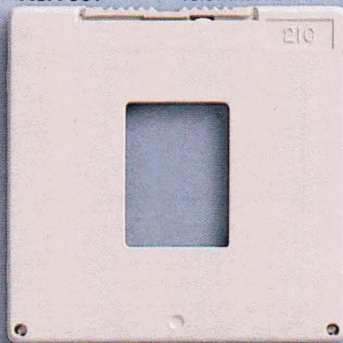
Archival mounts are available in the Wess 001 (ANSI/AMI Standard) and Wess 500 (Full-frame) apertures. They are supplied as a box of 50 frames and 100 pieces of etched A/N glass. These mounts may be purchased in optional colors; see price list for additional information including minimum quantities.



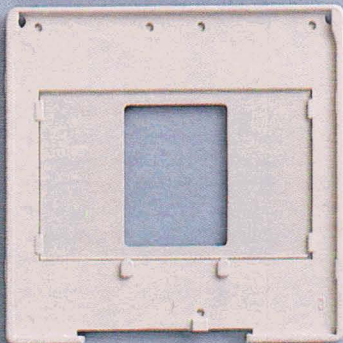
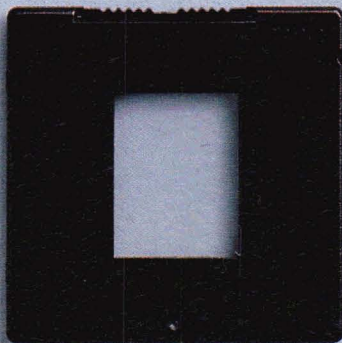
For thin metalized tape, see Mounting Aids Section.

Film is sandwiched between A/N glass and can be bound with tape to encapsulate the image.

ACA 001 15.3mm x 21.4



ACA 500 K 18.2 x 24.2mm
ACP 500 K full-frame



Inside of ACA 001



AVA 211 16.8 x 23.5mm
AVX 211

35mm Half-Frame/Cine Peg & VR Mounts (4-perforation format)

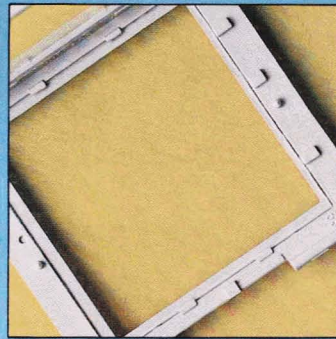
These Wess mounts have been developed for mounting a single 35mm frame from a motion picture camera, film strip, or a half-frame (still) camera. Since all these formats cover only four film perforations, the mount has a special peg configuration. Two peg mounts are available, the ACA 001 and full-frame ACA 500 K. For unregistered half-frame images, use the Wess AVA 211 and AVX 211 Variable Registration (VR) slide mounts. ACA 001 and ACA 500 K are supplied as boxes of 50.

	4-perf Peg 21.4 x 15.3mm	4-perf Peg 18.2 x 24.2mm	VR Pin 16.8 x 23.4mm
A/N Glass	ACA 001	ACA 500 K	AVA 211
Plain Glass		ACP 500 K	
Glassless			AVX 211

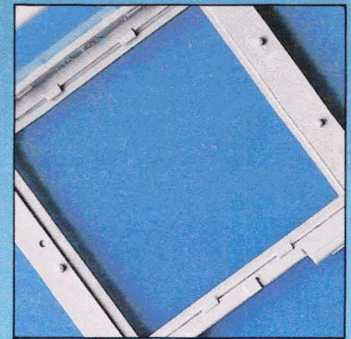
NOTE: 35mm Special-FX apertures AVA 227, AVA 310, AVA 311, AVX 227, AVX 310, and AVX 311 may be used for 4-perforation half-frame images.

Super-Slide Mounts (for 46mm and trimmed film)

Wess Super-slide mounts are designed to fit standard 2 x 2" (50 x 50mm) type projectors but offer a larger image area than 35mm formats. Wess offers Peg Super-slide mounts for 46mm perforated film and VR mounts for other trimmed formats. These types are identical except for their method of positioning the film. Wess super-slide mounts are available only with anti-Newton ring glass in boxes of 50.



Inside View
46mm Peg Mount



Inside View
VR Super-slide Mount

Wess 46mm Super Precision (SP) Peg Mounts

Some A-V producers prefer to use super-slides due to the larger, square image. Super-slides can hold more "information", and the 1:1 aspect ratio is better suited to some types of subject matter and presentations. Most of these images originate from other formats and film sizes, such as 6 x 6cm. They are then duplicated onto 46mm film to fit super-slide mounts.

Wess 46mm Super-slide Mounts are only available in the Peg configuration; since they are all made in the same mold, they fall into the Super Precision (SP) category. The Wess TC 1001 Film Cutting and Registration Unit can be used to trim larger formats to the 46mm size and to punch the required edge perforations. Ask your Wess Customer Service Representative or local distributor for more information regarding this product.

Wess Variable Registration (VR) Pin Mounts

A number of years ago there were many cameras which used #127 roll film to produce super-slides. Unfortunately, as transparency films are no longer available in this size, most super-slide images are now made by trimming larger formats. Wess VR Super-slide Mounts feature the VR-pin system for holding the film. Due to the close tolerances required to trim and edge punch the film for these mounts, it is highly recommended that the user also purchase a Wess TR 2135 Super VR System. See the section on Film Trimming and Registration Devices for more information regarding this product.

NOTE: Super-slide mounts must be positioned in the tray so that the locating notch is on the upper right (outside) edge.

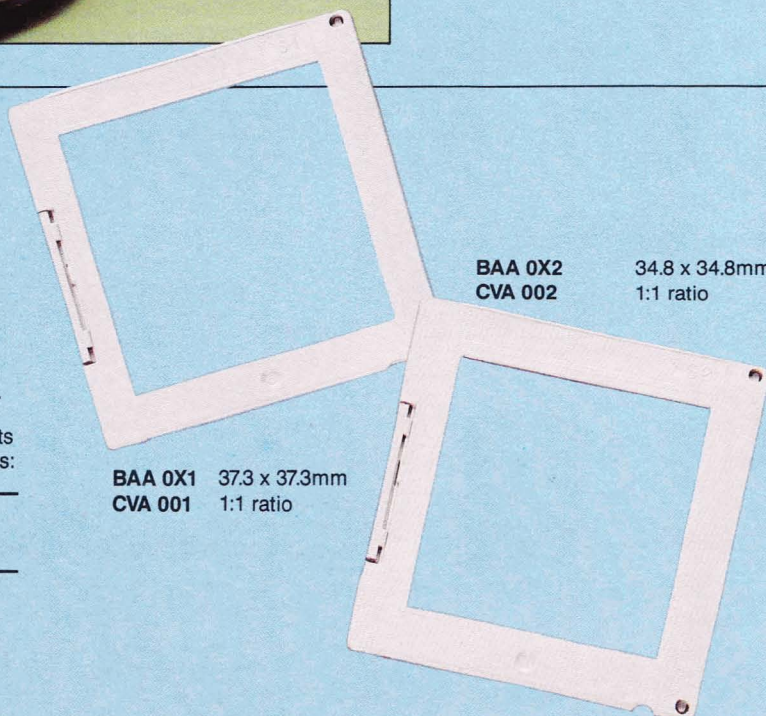
Standard Aperture Super-Slide Mounts

001 and 0X1 Standard Apertures

The 001 and 0X1 apertures measure 37.3 x 37.3mm and meet the original super-slide standard.

001 and 0X1 aperture slide mounts are available in the following types:

	46mm SP Peg	VR Pin
A/N Glass	BAA 0X1	CVA 001



BAA 0X1 37.3 x 37.3mm
CVA 001 1:1 ratio

BAA 0X2 34.8 x 34.8mm
CVA 002 1:1 ratio

002 and 0X2 Standard Apertures

The 002 and 0X2 34.8 x 34.8mm aperture is smaller than that usually found with other super-slide mounts. This feature helps mask vignetting which often occurs at the corners of projected super-slide images. An additional advantage is that the 34.8mm measurement matches the long side of a Wess 35mm 002 aperture. This allows super-slides to be mixed with 35mm images without over-projecting the screen.

002 and 0X2 aperture slide mounts are available in the following types:

	46mm SP Peg	VR Pin
A/N Glass	BAA 0X2	CVA 002

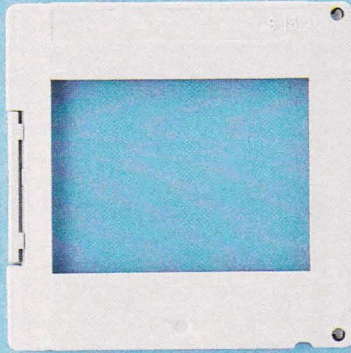
Special-FX 46mm Peg Super-Slide Mounts

Wess Special-FX Super-slide mounts provide an easy-to-use tool for producing on-screen special effects. A large selection of patterns have been produced for cropping or masking purposes. Special-FX mounts are

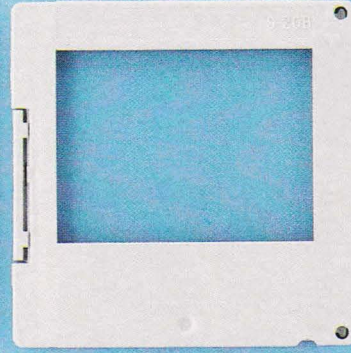
available only for 46mm pin-registered film, and are supplied with A/N glass. They may be mixed with both Peg or VR super-slides. The following mounts are shown approximately 90% (0.9X) of full size.

100 SERIES

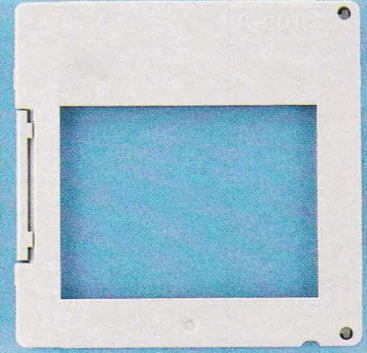
These mounts are compatible with BAA 0X1 and CVA 001; that is, one aperture dimension is 37.3mm. Series 100 mounts will over-project the screen if the presentation was based on Series 200 mounts.



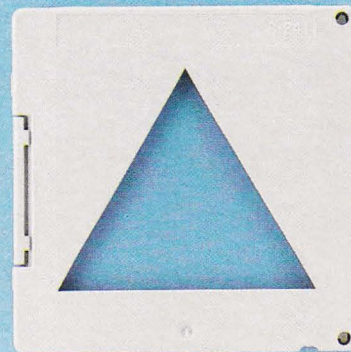
BAA 101
CVA 101 37.3 x 28.0mm
4:3 ratio



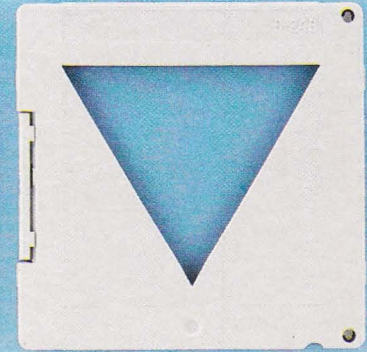
BAA 102 37.3 x 28.8mm
offset 4:3 ratio



BAA 103 37.3 x 28.0mm
offset 4:3 ratio



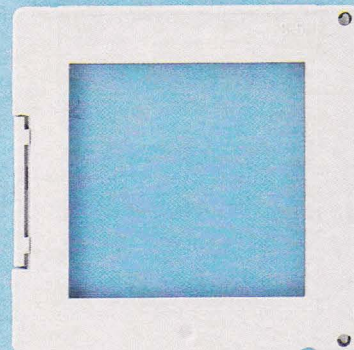
BAA 104 37.3mm per side



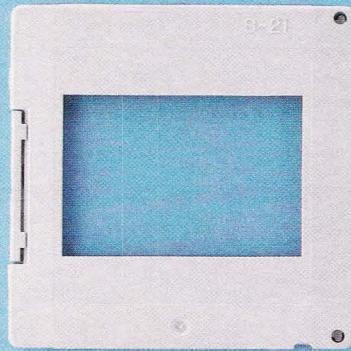
BAA 105 37.3mm per side

200 SERIES

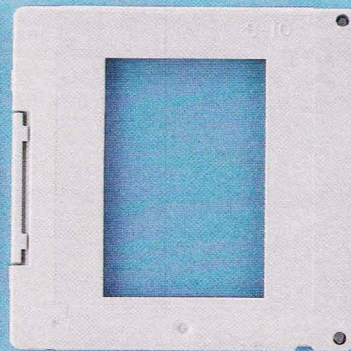
These mounts are compatible with BAA 0X2 and CVA 002; that is, one aperture dimension is 34.8mm. Series 200 super-slides will generally under-project the screen in presentations based on Series 100 mounts.



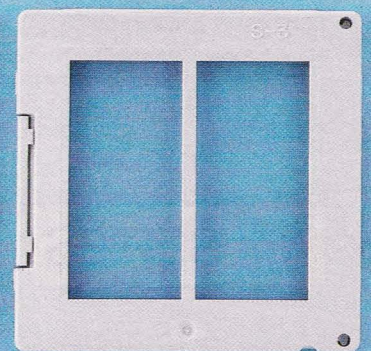
BAA 203 34.0 x 34.0mm
1:1 ratio



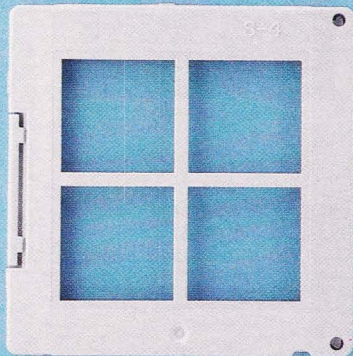
BAA 208 34.8 x 23.4mm
3:2 ratio



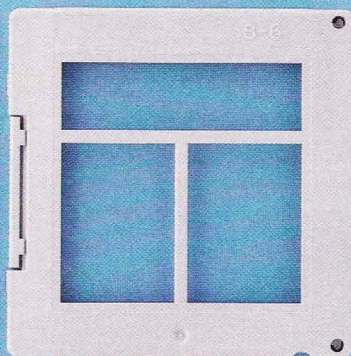
BAA 207 23.4 x 34.8mm
2:3 ratio



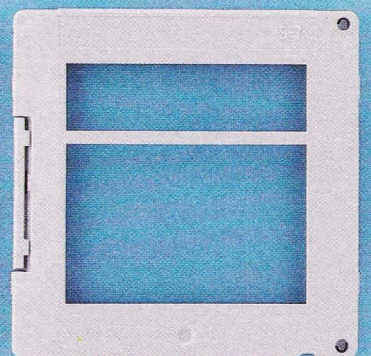
BAA 201 (2)16.4 x 34.8mm



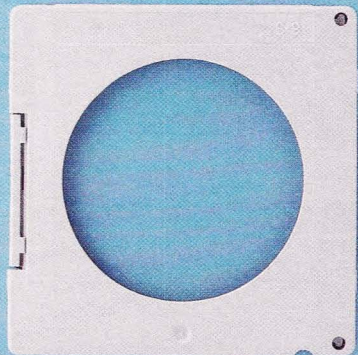
BAA 202 (4)16.4 x 16.4mm



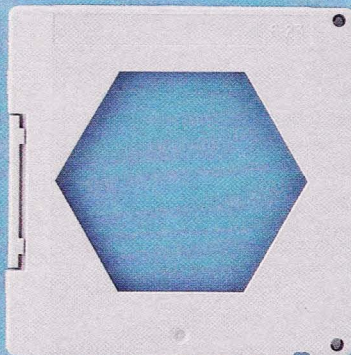
BAA 204 (1)34.8 x 10.0mm
(2)16.4 x 22.8mm



BAA 205 (1)34.8 x 10.0mm
(1)34.8 x 22.8mm



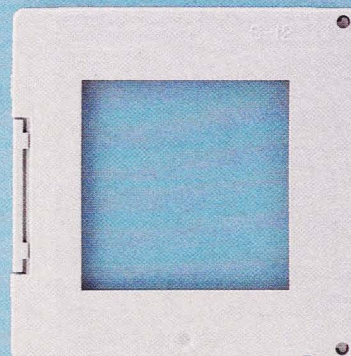
BAA 206 34.8mm
diameter



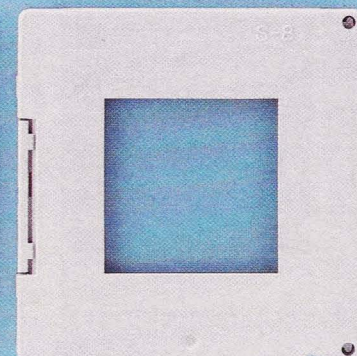
BAA 209 18.3mm per side
34.8 x 34.8mm
vertex to vertex

300 SERIES

These mounts may be mixed with any other super-slide without fear of over-projecting.

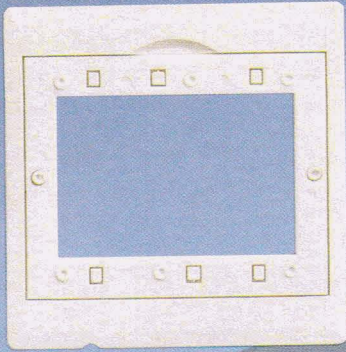


BAA 302 30.0 x 30.0mm
1:1 ratio

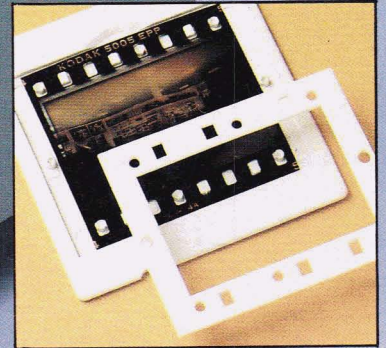


BAA 301 25.0 x 25.0mm
1:1 ratio

**Wess "AAY" Series
35mm Peg Glassless Slide Mounts
for High-Capacity Trays**



AAY 001 W
34.2 x 22.9mm
3:2 (1.5:1) ratio



The Wess AAY Peg Glassless mount is designed for those requiring a "thin" mount with precise image registration. Only 1.5mm thick, the AAY mount will fit most high-capacity 5 x 5cm (2 x 2") slide trays. Its six registration pegs will hold up to two film chips, allowing the use of masks.

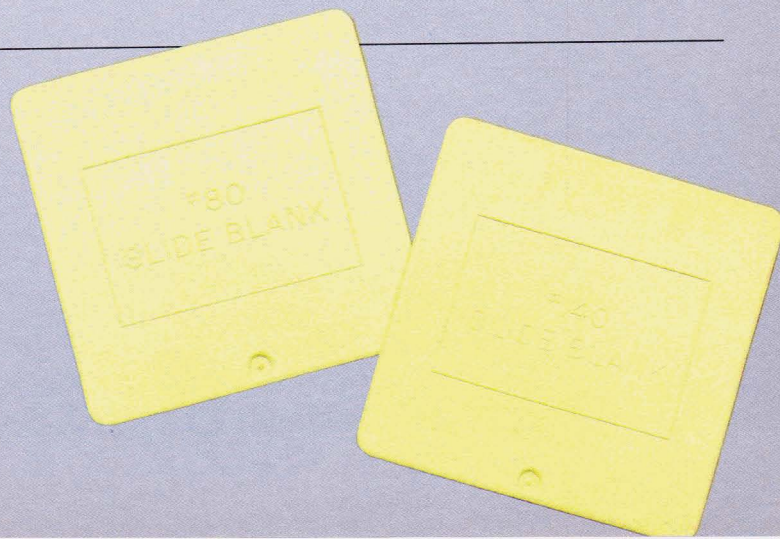
AAY mounts are constructed in two pieces and must be sealed using the TM 3015 Wess Slide Mounting Unit. (See page 45 for additional information.) These mounts are supplied as a box of 200.

For Pin-Registered Film Only.

2 x 2" (5 x 5cm) Slide Blanks

Slide Blanks are useful for projectors without a dark-shutter as they can be placed in empty slide tray slots to prevent annoying glare. During editing they are utilized in storage pages or slide trays to mark the position of a missing slide. They are also handy to shim a tilted projector. Wess Slide Blanks are available in two models. Both are molded of heat resistant yellow plastic to distinguish them from slide mounts when inserted in a tray.

The AXY 000 is 0.055" (1.4mm) thick and may be used in all 2 x 2" (5 x 5cm) slide trays.

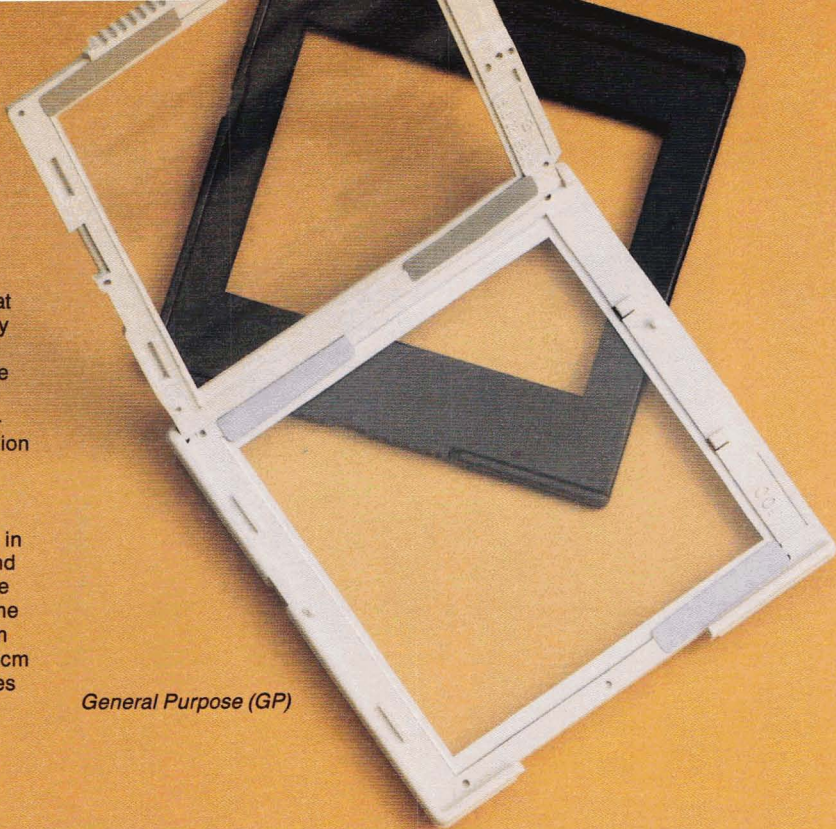


Wess Medium Format Slide Mounts

7x7cm and 8.5x8.5cm

The term "medium format" designates an image which is larger than 35mm, but smaller than 4x5". Despite the proliferation of 35mm equipment, the medium format has experienced increased popularity among demanding photographers. This is not surprising as the 6x6cm format has 3½ times the area of a 35mm slide, and can hold proportionally more image information. The larger size also means that less magnification is needed when projecting a transparency, or making a print; consequently medium format images usually look sharper and appear to possess a larger range of tones.

The Wess range of medium format slide mounts is designed to satisfy the needs of both photographers and A-V producers. All mounts are 3mm thick, insuring trouble-free presentations with gravity or side-feed slide trays. Hinged construction virtually eliminates potential for scratching the image during mounting. For presentation purposes, most mounts are available in black as well as standard gray; and for additional cost, mounts may be personalized with a company name or logo, copyright, or other custom design. Wess 7x7cm and 8.5x8.5cm slide mounts are supplied as boxes of twenty.

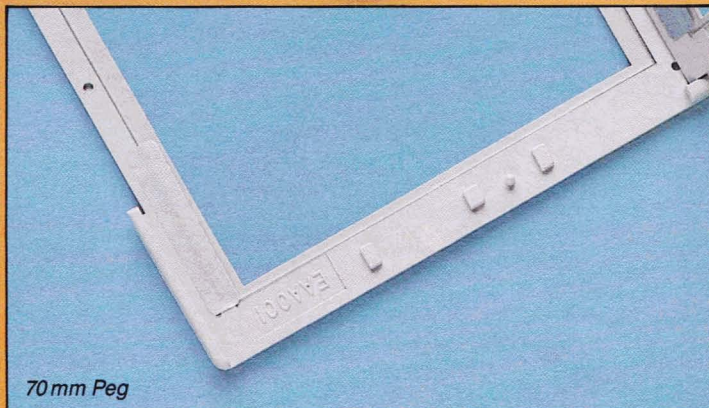


General Purpose (GP)

Medium Format Peg Mounts (for pin-registered 70mm film)

Wess 70mm Peg Mounts hold the image in the mount with three precisely positioned registration pegs; these coincide with the film's perforations. Presently there are no pin-registered 70mm field cameras or camera backs; however, A-V producers often make original or duplicate images using specialized pin-registered copy stand (rostrum)

cameras. Pin-registration is required to project many special effects; therefore a 70mm registered slide mount becomes fundamental to many presentations. Please note that 70mm film is as wide as a 7 x 7cm mount. In order to fit the film within the mount, edge perforations on one side must be partially trimmed.



70mm Peg

Medium Format VR Pin Mounts (for 120/220, 70mm, Wide-35mm, and Trimmed Sheet Film)

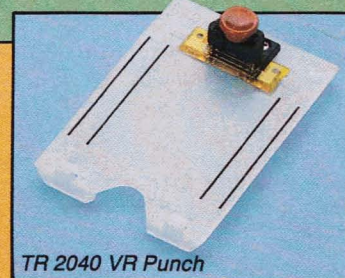
The Wess VR (Variable Registration) pin System is employed for 120/220, unregistered 70mm, Wide-35mm, and trimmed sheet films. The VR System requires film to be edge-punched before mounting. There are numerous advantages to this technique; images are aligned squarely to the mount aperture and two images can be easily combined for special effects. In addition, placing

the film on VR pins prevents it from slipping within the mount, yet images can be removed for reproduction purposes, then easily remounted.

The TR 2040 Medium Format VR Punch completes the system for image formats up to 6x6cm. Larger images, which use the Wide-VR (WVR) pin-spacing, will require the TR 2050 MultiFormat VR Punch. The VR System is not available in all mount sizes.



70mm and 120/220 VR Pin



TR 2040 VR Punch



001*
54.0 x 54.0mm
1:1 ratio
6 x 6cm format

002
54.0 x 40.1mm
1.3:1 (4:3) ratio
6 x 4.5cm format

400
54.0 x 23.4mm
2.3:1 ratio for
35mm film

Medium Format General Purpose (GP) Mounts (for 120/220 roll film)

Wess Medium Format GP Mounts are designed for images on #120 and #220 roll film. Film is placed in the mount by slipping a factory trimmed edge under two plastic spring clips. A set of location rails butt against the opposing edge of the film, helping to keep the image square in the mount. The GP mount is the easiest to use, and recommended for simple slide presentations or display purposes. For presentations, or lab work requiring registration of 120/220 images, we advise using Wess Variable Registration slide mounts.

7 x 7cm Medium Format Slide Mounts

	for the 6 x 6cm format	for the 6 x 4.5cm format	Special Formats
120/220 GP A/N Glass	DGA 001/001 K	DGA 002/002 K	
120/220 GP Glassless	DGX 001/001 K	DGX 002/002 K	
120/220 VR A/N Glass	DVA 001/001 K	DVA 002/002 K	
120/220 VR Glassless	DVX 001/001 K	DVX 002/002 K	
70mm Peg A/N Glass	EAA001/301/500	EAA 002	
70mm VR A/N Glass	EVA 001	EVA 002	
35mm VR A/N Glass			EVA 400
35mm VR Glassless			EVX 400
35mm Peg Glass			EAA 400

Product numbers ending in "K" indicate that the mount is black.

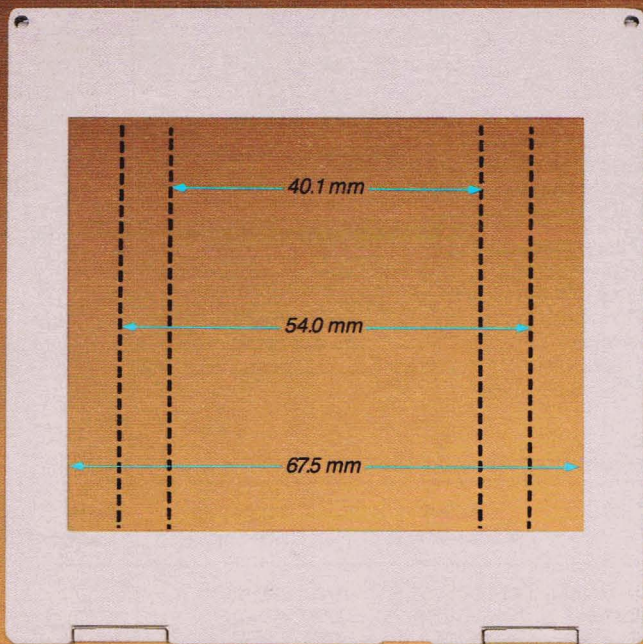
Actual Aperture Sizes for 7 x 7cm Slide Mounts

- 001 = 54.0x54.0mm Standard aperture for 6x6cm format
- 002 = 54.0x40.1mm Standard aperture for 6x4.5cm format
- 301 = 53.5x53.5mm cropped aperture for the 6x6cm format
- 400 = 54.0x23.4mm aperture for panoramas on 35mm film
- 500 = 55.2x55.2mm extra large aperture for 6x6cm format

*Slightly smaller and larger apertures are available in EAA types. Refer to chart.

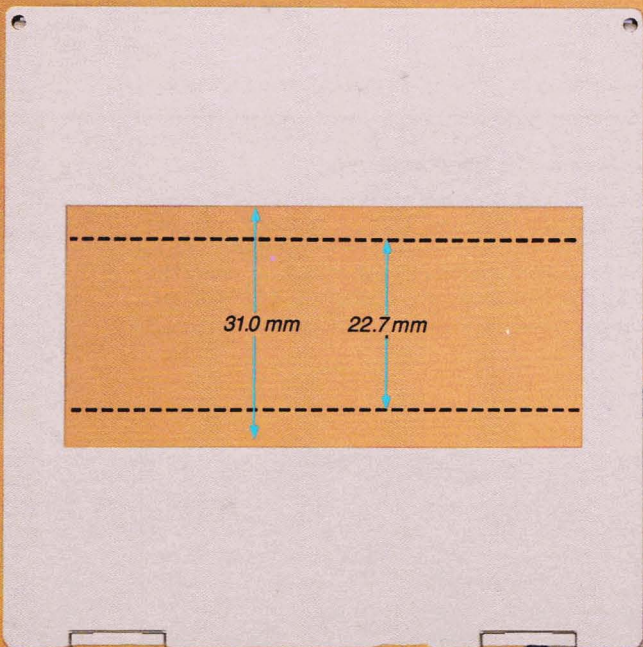
The Wide-35mm Aperture

A special 7 x 7cm "Wide-35" glass mount with a 54.0 x 23.4mm (2.13 x 0.92") aperture is available for images from panoramic/wide-field 35mm cameras. The aperture height matches that of the 35mm 002; the width equals that of the other 7 x 7cm mounts. The Wide-35 mount is only available in the VR pin and peg configuration, with or without A/N glass.



standard mounts

shown actual size



panoramic mounts

8.5 x 8.5cm Medium Format Slide Mounts

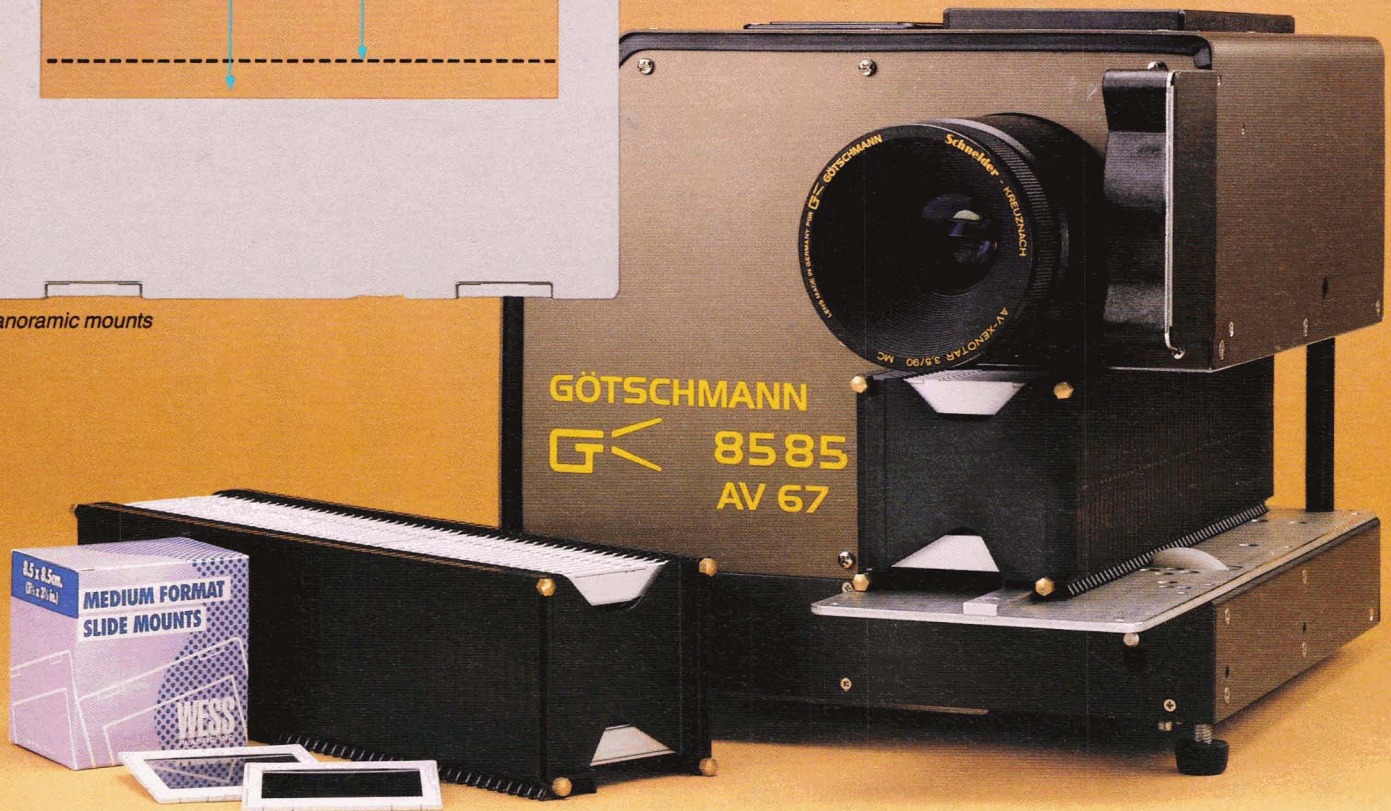
In the past few years, medium format has moved into the A-V arena. The introduction of professional level medium format projectors has made it easier to integrate the large image into sophisticated productions. Medium format has become the expert's choice when a presentation requires brilliant, highly detailed images. Where its capabilities are not fully required, medium format has been mixed with 35mm to provide large seamless panoramas, background images, etc. At Expo '92 in Seville, Spain, medium format projection helped create large scale slide "environments," with a quality level unmatched by any other medium.

	for the 6x7cm format	for the 6x6cm format	for the 6x4.5cm format
120/220GP A/N Glass	IGA 067/701/702	IGA 001	IGA 002
120/220GP Glassless	IGX067/067 K/701/702	IGX 001/001 K	IGX002/002 K
70mm Peg A/N Glass	JAA 067/701/702	JAA 001	JAA 002
70mm Peg Glassless	JAX 067/067 K	JAX 001/001 K/701/702	JAX 002/002 K

Product numbers ending in "K" indicate that the mount is black.

Actual Aperture Sizes for 8.5 x 8.5cm Slide Mounts

- 001 = 54.0 x 54.0mm Standard aperture for 6 x 6cm format
- 002 = 54.0 x 40.1mm Standard aperture for 6 x 4.5cm format
- 067 = 54.0 x 67.5mm Standard aperture for 6 x 7 cm format
- 701 = 31.0 x 67.5mm 2.2:1 panorama aperture for 6 x 7cm format
- 702 = 22.7 x 67.5mm 3:1 panorama aperture for 6 x 7cm format



PRESENTATION MOUNTS

10.5 x 8.5cm (for 120/220 and 70mm film)

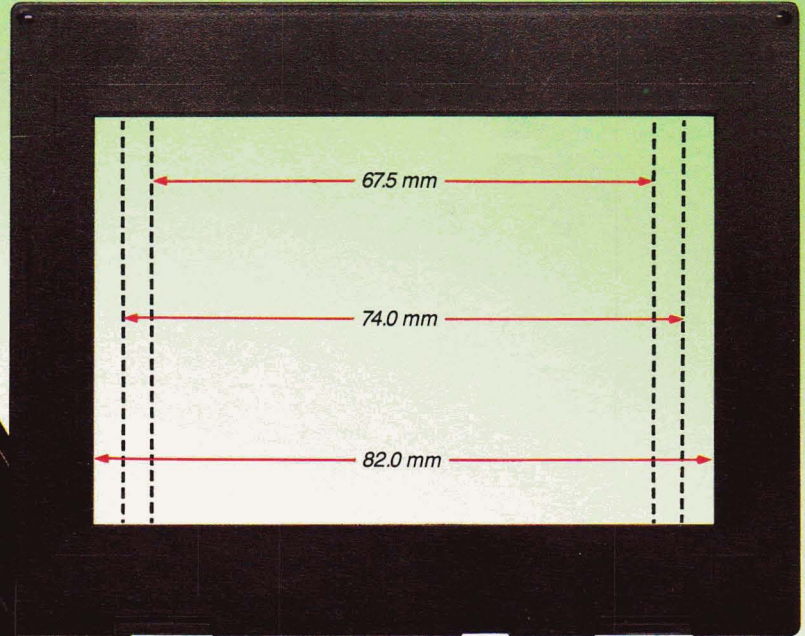
Wess Presentation Mounts are a convenient way to store, handle, or display single 6 x 7cm, 6 x 8cm, or 6 x 9cm transparencies. Presentation Mounts are glassless and molded in black plastic to provide the image with a contrasting frame.

Most formats are offered in General Purpose (GP) or Wide Variable Registration (WVR) types. Wess also offers a 70mm Peg type mount for pin-registered 6 x 9cm duplicates; a common size for enlarged 35mm stock images. Wess Presentation Mounts are supplied as boxes of twenty.

	for the 6 x 9cm format	for the 6 x 8cm format	for the 6 x 7cm format
120/220GP Glassless	FGX 069 K	FGX 068 K	FGX 067 K
120/220WVR Glassless	FWX 069 K	FWX 068 K	FWX 067 K
70mm Peg Glassless		HAX 069 K	HAX 067 K
70mm WVR Glassless		HWX 069 K	HWX 067 K

Actual Aperture Sizes for 8.5 x 10.5cm Presentation Mounts

- 067 = 54.0 x 67.5mm Standard aperture for 6 x 7cm format
- 068 = 54.0 x 74.0mm Standard aperture for 6 x 8cm format
- 069 = 54.0 x 82.0mm Standard aperture for 6 x 9cm format



shown actual size



SPECIAL EFFECTS DEVICES



The Wess Holder SE 7200

Registration Device for 35mm Slide Copying and Contact Printing

The Wess Holder is used to hold 2 x 2" (5 x 5cm) slide mounts or 35mm film chips on the copy-stage of a duplicating device. It may also be used as a contact printing frame to produce 1:1 in-register duplicates, reversals, mattes, or masks.

Operation:

To use the Holder, one to four film chips are mounted on a slide carrier. The carrier fits into the Holder base and is held in place accurately by a retaining spring. A pressure plate is placed over the film chip(s) and secured by two spring-loaded twist-locks, insuring that the film is held flat.

For Use With Your Copy Camera:

For re-photography, the Holder accurately positions the original 35mm film under the camera lens. This allows the user to make successive exposures without realigning the original or the

camera. The Holder is particularly helpful when creating title slides or other special effects with multiple exposures. The Holder base will accept and accurately position 2 x 2" (5 x 5cm) Wess slide mounts in place of the film carrier; in these cases the pressure plate is not required.

For Contact Printing:

For contact printing in register, the original image is placed on a Peg carrier. If a VR Hand-punch is available, a VR Pin film carrier may be substituted. A strip of unexposed copy film is laid emulsion down over the original on the pegs or pins and the solid pressure plate locked in place. A short duration exposure from a light source finishes the task. The Holder may be flipped upside down for use with an overhead light source.

The Holder measures 3.50 x 4.50" (88 x 114mm) and may be fitted on 2.25 x 2.25" (60 x 60mm) and smaller light sources or the Wess Director/Mini-Director compound tables. Optional adapters are available for larger light sources. The Holder includes a base, A/N glass and glassless Peg, VR Pin, and unregistered film carriers, as well as glass, glassless, and solid pressure plates. A 46mm film carrier and glass pressure plate (RA 7233 and RA 7218) are available as options.

Uses/Features:

- Fits your duplicating device for exact positioning of film chips, masks, and mattes.
- Aids in making title slides, combining images, and producing other special effects.
- Accepts individual film chips or 2 x 2" (5 x 5cm) Wess mounts.
- Doubles as an in-register 1:1 contact printing frame for reversals, mattes, or masks.
- Adaptable to most light sources and the Wess Director(s).

Holder Effects

Produce special effects by combining masks with your image

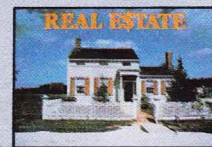


Communicate with Slides

Add titles to existing images



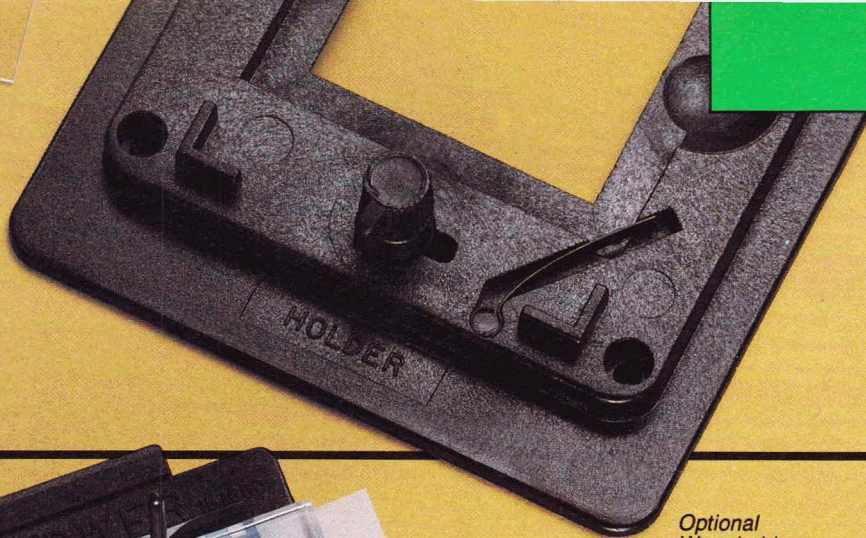
Communicate with Slides



Communicate with Slides

Produce 1:1 contact printed high contrast reversals

Glass Spacer



Optional Wess holder

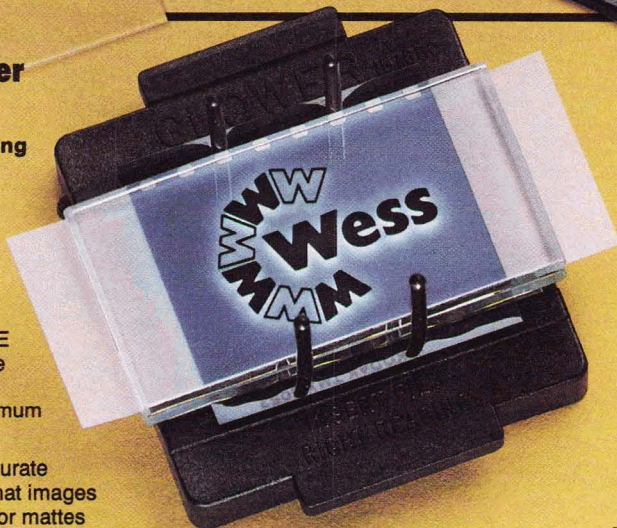
The Wess Glower SE 7650

For Producing Exciting "Glow" Effects

The Wess Glower is a copy-stage 35mm special effects device for use with the Wess Holder (SE 7200) or Composer (SE 7300). It helps produce exciting titles for slide presentations with minimum effort and expense.

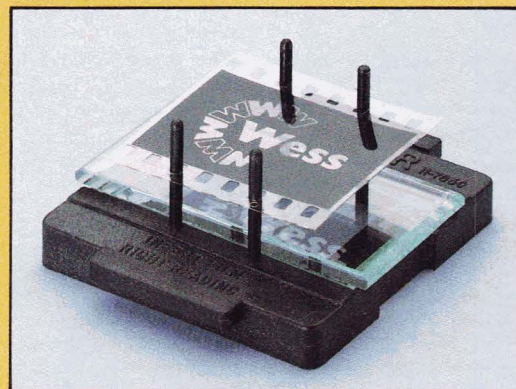
The Glower allows accurate stacking of 35mm format images and in-register masks or mattes (see Wess Holder, on opposite page). Filter gels, diffusion sheets, etc. may be sandwiched at varying distances from the 35mm image to create glow, aura, neon, or other effects.

The Glower is unique in that it permits the photographer to achieve repeatable results at 1:1 (1X) and larger reproduction ratios, using only 35mm films. Typically larger, more expensive formats, such as 4 x 5" (9 x 12cm), are utilized to achieve the required control.

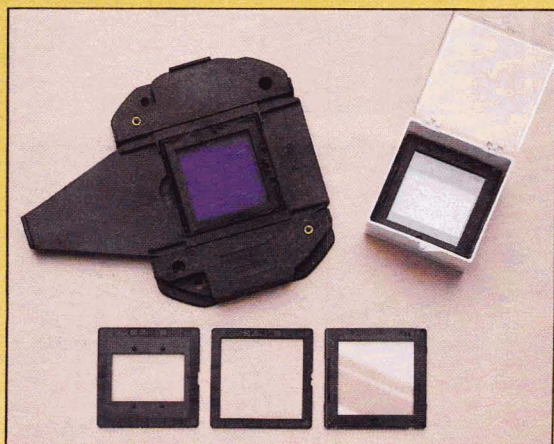


Diffusion sheet is placed between positive and negative images to help produce glow effect.

The Glower consists of a Glower Base having four tall registration pins, diffusion material, a set of flat glass spacers, and basic instructions. In addition to the Wess Holder or Composer, the Glower requires a 35mm format copy-stand camera with light source. A sub-stage Filter Drawer (SE 7600) is available as an accessory.



Images are held in registration by four extra tall pins. Glass spacers are used between positive and negative in-register images.



Optional substage Filter Drawer, SE 7600

Glower Effects

Outside glow



Multi-color outside glow

Inside glow

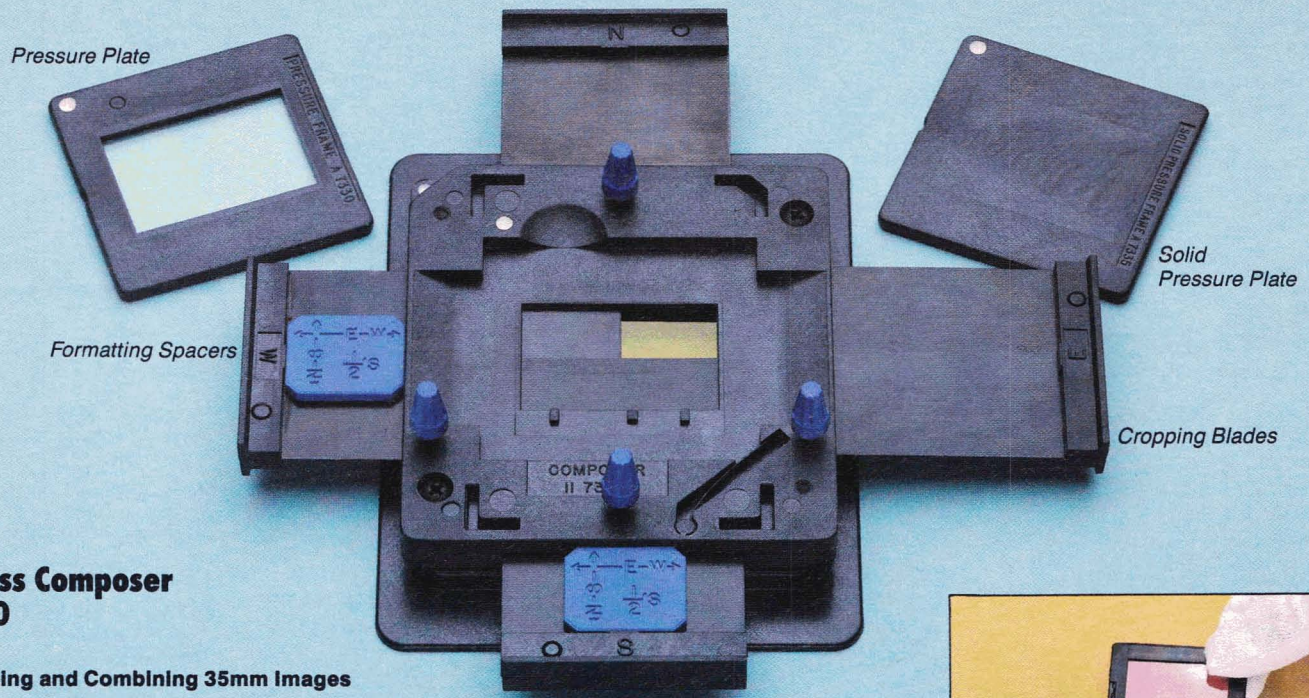


Inside glow

Glow with hard-edge mask



Outside glow with rippled diffuser



The Wess Composer SE 7300

For Cropping and Combining 35mm Images

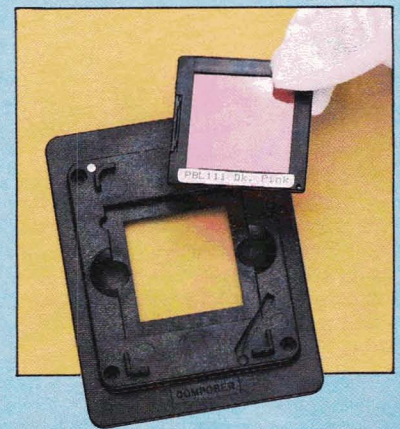
The Wess Composer is an accessory for 35mm slide duplicating units. It allows you to crop or mask any part of the image to a square or rectangle. If you have a camera with multi-exposure capabilities, the Composer may be used to combine portions of images or to produce progressive disclosure title slides.

Unmounted pin-registered 35mm transparencies are placed on registration pegs within a nest in the Composer Slider Assembly. The flip side of the slider assembly has pins for VR registered images; the pins are removed for unregistered film.

A glass pressure frame holds the original film chip flat during exposure to insure sharp results.

Four adjustable cropping blades are used to mask portions of the image. Formatting spacers allow you to accurately divide the 35mm frame's long dimension by half and thirds, its short side by half. Spacers can be combined to produce thirds, quarters, and sixths of the full image, based on the Wess 35mm 002 mount aperture. The spacers will normally create sharp black lines (mullions) between combined divisions. Visual adjustment of the cropping blades can also be made using your camera's grid viewing screen or an optional Wess QA 7100 Alignment Slide.

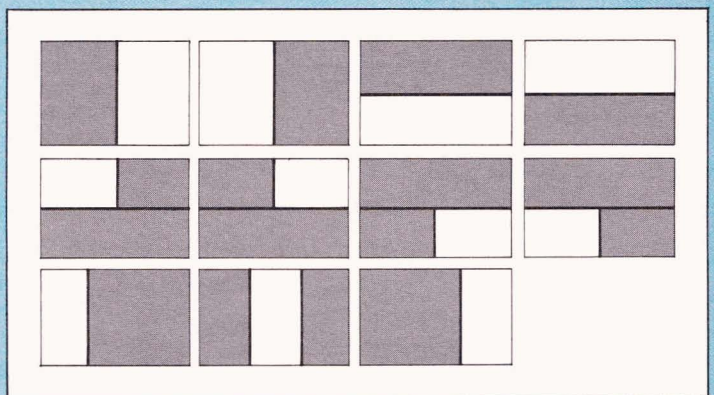
The Composer is supplied with two bases. One may be mounted on a viewing box to preadjust the cropping blades; the second is fixed to the light source. A set of six mounted gels, which fit into the base, are provided for quick color changes. The base may also be used without the slider assembly to accurately position Wess slide mounts on the duplication unit. The Composer measures 6.5 x 7.0" (16.5 x 17.8cm) with blades extended. It may be fitted to 2.25 x 2.25" (6 x 6cm) and smaller light sources or the Wess Director/Mini-Director compound tables. Optional adapter plates are available for larger light sources.



Taping down the composer base is made easy with its wide flanges.

Mounting screws also provided for permanent installation.

Some Cropping Blade Positions Using Spacers



Uses/Features:

- Crop any part of a 35mm image to square or rectangle proportions.
- Combine portions of several images.
- Produce multi-colored and progressive disclosure title slides by selective masking.
- Accurately position film chips for copying/duplication.
- Adapts to most light sources and the Wess Director(s).

Composer Effects



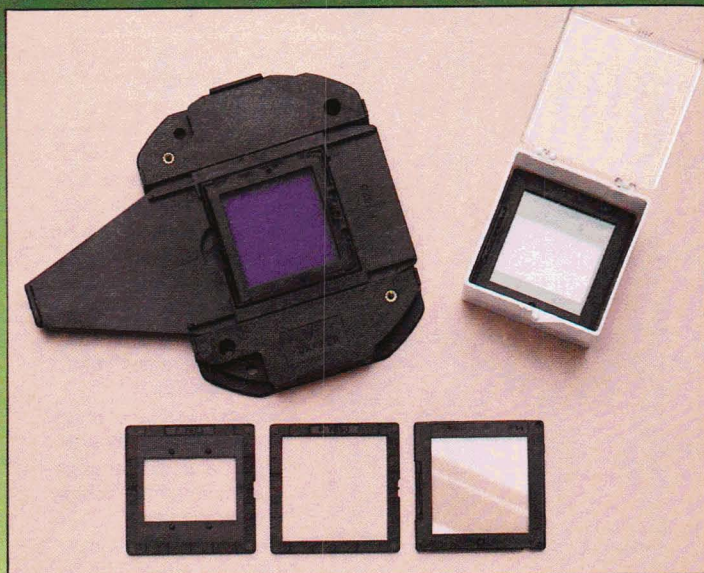
Multi-colored titles



Combining portions of images



Eliminating unwanted detail



The Wess Filter Drawer SE 7600

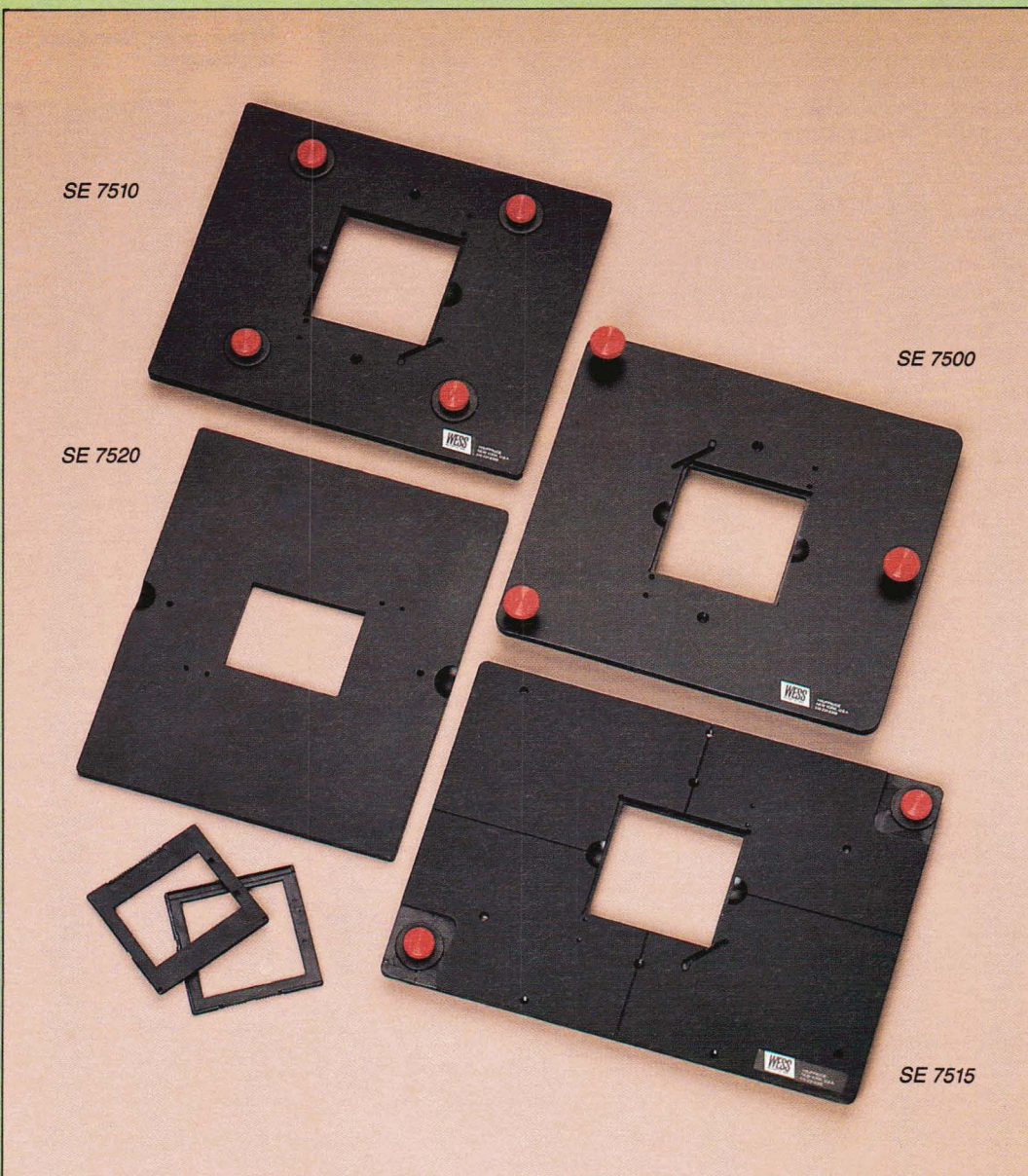
For Inserting Filters Below the Wess Holder or Composer

The Wess Filter Drawer is an inexpensive multi-purpose accessory for the Wess Holder or Composer. The Filter Drawer accepts 2 x 2" (5 x 5cm) filters in frames and slide mounts. It may be fitted directly to 2.25 x 2.25" (6 x 6cm) and smaller light sources or the Wess Director compound table (SE 9000) or Mini Director (SE 9050).

Even if you own a duplicating device with adjustable color filtration, the Filter Drawer makes it easier to insert light balancing (LB), color separation, graduated density, or split filters. The Filter Drawer is supplied with filter frames and mounting screws.

Uses / Features:

- Hold the prime filtration used for duplicating/printing slides or negatives.
- Add supplementary filtration without altering the light source's original color settings.
- Add neutral density filtration or diffusion to lengthen exposures.
- Hold cut, combined, and stacked gels for selective color changes.



Copy Stage/ Duplicator Adapters

The SE 7500, SE 7510 and SE 7515 adapters will accept 7 x 7cm slide mounts as well as the SE 7200 Holder, SE 7300 Composer, SE 9050 Mini-Director, SE 9030 4 x 5" Light Expansion Box, and/or SE 7610 75mm Filter Holder. The SE 7520 adapter accepts the SE 7200 Holder or SE 7300 Composer.

5 x 5" / 13 x 13cm II Universal Adapter SE 7500

Product SE 7500 is for light sources with diffuser surfaces up to 5 x 5" (13 x 13cm). The SE 7500 features a cork friction pad on its bottom surface, but may be easily moved by extending three small support glider-feet. It measures 21.2 x 18.7cm (8.25 x 7.36").

ChromoPro Adapter II SE 7510

The SE 7510 attaches directly to the top surface of the 4 x 5" ChromoPro Duplicator. It measures 21.1 x 17.3cm (8.31 x 6.81").

Beseler Dual-Mode Adapter SE 7515

The SE 7515 attaches directly to the top of the Beseler Duplicator. It measures 18.4 x 25.4cm (7.25 x 10.0").

Maron Adapter SE 7520

The SE 7520 fits onto the location pins found on the Maron camera's copy stage. It measures 17.5 x 21.0cm (6.88 x 8.25").

The Wess Duper SE 7150/SE 7151/SE 7149

For 1:1 Contact Printing on Duplicating, Print, and High-contrast Film

Many times there is a requirement for exact 1:1 (1X) reproduction of a 35mm photographic image. In the A-V field the need may be an in-register duplicate transparency or high-contrast reversal mask. Other photographic applications include the production of continuous tone reversal "prints", internegatives, and contrast control masks. To accomplish these tasks, Wess has developed a simple, inexpensive 35mm contact printer. The Duper and your light source will reduce cost and time while assuring consistent, accurate 1:1 reproductions.

Mounting the Original:

The Duper accepts three individual originals at one time. Uncut film strips cannot be used unless they were produced with the Wess Splitter (page 36). With the SE 7150 and SE 7149, registered originals are mounted on two pegs above each of the three exposure windows. In the situation where unsharp contrast control masks are being made, diffusion material is

usually placed over the originals on the registration pegs. Soft or hard-edge masks may also be sandwiched with the original. The SE 7151 is for unregistered images and requires that they be taped in position; a hole in the Duper base aids in aligning the image when it is placed over a light source.

Positioning the Unexposed Film:

The Duper is equipped with a cartridge track which helps measure the length of film required for three contact frames. Under darkroom conditions, unexposed film is withdrawn from a 35mm cartridge (magazine) and positioned on pegs at both ends of the contact frame. The hinged pressure plate is closed to keep the original and copy stock flat.

Exposing the Film:

When positioned with the three small doors hanging open, film can be exposed with an underneath light source. For overhead point light sources, such as enlargers, the contact frame is flipped over.

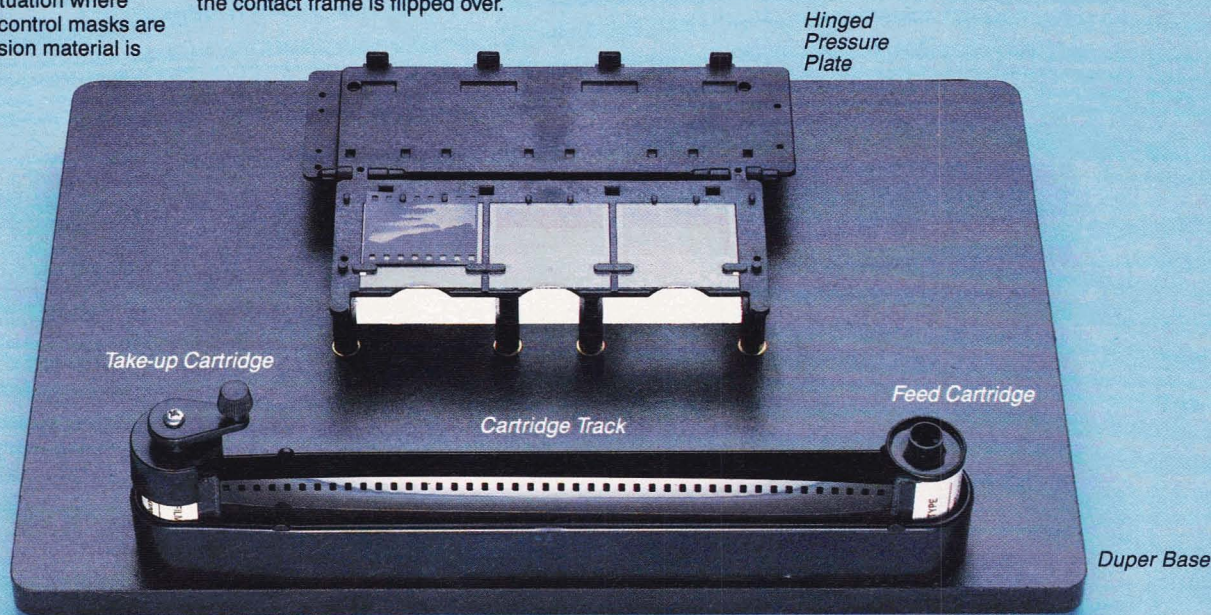
In this case the three doors can be individually opened and closed to vary exposure or color filtration for each original. After exposure, swing the contact frame over, open, and remove the film (which may be wound into a second take-up cartridge).

There are three versions of the Duper. The SE 7150 is used for making contacts from in-register images and the SE 7151 is for non-registered images. Both these models are for use with polyester base film. The third model is the SE 7149; this has a slightly smaller registration-peg separation for copying film strips having reduced (shrunken) film pitch. The Duper measures 9.25 x 13.50" (23.5 x 34.3cm); an underneath light source should be at least 2 x 5" (5 x 13cm) in size. For duplicating color transparencies, a color balanced (filtered) light source will be required.

**For explanation of long and short perforation pitch, see ANSI/SMPTE 139-1986.*

Uses / Features:

- Original images and masks can be contact printed in-register (models SE 7150 and SE 7149), three frames at one time.
- A 36-exposure roll of film will yield 8 sets of 3 frames.
- Can be used with overhead or sub-stage light sources.
- Quickly duplicates soft-edge panoramas made on the Wess Splitter.
- Allows insertion of masks and diffusion materials.
- Optional contact frames may be interchanged on the same base.
- Base has a non-skid bottom, cartridge track, and winder for easy film handling.
- May be used with anti-Newton glass, plain glass, or glassless.



Contact frame can flip over...



Exposure can be accomplished using an overhead light source.

The Wess Grouper SE 8000

Combines 4 to 16 Full 35mm Images on a Single Slide

The magic of a sixteen projector show can be yours for only a fraction of the cost and effort! When using the Wess Grouper, up to sixteen 35mm images can be combined on a single slide, providing a means to quickly display multiple images for entertainment, promotional, or instructional purposes.

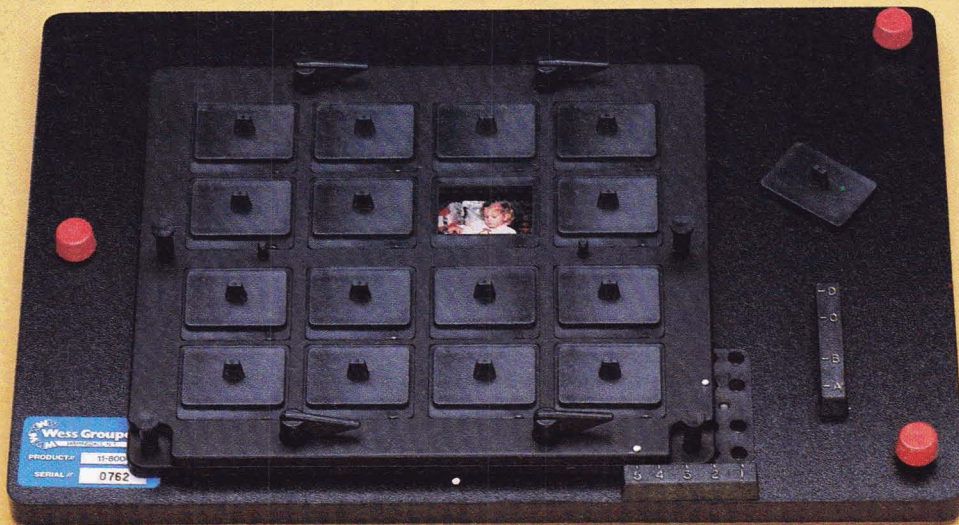
The Grouper is a precision step-and-repeat device used with your optical duplicating system. It is mounted over a color corrected light source measuring a minimum of 4 x 6" (10 x 15cm) for 16 images or 3 x 4.5" (7.5 x 12cm) for 9 images. It allows you to select from 2 x 2, 3 x 3, 4 x 4, or 12 around 1 formats. The Grouper measures 9.25 x 13.50" (23.5 x 34.3cm).

Here's How It Works!

A line-up/focusing plate is used to align the unit under your 35mm copy-camera for the various groupings. 35mm film chips are placed in the Grouper mounting/aperture plate; original images must be either pin-registered or VR-registered. The camera's film advance is then disengaged to allow for multiple-exposures. Light traps are located over each mounting plate aperture and room lights switched off.

The light trap over aperture A1 is removed, the first exposure completed, and the light trap returned. The mounting plate is then moved to the next position for aperture A2 and the sequence repeated for exposure 2 and so on. By moving the mounting plate in precise predetermined increments, the distance between the separate frames is compressed, leaving only a thin black line between images.

The final composite transparency is mounted in a Wess 35mm 002 aperture slide mount. When composite negatives are being produced for printing purposes, Wess 35mm Full-frame aperture 500 or 510 mounts may be utilized.

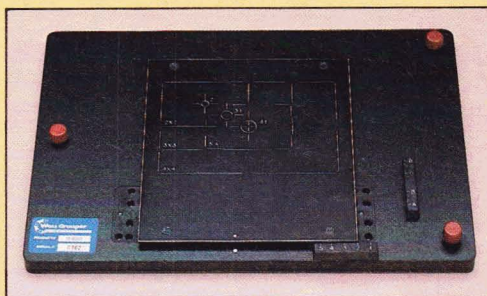
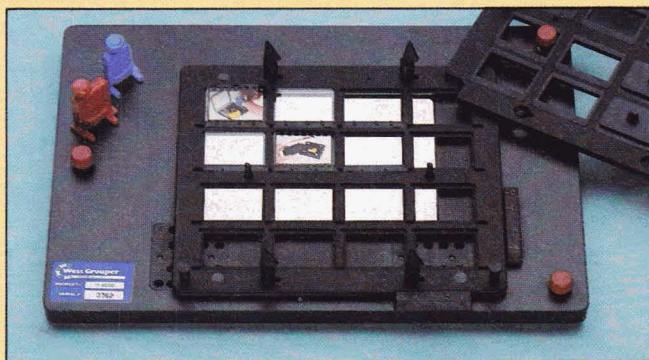


The Grouper comes complete with aperture covers, both peg and VR film mounters, line-up focusing plate, and instruction booklet.

The Grouper features anti-Newton Ring Glass

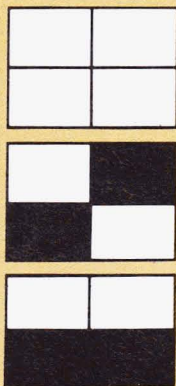
Uses / Features:

- Provides a means to reduce and combine several full 35mm images.
- No compound table or calculations required.
- Provides a variety of formats.
- Eliminates time consuming pasteups and other intermediate steps.
- Accepts pin-registered or Wess VR-registered 35mm images.

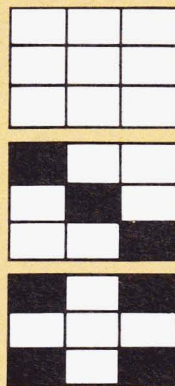


A line-up focusing plate takes the "guess" out of your work!

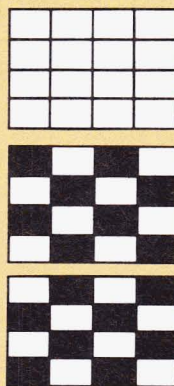
2 x 2 Format



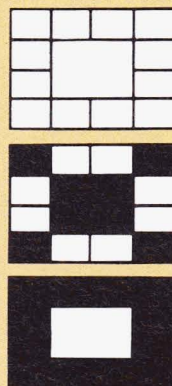
3 x 3 Format



4 x 4 Format



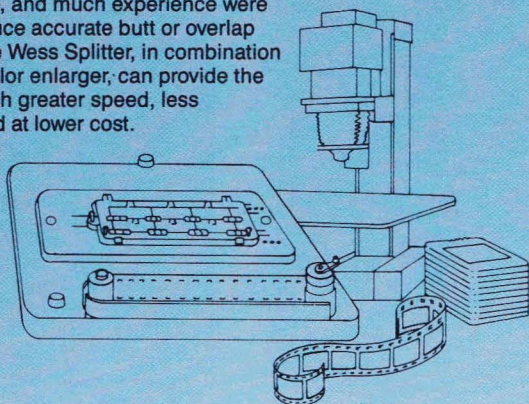
12 Around 1 Format



The Wess Splitter SE 6000/SE 6003/SE 6005/SE 6006

For Producing Precise Multi-projector Panoramas

Until now, a pin-registered camera, copystand, compound table, and much experience were needed to produce accurate butt or overlap panoramas. The Wess Splitter, in combination with a simple color enlarger, can provide the same results with greater speed, less aggravation, and at lower cost.



The Wess Splitter is available in four versions:

The SE 6000 produces 50+% butt-joined and overlapping formats. The extra overlap is used to compensate for projection lens (barrel, pincushion, keystone) distortions; particularly noticeable in butt-joined panoramas. Requires special alignment slides which can be produced with the Splitter. The SE 6000 is used with Wess 35mm 002 aperture SP peg slide mounts.

The SE 6003 is the version to use if you require an exact 50% overlap, or are trying to match panoramas made with a compound table, such as the Wess Director. You have a choice of butt-joined or 50% overlapping formats. Used with Wess 35mm 002 aperture SP peg slide mounts.

The SE 6005 yields butt-joined or 25% overlapping formats. It is used with Wess 35mm 002 aperture SP peg slide mounts.

The SE 6006 is similar to the SE 6003 but is used with Wess 35mm 001 (AMI/ANSI) aperture SP peg slide mounts.

Optional positioning plates are available to convert a Wess Splitter to the alternate versions. The Splitter measures 9.25 x 13.50" (23.5 x 34.3cm).

Note: We recommend the Wess FTU IR - TT2001 for trimming finished panorama "splits".

A. Base - holds Splitter in position under color enlarger with skid-proof pad.

B. Lifter Knobs - raises base off skid-proof pad to allow movement.

C. Positioning Plate - features precision machined tapered holes which locate exposure plate.

D. Exposure Plate - travels with duplicating film to each exposure position. A tapered locating pin falls into holes in the positioning plate to govern movement for butt or overlapping panoramas.

E. Index Nubs - are used to confirm the position of the exposure plate.

F. Cartridge Track - determines the length of film to be unrolled for exposure.

G. Winder - winds exposed film into cartridge and prevents inadvertent backwinding between splits.

H. Exposure Plate Lid - opens all covers at once to allow placement of unexposed film.

I. Cover - six light-proof covers can be opened separately to expose each segment of the split; raised indicator dots allow checking of cover number in dark.

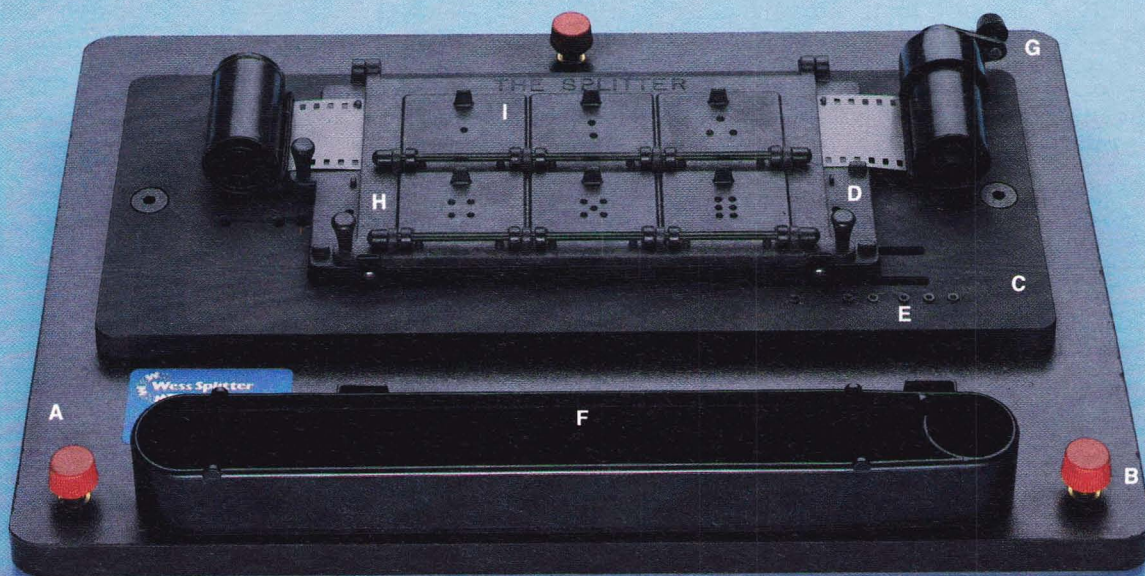
J. Format/Focusing Plate - Used to select where panorama will be split - manufactured to thickness of film for accurate focusing.

K. Soft-Edge Masters - used to superimpose soft-edge mask directly on duplicating film.

L. Splitter Alignment Master - is a special slide which is split to the format being created, then used for aligning projectors.

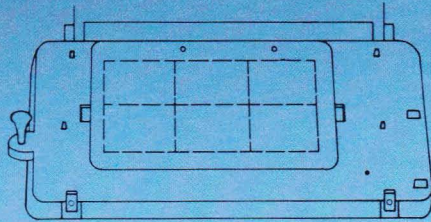
Uses / Features:

- Works with your enlarger; requires no camera.
- Produces perfectly registered panorama "splits" without calculations.
- Less costly than alternative systems.
- Produces 2 or 3 screen overlapping formats, and 2, 3, 4, or 6 screen butt panoramas.

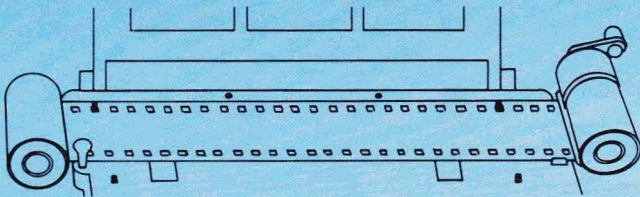


Here's How It Works:

1. Place the Splitter on the color enlarger baseboard. Insert your transparency into the color head; the maximum size of the original image depends upon the enlarger used.



2. Project the slide onto the Format Focusing Plate (J). By moving the Splitter and changing the magnification you can select the image and panorama format. Raising the Lifter Knobs (B) will lower the unit onto its nonskid base. After focusing, remove the format focusing plate.

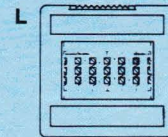
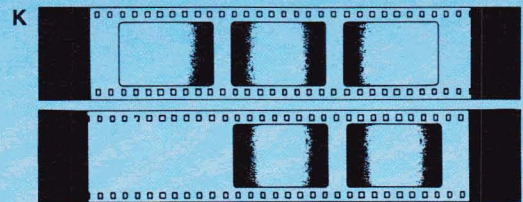


3. In total darkness, use the Cartridge Track (F) to unwind the proper length of unexposed duplicating film from the feed cartridge. Transfer the film to the registration pegs and close the Exposure Plate Lid (H).

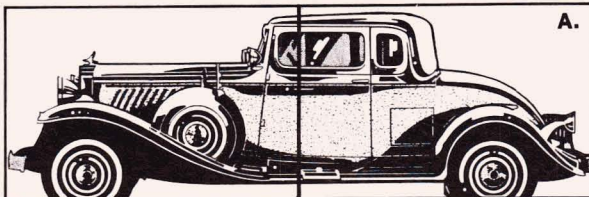
4. Open Cover (I) and expose frame 1; close cover. Lift and shift the Exposure Plate (D) to the next appropriate stop on the Positioning Plate (C); Index Nubs (E) help confirm the location. Repeat these steps until all exposures are completed.

5. Open the exposure plate lid and remove the film. Using the Winder (G) wind the film into the take-up cartridge.

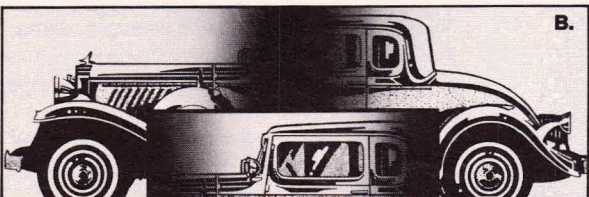
After the duplicating film is processed, the transparencies should be mounted in Wess 35mm SP peg slide mounts. When producing soft-edge (overlapping) panoramas, Wess Soft-Edge Masks MSA 053 and MSA 054 can be sandwiched in the mount to complete the image blending. As an alternative, Soft-Edge Masters (K) can be placed over the unexposed film in step 3; the mask will then be superimposed directly on the film.



2-Screen Butt Panorama



2-Screen 50% Center Overlap Panorama



What is a Panorama?

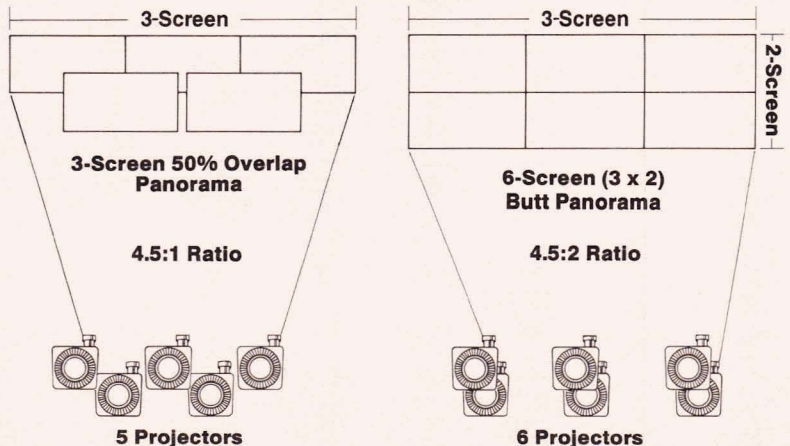
A panorama is a single image having a larger than normal (3:2, in most cases) aspect ratio. To achieve brighter illumination on a large screen, the image may be divided into several segments (slides), each requiring a separate projector. The segments are precisely "reassembled" on the screen to form the complete image.

What is a Screen?

When speaking of panoramas, "screen" generally refers to the area used when projecting a normal aspect ratio slide. A 2-screen, butt panorama (A), would require two image segments joined at their edges. Sometimes a center projector is used to blend two segments together (example B), creating a 2-screen, 50% overlap panorama. In these cases, soft-edge masks are utilized.

Note: You will need double the number of projectors for most "dissolve" sequences.

Some Panorama formats are:



3 Projectors

5 Projectors

6 Projectors

**The Wess Director
SE 9000**

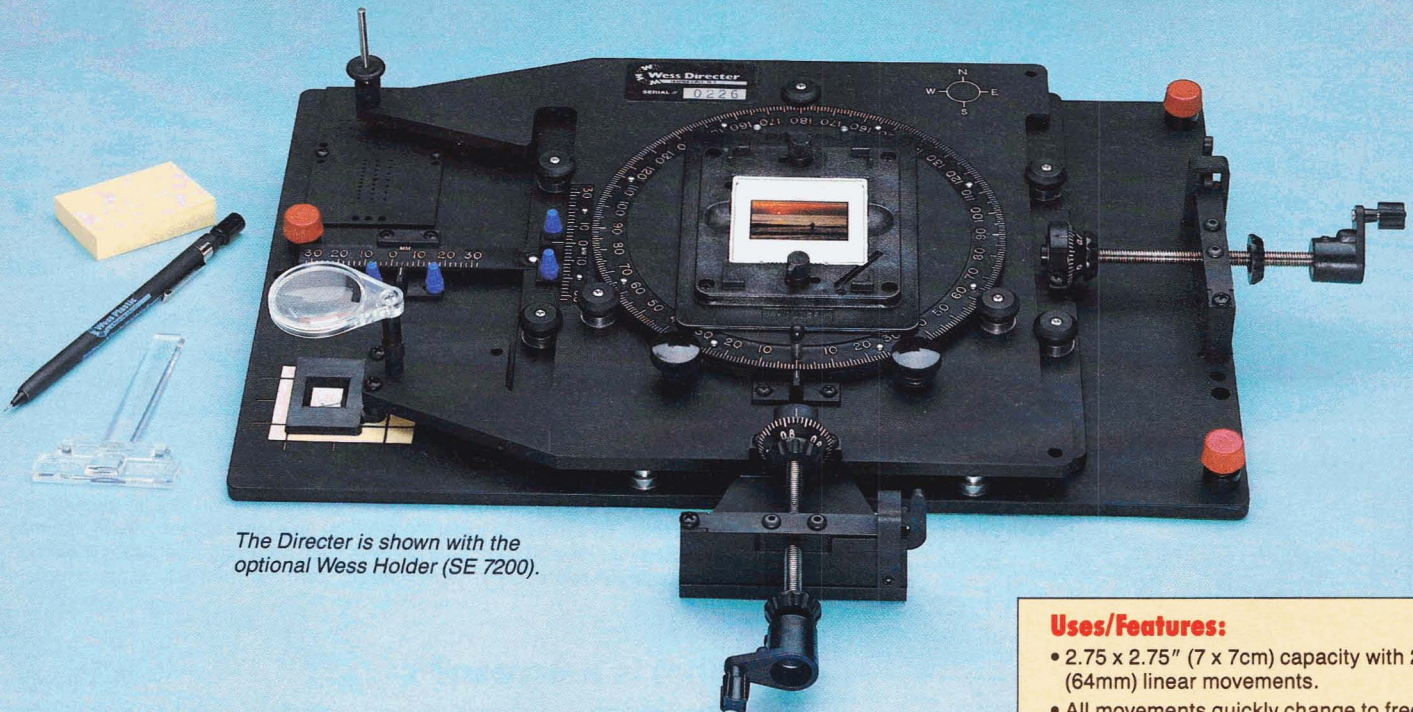
For Creating Optical Effects Requiring Movement

The Wess Director is a compound table with X-Y and rotational movements. It is used with a light source and copy camera to produce a variety of optical effects through stepped or continuous copy-stage motion. The Director is supplied with two pieces of glass to hold the original image flat. Film chips up to 2.75" (7 x 7cm) square will be accepted; 7 x 7cm medium format slide mounts fit directly into the unit. In addition, the Director has been designed with mounting holes for the Wess Holder, Composer, or Filter Drawer.

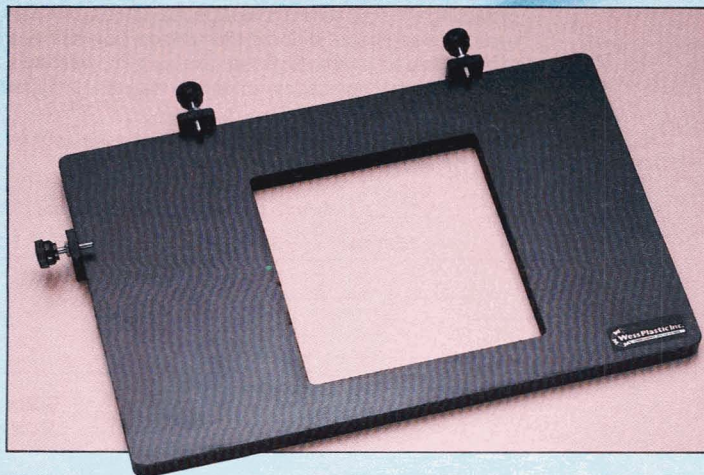
The Director's North-South and East-West movements have a 2.5" (64mm) range and can be set to 0.02mm using the backlash-free lead screws. Dial scales can be reset to "0" at any position and adjustable stops are provided to limit linear movements. Circular motion is accomplished with

the rotating stage knob and is calibrated in 1 degree increments; it is accurately reset to "0" with a locking pin. All moving stages ride on ball bearings and may be set to the free-float mode for additional creativity. The Director is also equipped with a standard movement guide and plotting stylus for quickly dividing a 35mm image into evenly split segments, and a cross-hair allows the user to follow customized movements pre-drawn on a plotting pad.

The Wess Director measures approximately 9 x 14" (23 x 36cm) and sits on a non-skid pad. Three lifter knobs raise the unit off the pad for quick alignment under your camera. An optional Director Alignment Deck (SE 9020) is available for extra fine alignment. A 2.25 x 2.25" (6 x 6cm) or larger light source is recommended when working with a 35mm camera and originals at 1:1 reproduction ratios. A 3.0 x 3.0" (7.62 x 7.62cm) or larger light source is suggested when copying 6 x 6cm originals at 1:1 with a 6 x 6cm format camera. Also available as accessories are the Wess Alignment Deck, the Wess Holder, the Wess Composer, and the Wess Filter Drawer.



The Director is shown with the optional Wess Holder (SE 7200).



**Director Alignment Deck
SE 9020**

The Alignment Deck is placed between the light source and the Wess Director compound table. It allows the user to precisely position the Director with the optical center of the copy lens.

The Alignment Deck features three

adjustment knobs used to make slight but critical horizontal, vertical, and tilting movements. The Alignment Deck is 15.00" Wide and 10.00" Deep (38.1 x 25.4cm); its aperture is 6.26"W x 6.73"D (15.9 x 17.1cm).

Uses/Features:

- 2.75 x 2.75" (7 x 7cm) capacity with 2.5" (64mm) linear movements.
- All movements quickly change to free-float mode.
- Movement Guide has premeasured horizontal and vertical patterns.
- Plotting Viewer Stage with cross-hair.
- High accuracy allows sophisticated optical effects.
- North-South and East-West dial scales can be reset to "0" at any position.

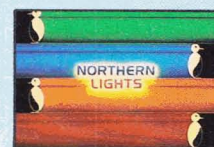
Director/Mini-Director Effects



"Zoom"
Step & Repeat



Diagonal
Step & Repeat



Horizontal Streak



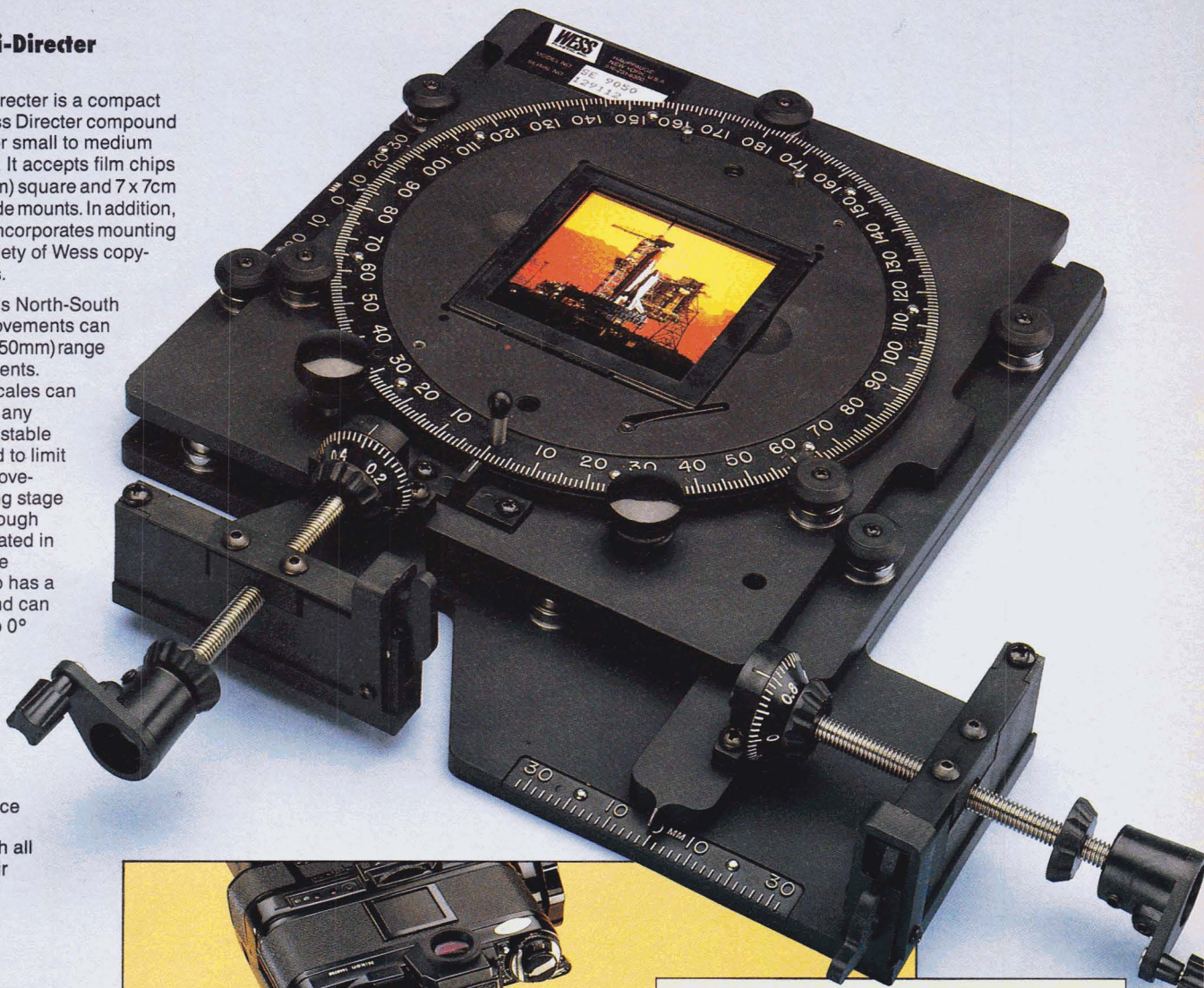
180° Spin

The Wess Mini-Directer SE 9050

The Wess Mini-Directer is a compact version of the Wess Directer compound table, designed for small to medium size light sources. It accepts film chips up to 2.75" (7 x 7cm) square and 7 x 7cm medium format slide mounts. In addition, the Mini-Directer incorporates mounting holes for a variety of Wess copy-stage accessories.

The Mini-Directer's North-South and East-West movements can be made over a 2" (50mm) range in 0.02mm increments. Micrometer dial scales can be reset to "0" at any position, and adjustable stops are provided to limit free-float linear movements. The rotating stage can be moved through 360° and is calibrated in 1° increments. The rotating stage also has a free-float mode and can be quickly reset to 0° with a locking pin.

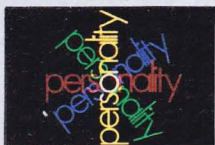
The Wess Mini-Directer base requires only a 7.25 x 7.5" (18.4 x 19.1cm) mounting surface. It uses a work space approximately 12" (30cm) square with all controls set at their "0" positions.



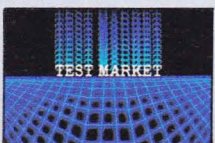
Uses/Features

- Compact size for small to medium size light sources.
- 2.75 x 2.75" (7 x 7cm) capacity with 2.0" (50mm) linear movements.
- All linear and rotational movements quickly change to free-float mode.
- North-South and East-West dial scales can be reset to "0" at any position.
- High accuracy allows sophisticated optical effects.

Shown is a typical slide duplication unit, upgraded with a Wess adapter, SE 9050 Mini-Directer, and SE 7300 Composer.



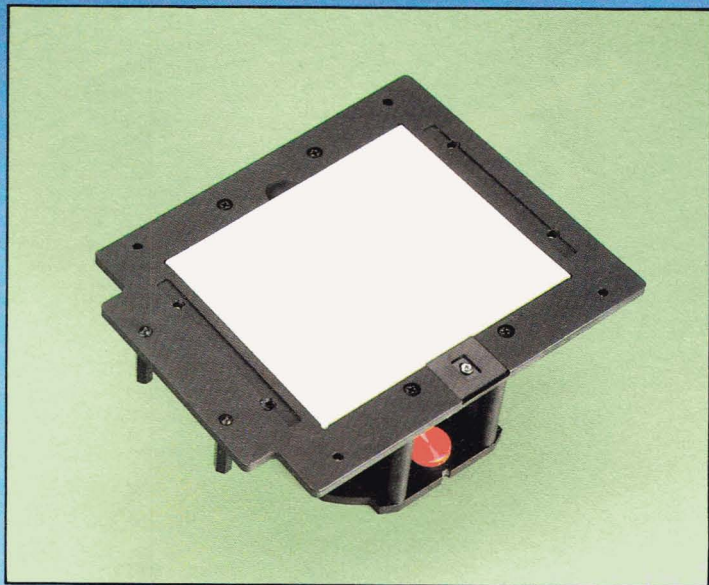
Rotating Step & Repeat



Vertical Step & Repeat

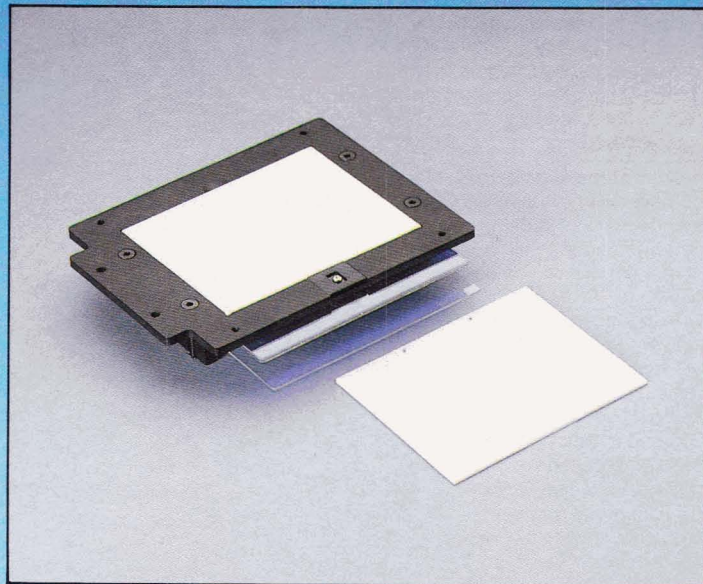
Accessories for the Wess Director* and Mini-Director

*from serial #278 ; earlier units can be modified by Wess.



The 4 x 5" (10 x 12cm) Light Expansion Box SE 9030

The SE 9030 attaches directly to the top stage of Wess compound tables and SE 7500, SE 7510, and SE 7515 adapters. It expands the light source to 4 x 5" (10 x 12cm) for use with large format images. The SE 9030 may be used to support the SE 4500 VR Pin-Printer.



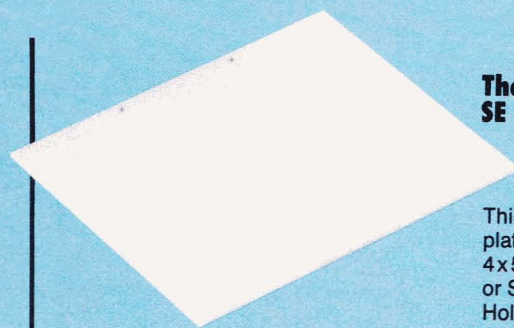
The 150mm Filter Holder SE 7615

The SE 7615 Filter Holder fits on top of the SE 9030 Light Expansion Box. It allows the user to insert 6x6" (150x150mm) filters or masks into the light path. It is supplied with two clear plastic filter carriers and flat diffusers. (Shown with optional WVR Pin-Plate, SE 9055).



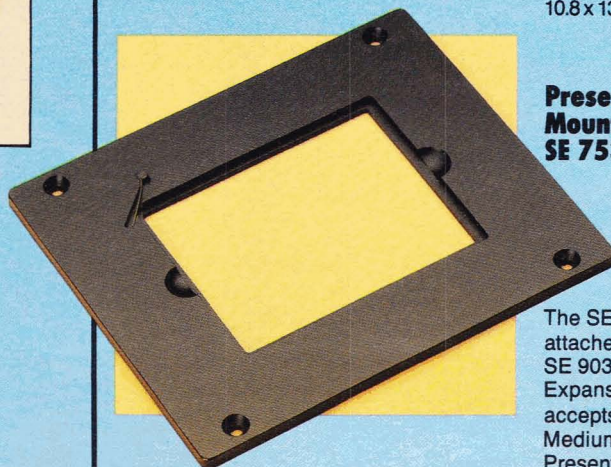
The 75mm Filter Holder SE 7610

The SE 7610 Filter Holder attaches directly to the top stage of the Wess Director and Mini-Director compound tables or the SE 7500, SE 7510, or SE 7515 adapters. It allows the user to insert 3 x 3" (75 x 75mm) filters or masks into the light path. The 75mm Filter Holder is supplied with two clear plastic filter carriers and two diffusers.



The WVR Pin-Plate SE 9055

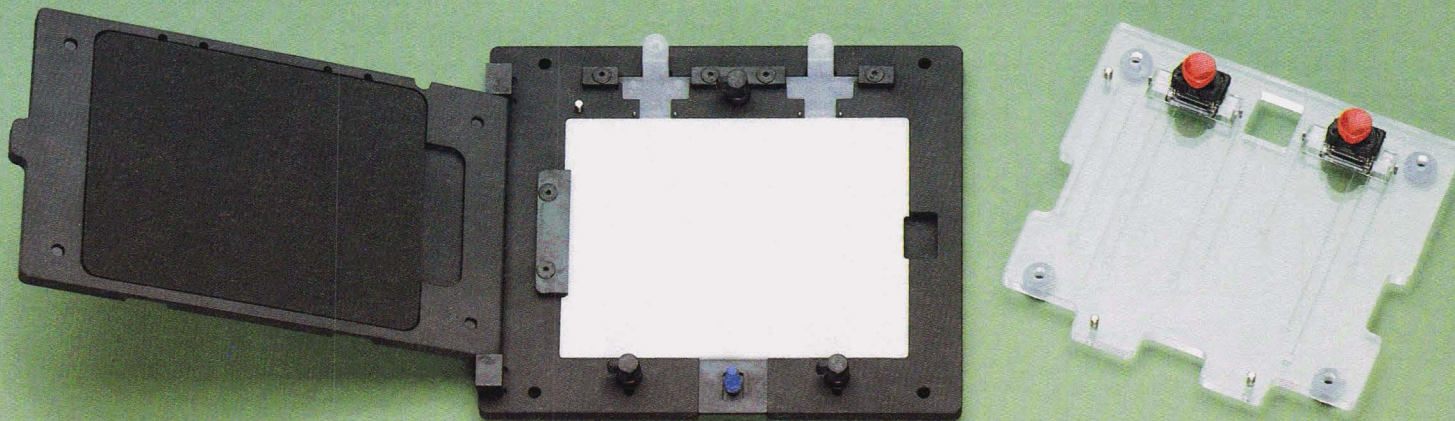
This is an optional diffuser plate which fits the SE 9030 4x5" Light Expansion Box or SE 7615 150mm Filter Holder. The SE 9055 has two wide-based VR pins which are used for reregistering 6 x 7cm to 4 x 5" size images punched with the TR 2050 MultiFormat VR Punch. It measures 10.8 x 13.3cm (4.23 x 5.23").



Presentation Mount Holder SE 7530

The SE 7530 can be attached to the top of the SE 9030 4" x 5" Expansion Box. It accepts Wess 10.5 x 8.5cm Medium Format Presentation Mounts.

The Wess VR Pin-Printer SE 4500 Pin-registered Contact Printing System

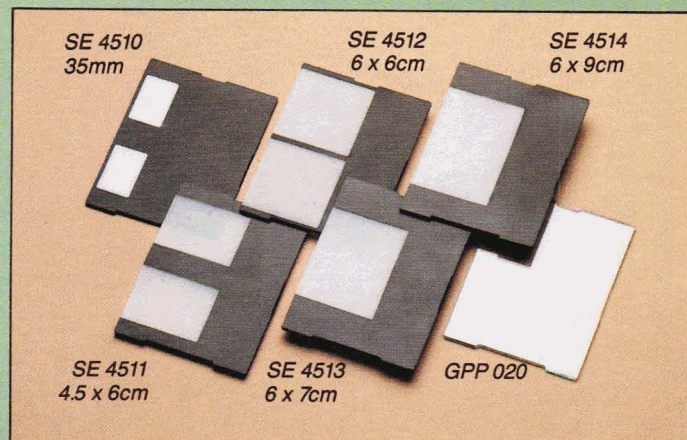


The Wess VR Pin-Printer is a pin-registration system for making soft-edge photographic masks on 4 x 5" (10.2 x 12.7cm) film. Optional accessories allow it to be used for normal (sharp-edged) contact printing, as a pin-registered copy stage, or an enlarger film easel.

The VR Pin-Printer includes a Contact Printing Frame equipped with two sets of Wess VR (Variable Registration) pins. A VR Multifformat Punch, usable for original image formats of 35mm to 4 x 5" (9 x 12cm), completes the system. Both these components are designed for use in total darkness, making it practical to print onto panchromatic B&W and color films.

The Wess VR Pin-Printer is suitable for creating in-register contrast control masks. These masks are used to improve shadow detail when enlarging or duplicating onto high-contrast print and film materials. Other applications are the production of high-contrast "drop-out" masks for special effects purposes, and making contact duplicates or internegatives.

The VR Pin-Printer is pin-compatible with the full range of Wess VR products. Therefore Wess VR slide mounts and the Wess Holder may be utilized to align registered images for printing or duplicating. Sample 35mm and medium format VR slide mounts are included with the system.



Optional Format Masking Plates help eliminate stray light and soften the mask's image. 35mm, 6 x 4.5cm, and 6 x 6cm sizes allow more than one mask to be printed on a single sheet of film. For sharp-edged contact printing use the optional GPP 020 Glass Contact Printing Plate.

Contrast Masking



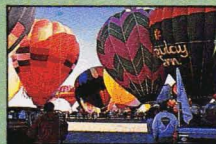
Original Slide



Copy made without Mask



Contrast Control Mask



Copy made with Mask

Sample Photos by Joe Drivas

Uses/Features

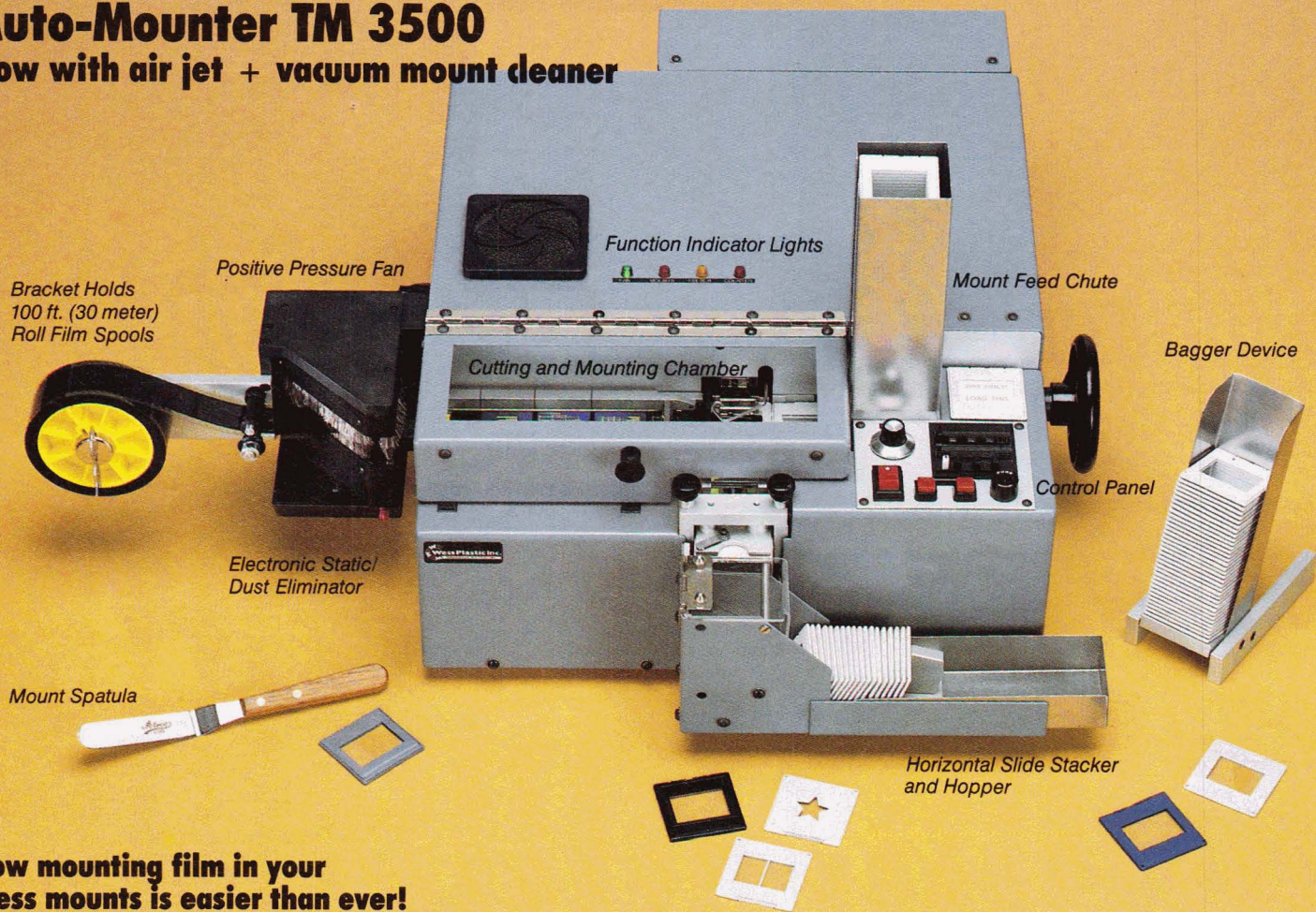
- For pin-registered contact printing.
- Includes contact frame and registration punch.
- Uses 4 x 5" (9 x 12cm) copy films.
- Accepts original image formats from 35mm to 4 x 5" .
- Compatible with other Wess VR products.



Optional SE 4526 Top Pressure Frame and SE 4525 Black Bottom Plate convert the VR Pin-Printer to a pin-registered copy stage or an enlarger easel.

SLIDE MOUNTING UNITS

Auto-Mounter TM 3500 now with air jet + vacuum mount cleaner



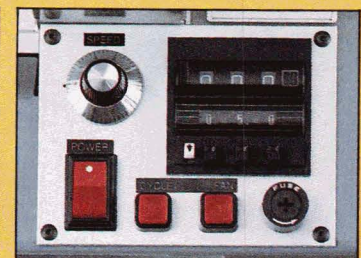
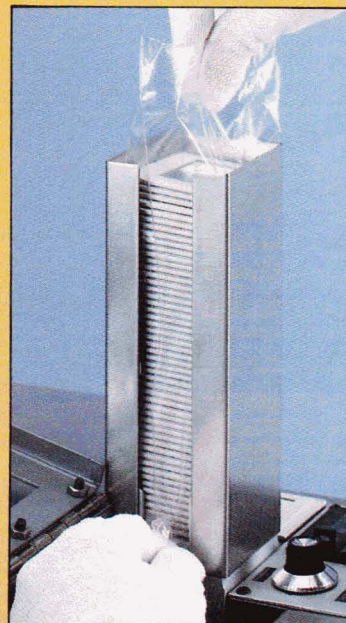
Now mounting film in your Wess mounts is easier than ever!

The Auto-mounter is a fully automatic 35mm slide trimmer and mounter, designed specifically for the audio-visual and presentation graphics markets. It will use any Wess 2 x 2" (5x5cm), 3mm thick Peg (registered) slide mount; this includes all AAA or AAC glass and AAX glassless types in Standard, Full-frame, and Special-FX apertures. The Auto-mounter accepts both short and long (100 ft. 30m) lengths of film; mounting speed is continuously variable, with a maximum output of 40 mounts/min. To maximize production, Wess has introduced pre-cleaned, specially packaged, "Auto-pak" slide mounts.

The Auto-mounter gives you the choice of leaving slide mounts open for the manual addition of a second film chip. We've also incorporated an exclusive "double-run" feature; you can reinsert batches of slides and automatically sandwich a pin-registered image or mask! Included is a 50-capacity horizontal stacker for finished slides.

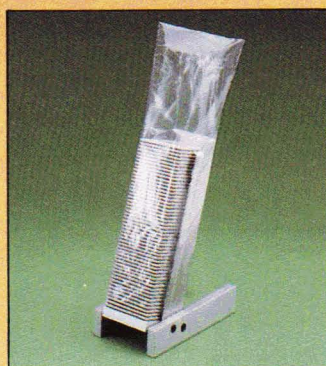
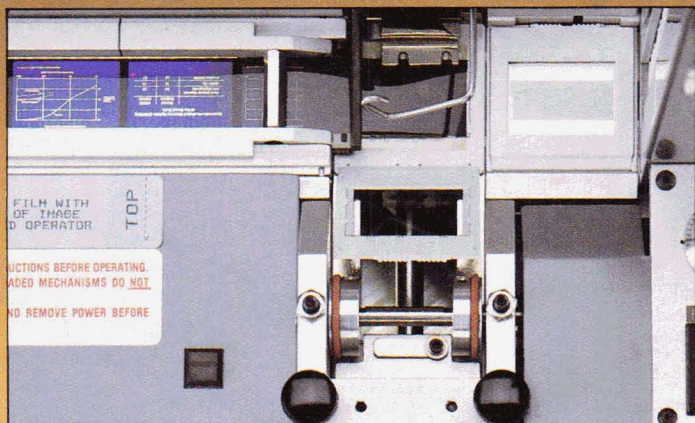
The Wess Auto-mounter is electrically operated; basic installation can be accomplished in a matter of minutes. The unit is supplied complete with a film cleaning/static eliminator brush; an air jet and vacuum helps keep mounts clean during the mounting operation. Rugged, functional construction insures years of trouble-free performance. The best feature is that the Auto-mounter is priced far less than comparable units.

(continued on next page)



▲ Shown here on the control panel is the on/off switch, cycling button, positive-pressure fan switch, variable speed control, automatic counter, and fuse holder. A foot-switch is also included.

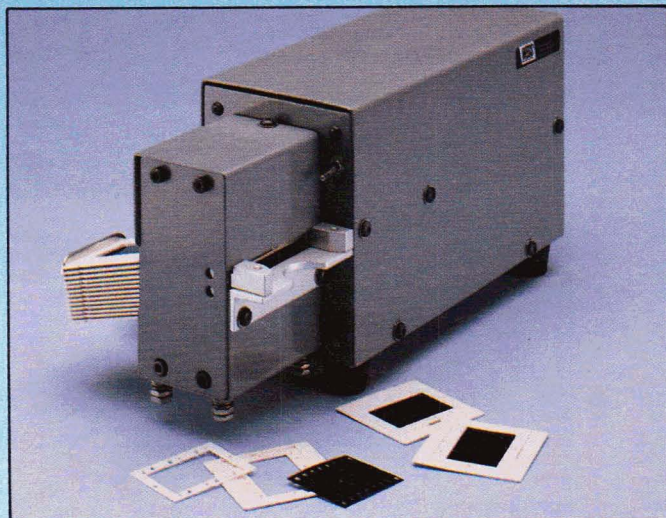
◀ Optional Wess Auto-paks slip directly into the feed chute, allowing quick insertion of pre-cleaned slide mounts. The TM 3500 will automatically switch to standby when mounts are depleted.



▲ The cutting and mounting chamber is kept dust free by positive air pressure. An air jet and dust vacuum helps keep mounts clean during the mounting operation. Slides can be reinserted to automatically mount a second image or mask.

▲ A bagger device is included for packaging finished slides. Fifty-mount capacity bags and boxes are available from Wess.

... And the best feature of the Auto-Mounter is that it uses professionally-proven Wess Slide Mounts.



The TM 3015 Slide Mounting Unit

The TM 3015 is a motorized slide mounting unit designed for use with Wess AAY pin-registered, press-fit mounts. The TM 3015 permanently seals the film in an assembled mount by flattening the expansion studs in the mount's base. Finished slides are transported by the pressure rollers to a small collection hopper. The TM 3015 occupies less than 12 x 6" (30 x 15cm) counter space. Power requirements are 110V-120V AC. (A step-down transformer is necessary for 220V operation.) The TM 3015 will successfully close other manufacturer's thin 2 x 2 press-fit mounts.

Wess TM 3500 Auto-Mounter (Cont.)

Description: Automatic cutter and mounter for 35mm (24 x 36mm, 1) pin-registered images.

Dimensions: 20"W x 23.5"D x 8"H (50.8cm x 59.7cm x 20.4cm)

Weight: Approximately 60 lbs. (27.2 kg.)

Mount Requirements: Any Wess 2 x 2in. (5 x 5cm) 3mm thick *Peg* slide mount; including AAA and AAC glass and AAX glassless mounts in Standard, Full-frame, and Special-FX apertures.

Speed: Continuously variable, up to 40 cycles/min.

Film Capacity: Accepts 35mm (24 x 36mm) registered images in short or long lengths. Film bracket holds 100' (30m) spools.

Mount Capacity: Feed chute holds 70 closed Wess mounts (pre-cleaned Auto-paks packs are available). Horizontal stacker holds 50 slides in removable hopper. Bagger device is included for packaging and boxing finished slides.

Installation Requirements: 110-120V 2A 50/60Hz. (Step-down transformer required for 220V operation.) An oil-free air or nitrogen supply, at approximately 20 lbs. pressure, is needed for the mount cleaning system. Requires low pressure vacuum (from an industrial vacuum cleaner, etc.) for dust/particle collection. Unit has 0.25" fitting for the air/nitrogen supply, and a 1.25" fitting for the vacuum hose.

Additional Features: Film cleaning/static elimination brush at film feed. Positive air pressure, air jet, and vacuum in cutting/mounting chamber help reduce dust/particle problems. Indicator lamp shows that pressure fan is operating.

Automatic shut-off if mount supply is exhausted or misfeed occurs. Indicator lamps for both conditions.

Foot or hand controlled. Foot-switch included.

Unit can be pre-set for number of cycles. Indicator lamp shows when batch is finished.

Double-run capability; mounts can be reinserted to mount a second registered image or mask.

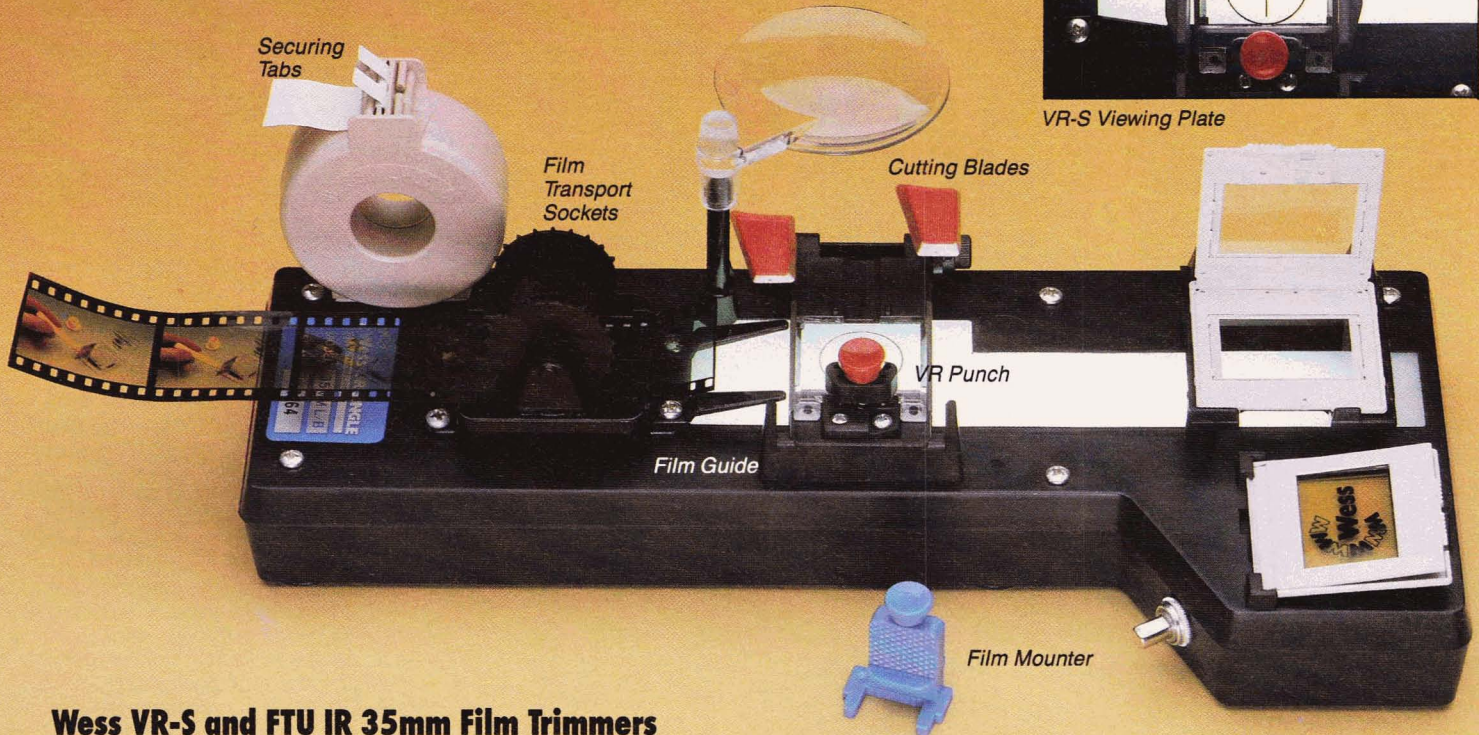
Locking override; mounts can be left open for later manual addition of masks.

Roll film holder (spool not included).

Includes mount spatula; helps to remove unused mounts from feed chute.

Specifications subject to change without notice.

FILM TRIMMING & REGISTRATION DEVICES



Wess VR-S and FTU IR 35mm Film Trimmers TT 2032 and TT 2001

For Short Film Strips and Single Frames

Wess offers two simple 35mm film trimmers for those working with film strips and single frames. Both units are similar in that they feature two hardened steel cutting blades, sprocketed film advance wheel, mount support, Wess mount opener, magnifier, and illuminated viewing/cutting block.

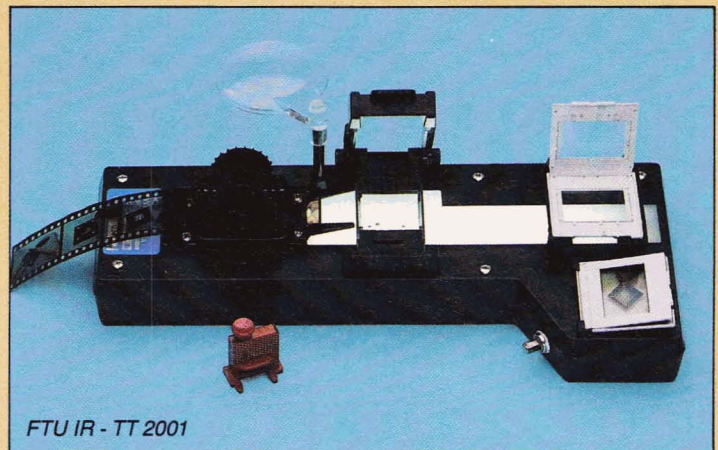
The Wess VR-S - TT 2032

For Trimming and VR Registering 35mm Images

The VR-S is designed for trimming all 35mm films. The user aligns the image over an illuminated viewing window and the built-in VR punch is used to hold the film in position while trimming. When Wess VR slide mounts are being used, it is possible to preview the actual position of image in the mount's aperture and punch the film accordingly. The VR system also makes it easy to superimpose and register two images for dissolves or sandwiches. A (blue) QM 3005 Film Mounter is provided for seating the film onto the mount's VR pins. QM 9010 adhesive tabs are included for securing film when superimposing. Please use product number TT 2032 E when ordering for 220V operation.

Uses/Features:

- Two hardened steel cutting blades will cut polyester base film.
- Illuminated viewing and cutting area (available for 110V or 220V).
- Sprocketed Film Advance Wheel.
- Built-in Wess mount opener.
- Swing-away Magnifier.
- VR Punch (TT 2032 only).



The Wess FTU IR - TT 2001

For Trimming Registered Images

The FTU-IR is designed only for trimming pin-registered images. The user centers the frame over an illuminated viewing window and film perforations are placed on two registration pegs. The double-bladed knife is used to trim both sides of the image simultaneously. The film chip is then transferred to a Wess Peg mount with the supplied (red) QM 3000 Film Mounter. Please use product number TT 2001 E when ordering for 220V operation.

Note: The FTU IR is recommended for trimming images produced with the Wess Splitter.

Wess VR-FTU and FTU III Film Trimmers TT 2030, TT 2012 and TT 2013

For Cutting Long Rolls and Film Strips

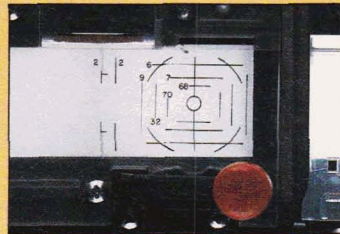
The Wess VR-FTU and FTU III Film Trimmers are designed for quickly trimming and mounting long lengths of roll film as well as film strips. These units are very similar in appearance and share common features. A preset single-frame film advance mechanism helps align the film under the hardened steel cutting blade; a 1/3 turn of the advance knob moves the film exactly 1 frame length (8 perforations). In order that the trimmer correctly feeds the last frame, film must have a 3" (75mm) trailer. Each unit is also equipped with an illuminated viewing/cutting block, roll film bracket, mount support, Wess mount opener, swing-away magnifier, and film wiper (20 replacement pads available as TT 2015). The VR-FTU is available only for 35mm film, the FTU III for 35mm and 46mm film.

The Wess VR-FTU - TT 2030 For Trimming, VR Registering, and Mounting 35mm Images.

The VR-FTU is designed for trimming all perforated 35mm film; it is also employed to register

images for Wess VR slide mounts. To use, film is fed into the illuminated viewing area; the first image is centered between grid lines with the frame adjusting knob. After punching the film for VR mounts, it is advanced one frame past the cutting blade. The blue QM 3005 VR Film Mounter is placed over the frame before the film is cut and then used to transfer the film chip to the open slide mount. The punch and Film Mounter are not utilized when using General Purpose (GP) mounts.

The VR-FTU is also used to cut and mount pin-registered 35mm images. In this case no frame adjustment or punching is required. The red QM 3000 Film Mounter may be used to transfer the film chip to a Wess peg mount. To order the VR-FTU for 220V operation, use product number TT 2030 E.



VR-FTU Calibrated Aperture



Roll Film Bracket

Film Wiper

Film Mounter

Film Mounter

The Film Mounter allows you to pick up and transfer the image into a Wess Peg or VR slide mount without touching the film.

VR FTU - TT 2030

The Wess FTU III - TT 2012 (35mm) & TT 2013 (46mm) For Trimming and Mounting Registered Film

The FTU III operates in the same fashion as the VR-FTU; however it is not equipped with a VR punch and is used only for pin-registered images. The TT 2012 35mm version is supplied with a red QM 3000 35mm Film Mounter. The TT 2013 46mm Trimmer is supplied with a red QM 3001 46mm Film Mounter. To order the FTU III for 220V operation, use product number TT 2012 E (35mm) or TT 2013 E (46mm).

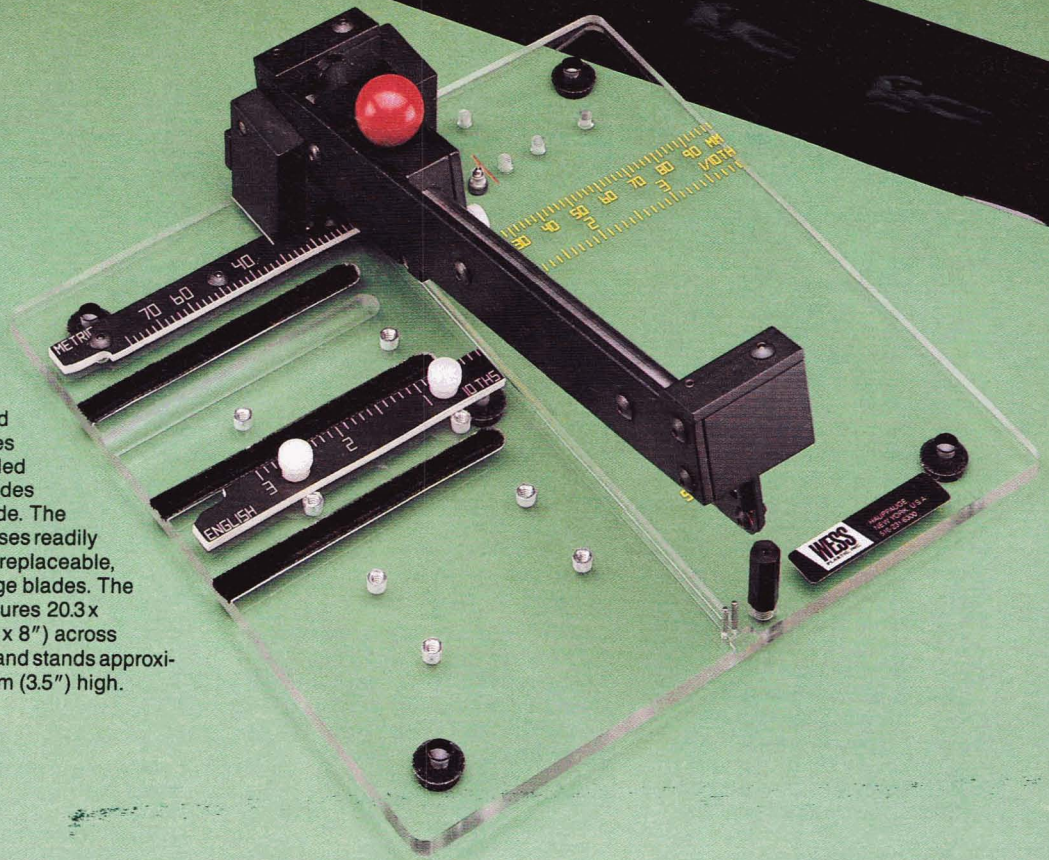
- Uses/Features:**
- Hardened steel cutting blade will cut polyester base film.
 - Illuminated viewing and cutting area (available for 110V or 220V).
 - Preset, positive stop, single-frame film advance mechanism.
 - Built-in Wess mount opener.
 - Swing-away Magnifier.
 - Bracket to accommodate 400' (120m) of roll film.
 - Film Mounter (included) quickly transfers cut film to appropriate slide mount.
 - VR Punch included with TT 2030.

FTU III - TT 2012

The Wess MultiFormat Film Trimmer TT 2045

The Wess TT 2045 is a manually operated film trimmer which may be used for cutting a variety of popular film formats. The trimmer is equipped with a movable film guide with fixed settings for 35mm, 70mm, #120/220, or 4 x 5" films. A removable indexing pin may be used to quickly position pin-registered 35mm or 70mm images under the cutting blade. This feature is particularly useful when image density makes it difficult to see frame lines. The trimmer's base is made of clear plastic for use over a lightbox. To facilitate

trimming, metric and inch scales are provided on both sides of the blade. The TT 2045 uses readily available, replaceable, single-edge blades. The unit measures 20.3 x 20.3cm (8 x 8") across the base, and stands approximately 9cm (3.5") high.



The Wess VR Brightbox TR 2160

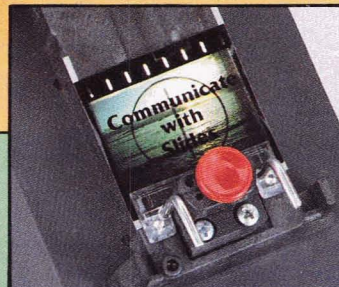
The VR Brightbox is a viewing system used for superimposing and registering 35mm transparencies, masks, etc. It is particularly suitable for aligning and registering images for animation sequences, composites, litho masking, or 3-Dimensional presentations.

The TR 2160 incorporates a fan cooled high-intensity halogen lamp for viewing through dense transparencies. A lamp dimmer reduces the illumination for "thin" images. The unit is also equipped with a special Variable Registration (VR) punch, permitting film to be aligned 0.02" (0.5mm) vertically. Horizontal alignment, as with other VR punches, is possible along the full length of the 35mm frame. A twin-blade film trimmer is built-in and may be used to cut individual 35mm frames from film strips.

The VR Brightbox can sit flat on a copystand to allow viewing through a camera; detachable legs tilt it towards the viewer. The trimmer can be removed, allowing the Wess SE 7200 Holder or SE 7300 Composer to mount directly onto the unit. The VR punch is fully compatible with Wess 35mm VR slide mounts. The TR 2160 requires 110V AC power. The VR Brightbox may be used with the QE 0220 Step-down Transformer for 220V sources.

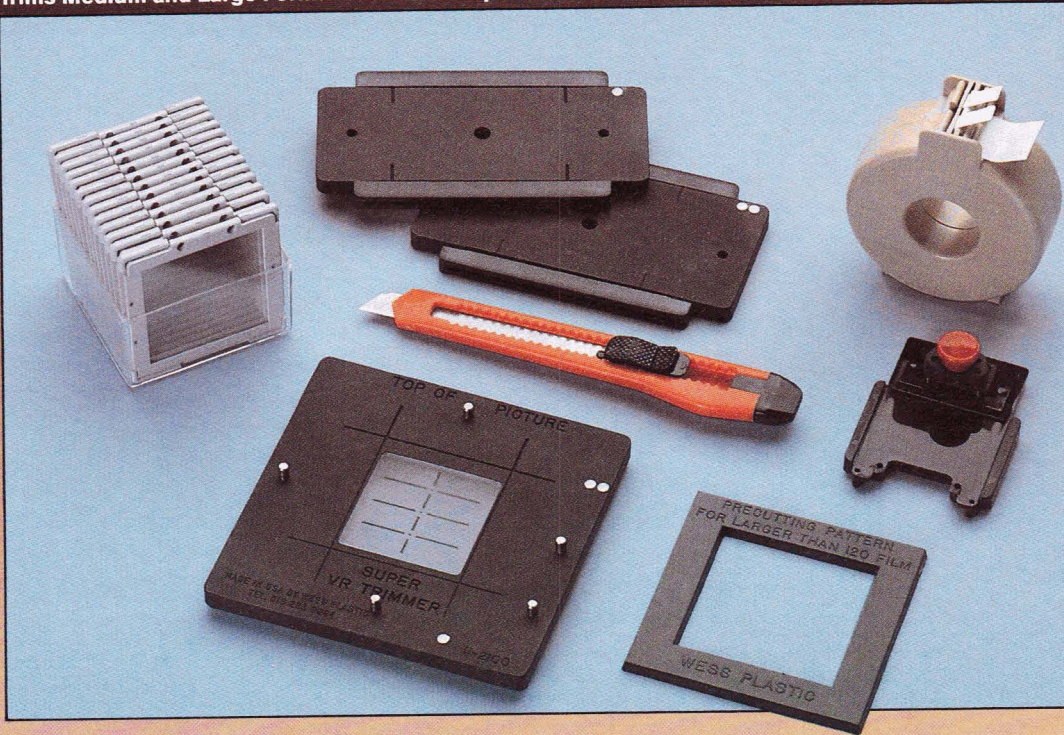


Adjustable stops allow images to be aligned 0.5mm vertically.



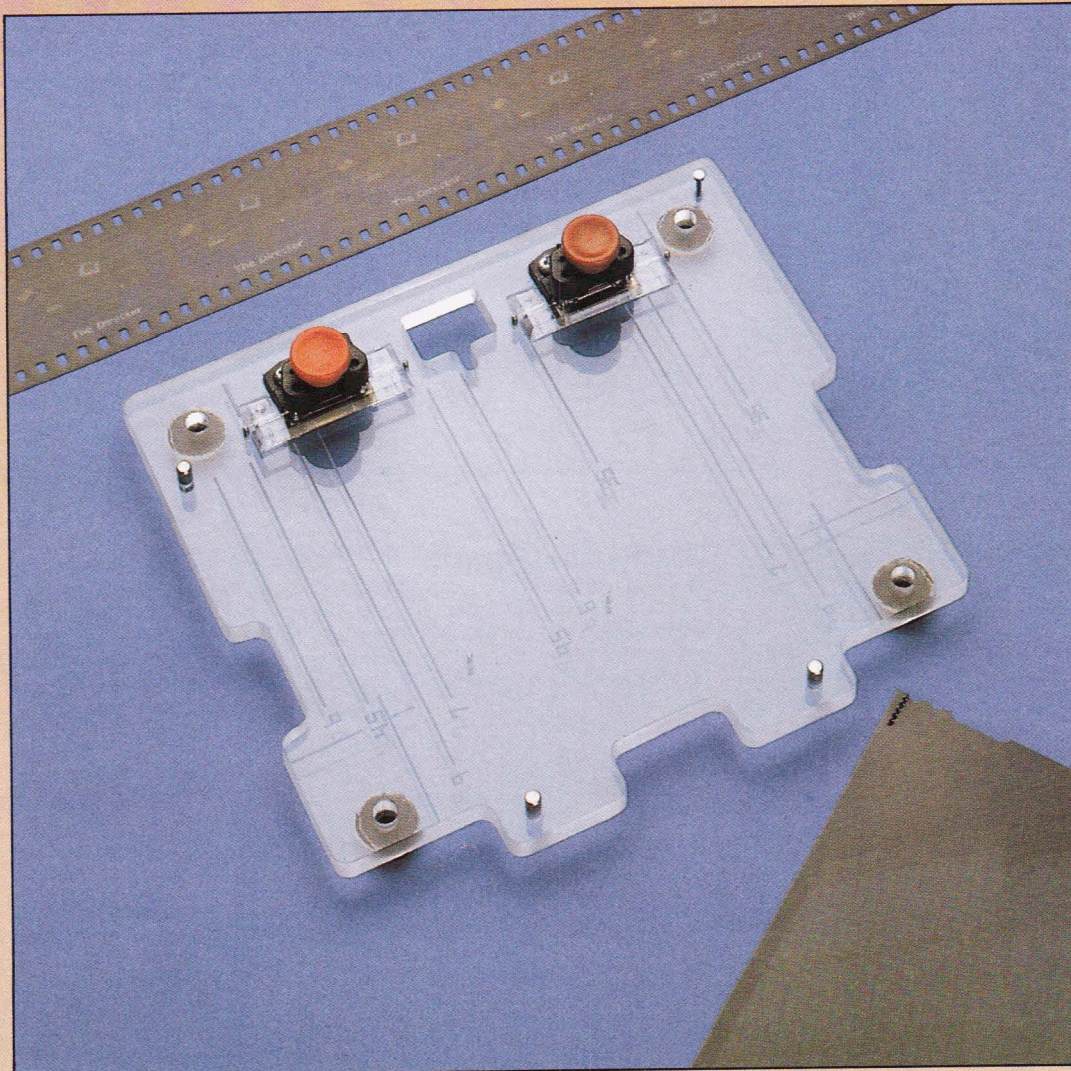
The Wess Super VR System TR 2135

Trims Medium and Large Format Film to Fit Super-slides



The Super VR System is designed for those wishing to trim images from 120/220 or larger size films to fit 35mm type slide projectors. The complete system includes the TR 2100 Super VR Trimmer, TR 2150 Super VR Punch, QG 5010 Art Knife, QM 9010 Securing Tabs, RP 4010 Precutting Pattern, and a small box of Wess CVA 001 Super-slide mounts.

The Super VR Trimmer allows the user to view and adjust the transparency on a light box until satisfactory cropping is achieved. After the film is secured with the tabs, trimming is done by moving the knife blade within slots in a cutting guide. The final film chip measures approximately 39 x 45mm; the top side being longer from image to edge to allow for VR punch holes. The Super VR Punch accepts the film chip and creates the holes to accurately center the image in a Wess VR super-slide mount. For replacement slide mounts, see "Super-Slide Mount" section.



The MultiFormat VR Punch TR 2050

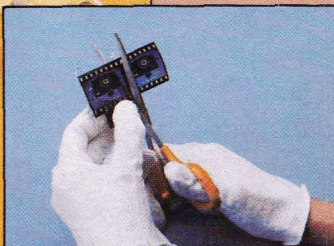
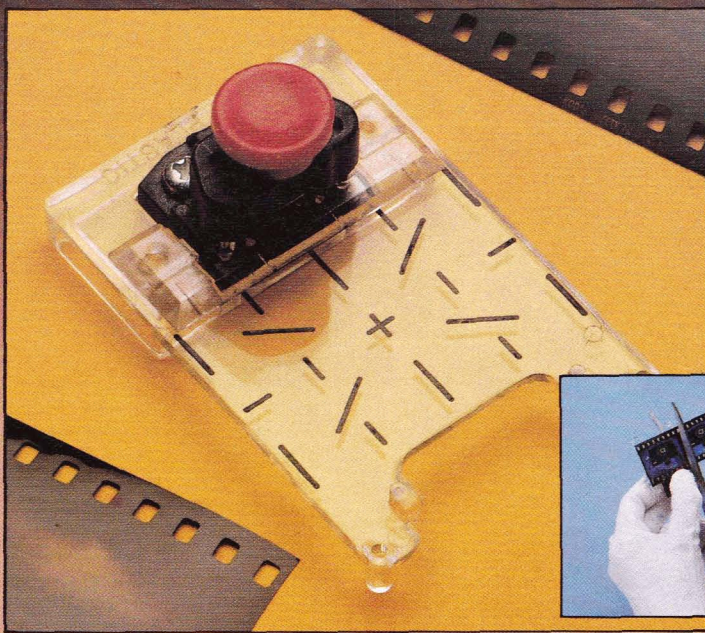
The TR 2050 may be used to VR pin-register film formats from 35mm to 4 x 5" (9 x 12cm). It is compatible with other Wess VR products, including 35mm and medium format mounts.

The clear base and guide lines allow you to visually center images which are 4.5cm, 6cm, 7cm, or 9cm long. The TR 2050 features a removable locating peg for 70mm film; this is used to accurately center 6 x 4.5cm, 6 x 6cm, and 6 x 7cm images in the punch. 4 x 5" films are physically centered on alignment pegs, permitting use in full darkness.

The 35mm VR Punch II - TR 2034

The TR 2034 features a hardened steel punch which creates two registration holes in the (non-image) edge of a 35mm frame. These holes match the mounting pins utilized by the Wess Variable Registration (VR) slide mounts, as well as the Wess Holder, Composer, and Grouper. The TR 2034 is used when aligning two superimposed images in a single 35mm VR slide mount, or when aligning several images to the 002 mount aperture for multi-image presentations.

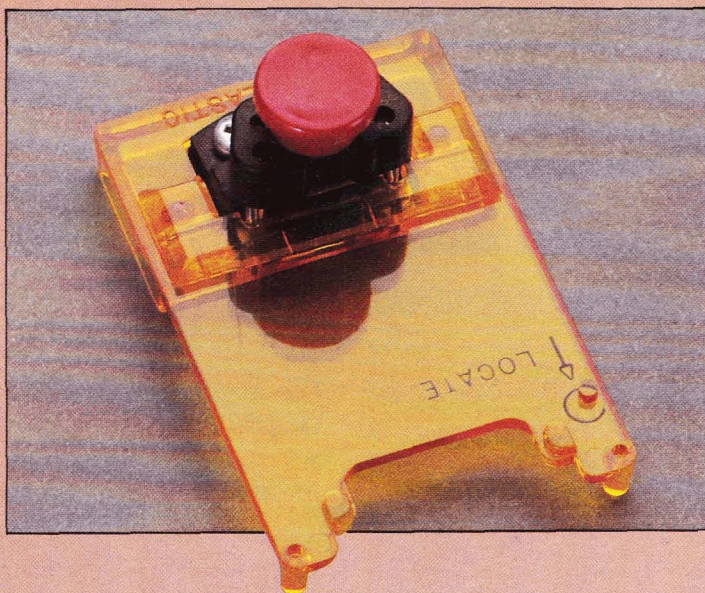
To help position the image, the punch's transparent base has an engraved grid pattern with lines indicating full, half, and quarter sections of the 002 mount aperture. The tapered edges of the punch may be used as a trimming guide when cutting 35mm film with scissors. Wess QM 9010 Adhesive Securing Tabs are a recommended accessory when using the TR 2034 for superimposed transparencies.



The 35mm VR-Converter Punch - TR 2036

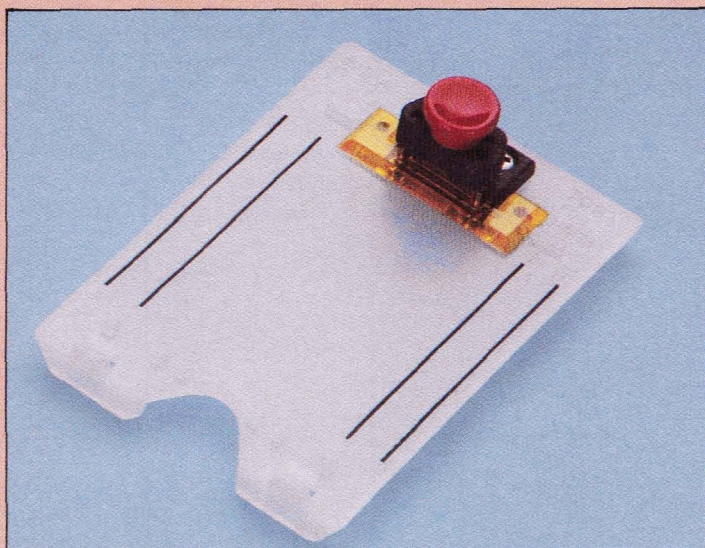
The increasing popularity of the Wess VR System has presented an interesting problem. How is one to use registered 35mm slides or masks with Wess VR slide mounts while retaining the original registration?

The VR-Converter Punch is the answer. Designed like the TR 2034 VR-Hand Punch, it features a two-pin hardened steel punch and die that cuts two round registration holes. Before punching, a film perforation is positioned over a locating pin in the upper left corner of the viewing area, accurately registering the image for use in a Wess VR mount. The VR-Converter Punch is quickly distinguished from the VR-Hand Punch by its amber color. The TR 2036 VR-Converter Punch is supplied in a clear plastic storage box.



The Medium Format VR Punch - TR 2040

The Medium Format VR Punch is required to use Wess VR Medium Format Slide Mounts. The translucent base of the punch has guide lines for 6 x 6cm, 6 x 4.5cm and 24 x 54mm formats, allowing you to preview the position of the image in the mount aperture. 35mm images may also be VR registered for use in 2 x 2" (5 x 5cm) Wess VR mounts. The TR 2040 Medium Format VR Punch is supplied with instructions in a clear plastic storage box.



MASKS

**For Creating Special Effects
When Projecting Or Duplicating**

Masks are geometric patterns or graphic designs, photographically printed on black & white film. They are sandwiched with a transparency to darken or totally conceal predetermined areas of the image. Masks are used to create special effects during projection or when making photocomposites. Wess offers an extremely large range of ready-to-use masks, providing an easy, accurate, and inexpensive tool to producers of single or multiple projector presentations.

Masks fall into two major categories, Hard-Edge and Soft-Edge. Hard-Edge masks are produced on extremely high contrast film, which eliminates all photographic mid-tones. Hard-Edge masks can be easily recognized by the very abrupt, or hard, transition between black (masked) and clear (un-masked) areas. Their prime use is to crop, insert, or sharply divide an image. Hard-Edge masks are available to frame an image with a graphic design, or to create animated effects during projection.

Soft-Edge masks differ in that they are produced on continuous tone film which can provide a wide range of intermediate (gray) densities. Soft-Edge masks are able to provide a smooth, or soft, transition from clear to black.

They are commonly used to blend the edges of two overlapping or superimposed images, or to create a contrasting

frame having softly defined borders. The most common use of Soft-Edge Masks is to reassemble a panoramic image that has been divided into several segments. For more information regarding this process and panoramas in general, see the section of this catalog relating to the Wess Splitter. Please note that the Soft-Edge Masks have a larger range of tones than can be accurately reproduced in print. Because of this, the projected image may vary slightly from the illustrations shown in the catalog.

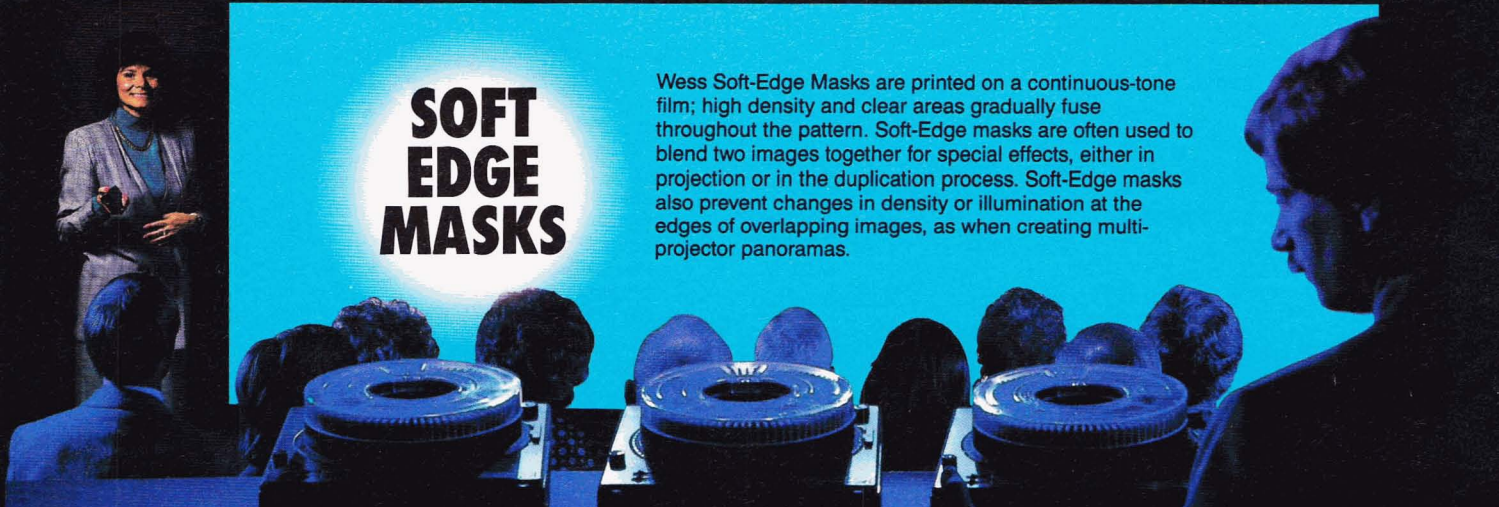
A number of Wess masks are designed as sets, with a "negative" mask having a matching "positive," countermatte mask; some specialized sets mix both hard- and soft-edge masks. Mask sets may be used to combine portions of two or more transparencies by projection or multiple exposure. In most cases, mask sets are grouped together on the catalog page. However, with the exception of Animation Masks, which are meant to be projected in rapid sequence, each design is sold individually.

All Wess masks are made in exact register, an important factor when using "positive" and "negative" masks to produce a precisely aligned, composite image. Where high accuracy is required, 35mm masks should be mounted in Wess Peg registered mounts. Wess VR mounts may be also used if the masks are reregistered with the Wess 35mm VR-Converter Punch. If you are interested in duplicating masked images and need an accurate device for holding them in register, see the Wess Holder.



SOFT EDGE MASKS

Wess Soft-Edge Masks are printed on a continuous-tone film; high density and clear areas gradually fuse throughout the pattern. Soft-Edge masks are often used to blend two images together for special effects, either in projection or in the duplication process. Soft-Edge masks also prevent changes in density or illumination at the edges of overlapping images, as when creating multi-projector panoramas.



TWO-SCREEN 50% CENTER OVERLAP MONTAGE



MSA053



MSA054



MSA053
FLIPPED

TWO SCREEN 50% CENTER OVERLAP PAN IMAGES CAN BE PRODUCED IN-HOUSE BY USING YOUR COLOR ENLARGER AND THE WESS SPLITTER



MSA053



MSDA054



MSA053
FLIPPED

ONE HALF VERTICAL SPLIT



*Fragrance
Makes*
PROFIT



MSA023



MSA023
FLIPPED



MSA032

CIRCLE WIPE SEQUENCE DISSOLVING DIFFERENT SIZE MASKS ON A SINGLE SCREEN RESULTS IN



MSA033



MSA03

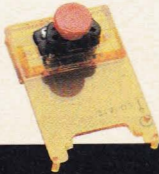
Accessory Items

Soft-Edge Mask Storage Box - MSS 859

A study storage box designed to hold strip of six or less masks. Features a hinged lid, adjustable internal support, and a mini Soft-Edge Mask chart. Includes 10 labeled dividers.

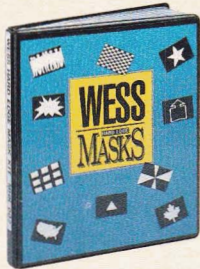
VR-Converter Punch - TR 2036

Punches VR holes in registered 35mm film for Wess VR mounts



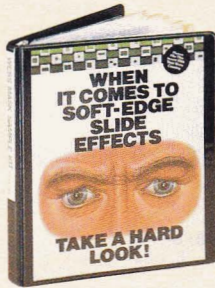
Hard-Edge Mask Sample Kit - MHK 002

Includes one each of all Wess Graphic, Glow, and Drop Shadow HE Masks.



Soft-Edge Mask Sample Kit - MSK 001

Includes one each of all Wess SE Masks.



SUPERIMPOSED CIRCLE



MSA003

MSA004

DRAMA
G
Page 36).

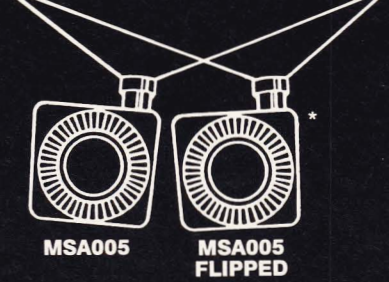
TWO-SCREEN 50% CENTER OVERLAP PANORAMA SUPERIMPOSED CIRCLE



MSA036

MSA037

MSA036
FLIPPED



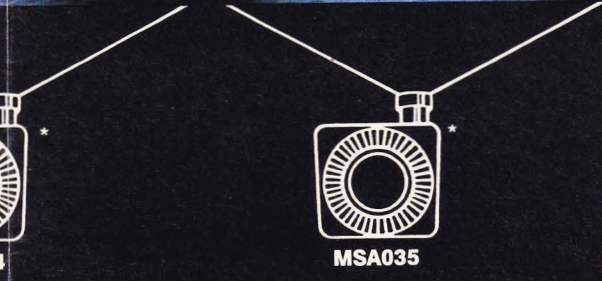
MSA005

MSA005
FLIPPED

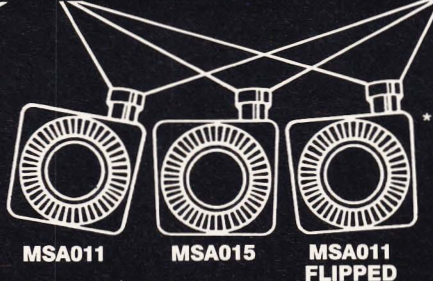
OPENING OR CLOSING EFFECT



SUPERIMPOSED OVAL USING POSITIVE AND NEGATIVE MASKS



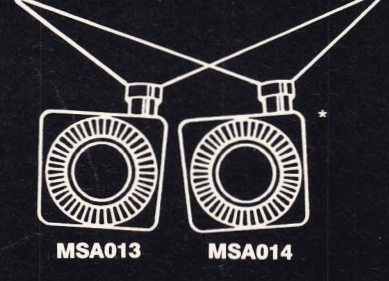
MSA035



MSA011

MSA015

MSA011
FLIPPED



MSA013

MSA014

*Note: When dissolving slides, best results are obtained when projectors are stacked one atop the other.

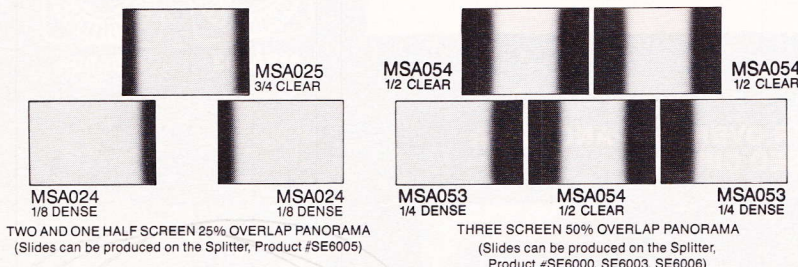
Soft-Edge Masks

- Soft-Edge Masks are best known for developing two-screen center overlap panoramas. However, using this chart, one can see how they can be effectively used with single-screen projections.
- It is difficult to determine exactly where a soft-edge starts and stops: therefore, all fraction sizes are given as approximate reference to size of opening.
- All masks are shot in register for use in peg registered mounts, but may be punched using the VR system and mounted to VR mounts.

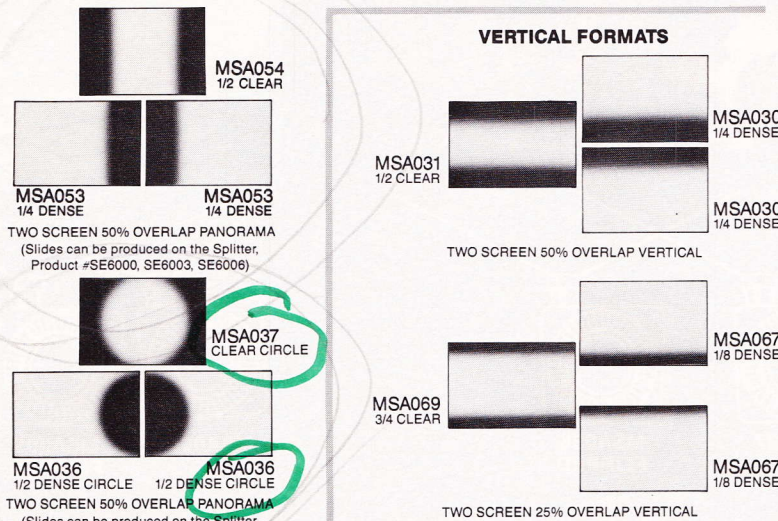
- To achieve certain effects, Wess Soft-Edge Masks may be flipped, resulting in mirror image left to right or top to bottom.
- To order, refer to the MSA (Mask Soft-Edge) item number adjacent to the mask. All masks are packaged in a sleeve of six frames labeled with the item number. Minimum order — one package of six. Inquire about bulk packaging.

OVERLAP PANORAMAS

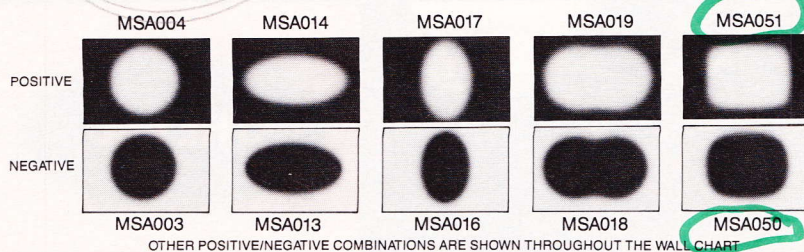
HORIZONTAL FORMATS



VERTICAL FORMATS



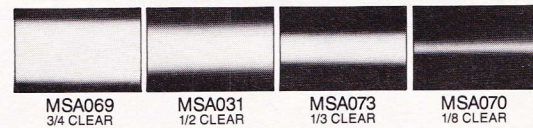
POSITIVE AND NEGATIVE SUPERIMPOSED IMAGES



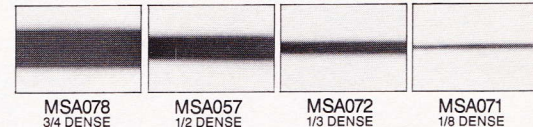
VERTICAL WIPE



VERTICAL WIPE TO CENTER



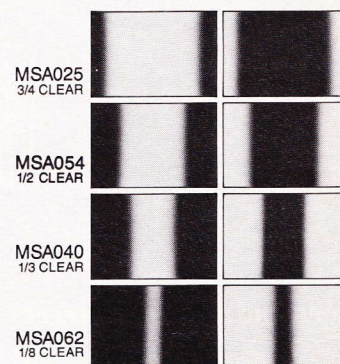
NEGATIVE OF VERTICAL WIPE TO CENTER



HORIZONTAL WIPE



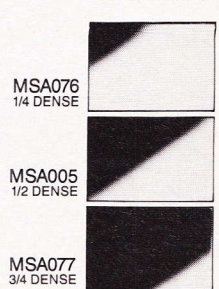
HORIZONTAL WIPE TO CENTER

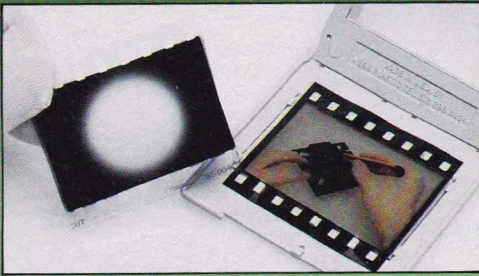


NEGATIVE OF HORIZONTAL WIPE TO CENTER

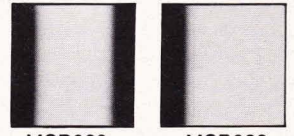


DIAGONAL WIPE



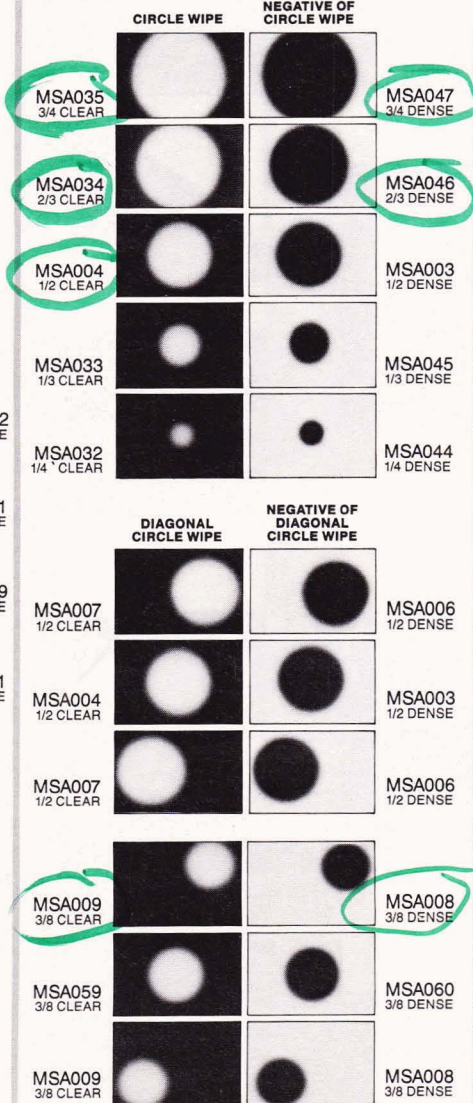


46mm Soft-Edge Masks



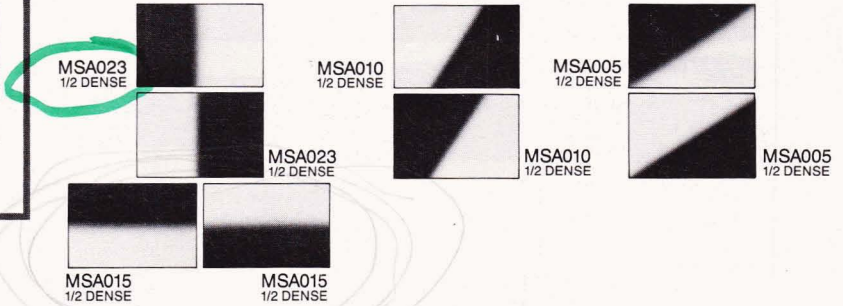
The 028 and 029 patterns are available in the 46mm format for those producing 50% super-slide panoramas. As 46mm masks are closely spaced on the film strip, we recommend the TT 2013 Film Trimming Unit for separating the individual frames.

WIPES (CONCEAL OR REVEAL)

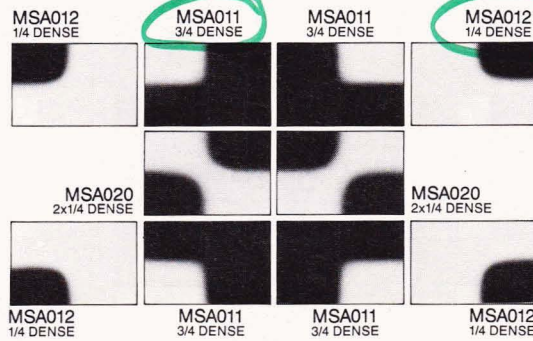


QUARTER, THIRD, AND HALF FRAME SPLITS

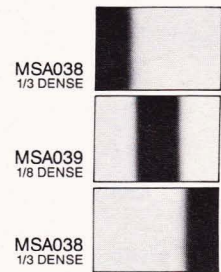
VARIATIONS OF HALF FRAMES



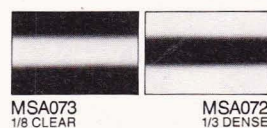
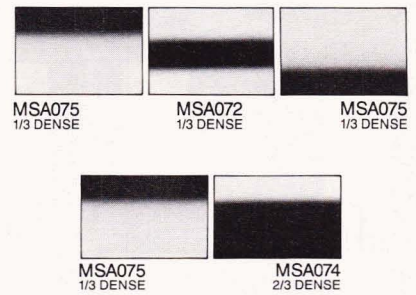
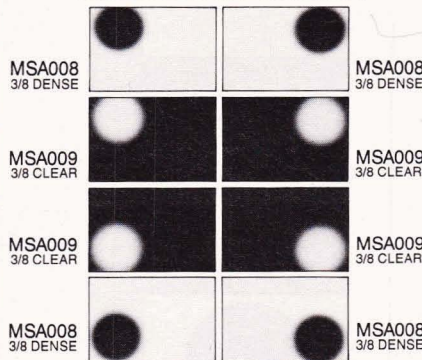
VARIATIONS OF QUARTER FRAMES



VARIATIONS OF THIRD FRAMES

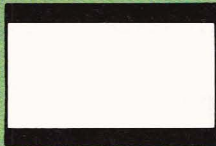


VARIATIONS OF QUARTER FRAME CIRCLES



Hard-Edge Masks

Wess Hard-Edge Masks are printed on high-contrast 35mm film and provide a definite separation between the black (masked) and clear (unmasked) areas. Possible effects are to crop slides, create "windows" to insert images, split and combine images, or produce "wipe" effects. Hard-Edge masks provide at least a 3.5 density in the dark portions, effectively preventing secondary images from the aperture of the slide mount, carrier, etc. The minimum density is approximately 0.04.



MHA 200 SA*
3/4 Clear, 2:1 Ratio



MHA 201 SA*
2/3 Clear, 2.25:1 Ratio



MHA 202 SA*
1/2 Clear, 3:1 Ratio



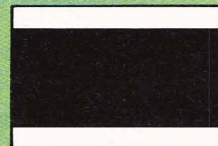
MHA 203 SA*
1/3 Clear, 4.5:1 Ratio



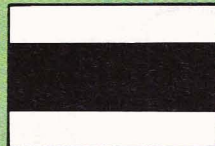
MHA 204 SA*
1/4 Clear, 6:1 Ratio



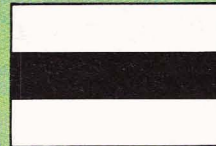
MHA 200 SB*
3/4 Dense



MHA 201 SB*
2/3 Dense



MHA 202 SB*
1/2 Dense



MHA 203 SB*
1/3 Dense



MHA 204 SB*
1/4 Dense



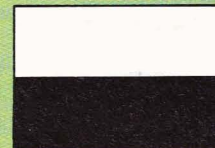
MHA 210 SA
3/4 Clear, 1.33:1 Ratio



MHA 210 SB
3/4 Dense



MHA 220*
1/2 Clear



MHA 221*
1/2 Clear



MHA 222*
1/2 Clear



MHA 211 SA
2/3 Clear, 1:1 Ratio



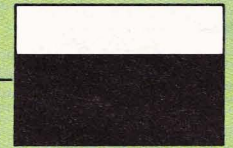
MHA 211 SB
2/3 Dense



MHA 223 SA
1/4 Clear



MHA 225 SA*
1/3 Clear



MHA 227 SA*
1/3 Clear



MHA 212 SA
1/2 Clear, 75:1 Ratio



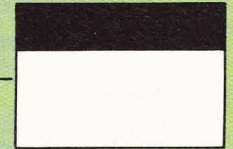
MHA 212 SB
1/2 Dense



MHA 223 SB
1/4 Dense



MHA 225 SB*
1/3 Dense



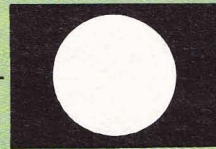
MHA 227 SB*
1/3 Dense



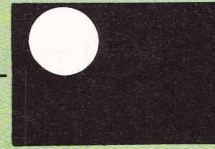
MHA 213 SA
1/3 Clear, 5:1 Ratio



MHA 213 SB
1/3 Dense



MHA 300 SA*
20.45mm \varnothing



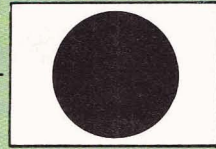
MHA 229 SA
11.68mm \varnothing



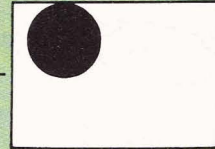
MHA 214 SA
1/4 Clear, .375:1 Ratio



MHA 214 SB
1/4 Dense



MHA 300 SB*
20.45mm \varnothing



MHA 229 SB
11.68 mm \varnothing



MHA 231 SA



MHA 231 SB



MHA 232

*See "Animation - HE Masks" for similar patterns.

MASKS ARE SHOWN AT 80% OF ACTUAL SIZE.

Wess Glow Masks & Graphic Masks

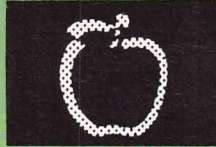
Wess Glow Masks provide an easy means to produce exciting on-screen "glow" effects. A variety of hard-edge graphic images are available to frame your pictorial image. Matching glow-edge masks are then used to provide the surrounding glow effect. Color may be added to the glow by adding colored gels in projection or while duplicating. Both hard-edge and glow-edge masks are available separately.



MHA 320 SA



MHA 320 SB



MGA 320



MHA 321 SA



MHA 321 SB



MGA 321



MHA 322 SA



MHA 322 SB



MGA 322



MHA 323 SA



MHA 323 SB



MGA 323



MHA 324 SA



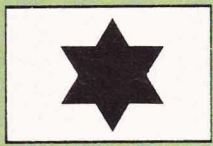
MHA 324 SB



MGA 324



MHA 325 SA



MHA 325 SB



MGA 325



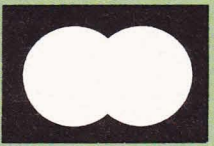
MHA 326 SA



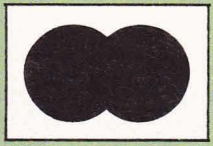
MHA 326 SB



MGA 326



MHA 327 SA



MHA 327 SB



MGA 327



MHA 328 SA



MHA 328 SB



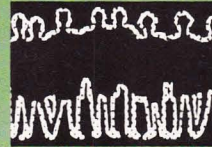
MGA 328



MHA 329 SA



MHA 329 SB



MGA 329



MHA 332 SA



MHA 332 SB



MGA 332



MHA 334 SA



MHA 334 SB



MGA 334



MHA 336 SA



MHA 336 SB



MGA 336



MHA 350 SA



MHA 350 SB



MGA 350



MHA 351 SA



MHA 351 SB



MGA 351



MHA 352 SA



MHA 352 SB



MGA 352



MHA 353 SA



MHA 353 SB



MGA 353

Wess Animation-HE Masks

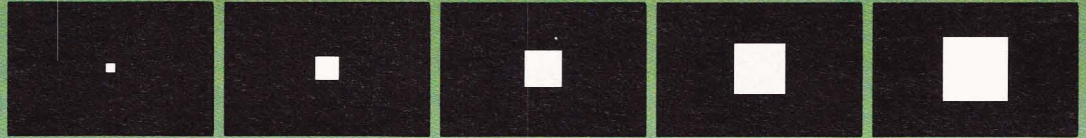
Wess animation masks are special hard-edge masks designed to be shown in series with two or more projectors. Single animation masks are used to frame or matte a pictorial image. When shown in rapid sequence they will create animated movement on the screen. Available effects include planer rotations, spins, zooms, wipes, pixel patterns, and explosions. Some of the animation masks are most effective when the

original image is duplicated with a matching result in mind, i.e., size is changed, rotated using a compound table, etc.

Most Animation Masks are supplied as sets of 11 images produced on a single strip. Some of the sets have matching counter-mattes for producing additional screen effects.

MAA 518

SQUARE, 1:1 ratio
15X zoom effect
starting from 1.7 x 1.7mm
ending at 26.0 x 26.0mm



MAA 514

RECTANGLE, 1.58:1 ratio
22X zoom effect
starting from 1.5 x 1.0mm
ending at 34.3 x 21.7mm



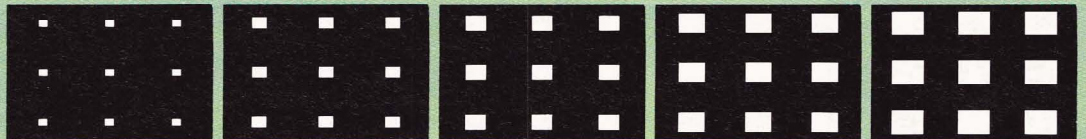
MAA 513

HORIZONTAL SLIT
20X zoom effect
slit size ranges from
1.1 - 22.1mm



MAA 530

ARRAY OF
RECTANGLES,
1.25:1 ratio ea.
approx. 7.5X zoom effect
starting at 1.5 x 1.2mm
ending at 11.7 x 8.5mm



MAA 525

ELLIPSE (OVAL),
1.9:1 ratio
8.7X zoom effect
starting at 5.4mm (W) x
2.9mm (H)



MAA 528

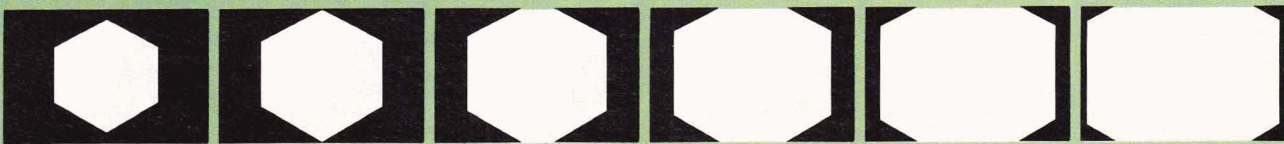
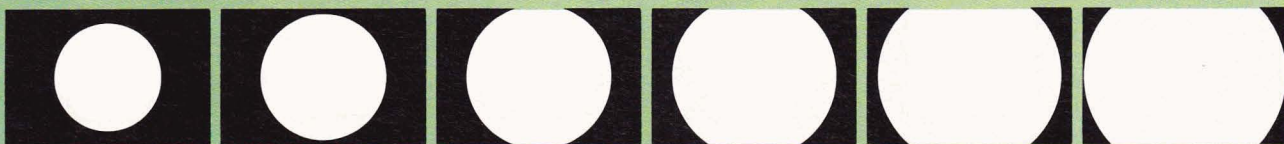
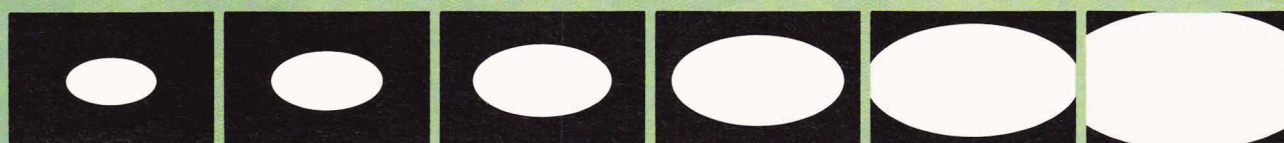
CIRCLE
16X zoom effect
diameter ranges from
2.2 - 35.6mm



MAA 526

HEXAGON
12.5X zoom effect
ranging from 2.7 - 33.9mm
across flats





Wess Animation-HE Masks (Cont.)

MAA 521
TRIANGLE
 21X zoom effect
 ending at 2.7mm (W) x
 2.1mm (H)



MAA 527
EXPLOSION EFFECT
 7.3X zoom effect



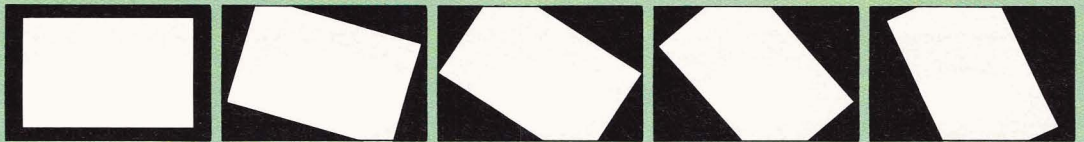
MAA 515
RECTANGLE, 1.56:1 ratio
 spins 0° - 327°
 with 4.5X zoom effect
 6.8 x 4.3mm at 0°



MAA 516
RECTANGLE, 1.55:1 ratio
 spins 0° - 164°
 23.8 x 15.4mm



MAA 517
RECTANGLE, 1.55:1 ratio
 spins 0° - 164°
 29.9 x 19.2mm

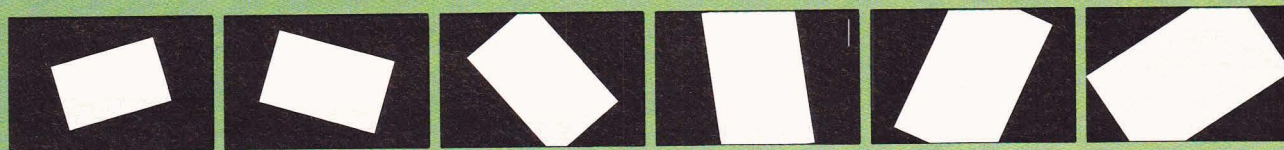
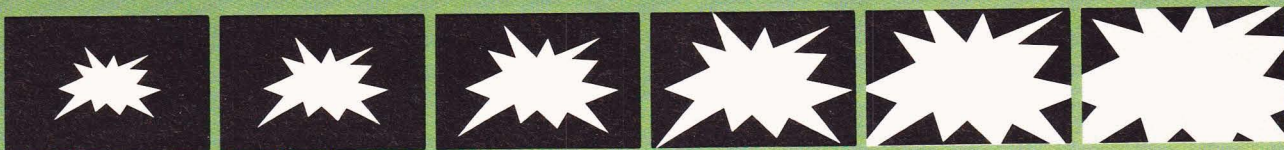
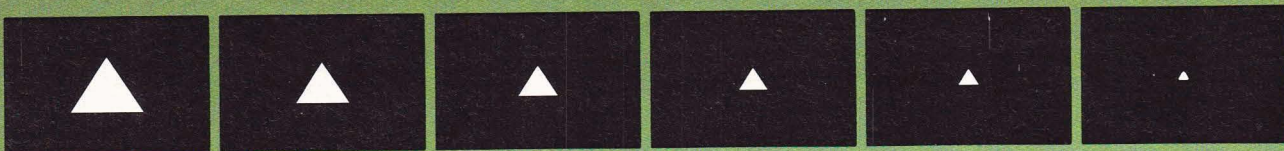


MAA 519
SQUARE, 1:1 ratio
 spins 0° - 327°
 22.1 x 22.1mm



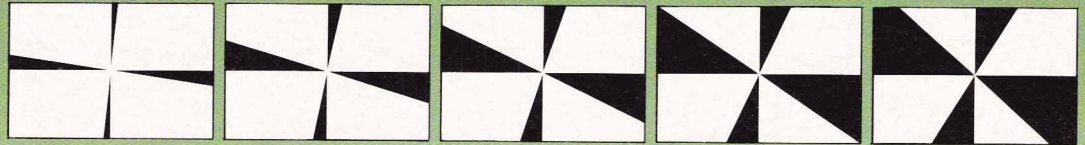
MAA 522
FAN WIPE
 fans from center-edge
 18° - 162°





Wess Animation-HE Masks (Cont.)

MAA 524
SPIN WIPE
 spins on center 8.5° - 84°



MAA 523
FAN WIPE
 fans from corner 6° - 81°



MAA 512
VERTICAL WIPE
 expands from 1.6 - 22.6mm
 in 2.1mm increments



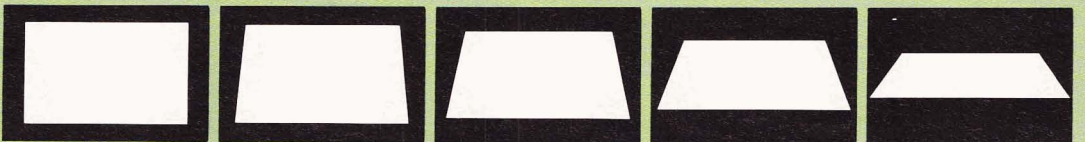
MAA 511
HORIZONTAL WIPE
 expands from 3 - 33mm in
 3mm increments



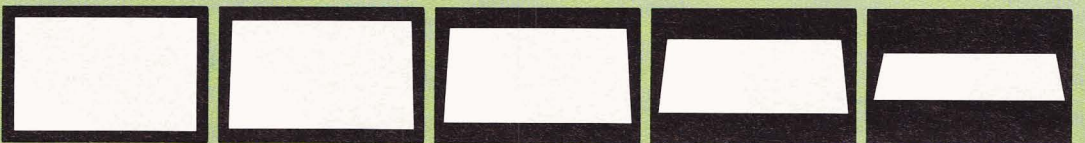
MAA 520
DIAGONAL WIPE
 expands in 3.3mm increments

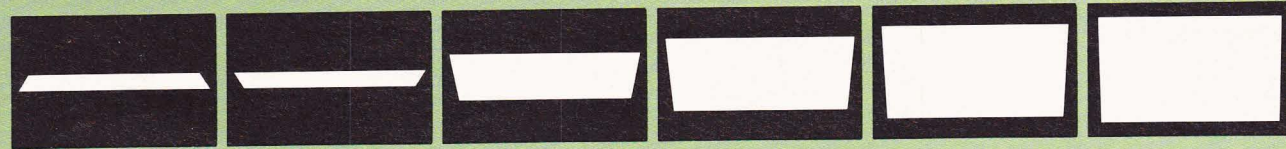
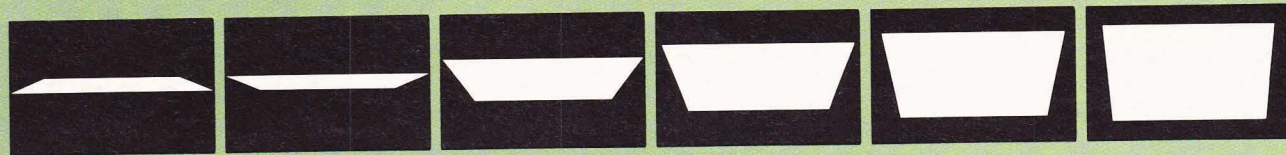
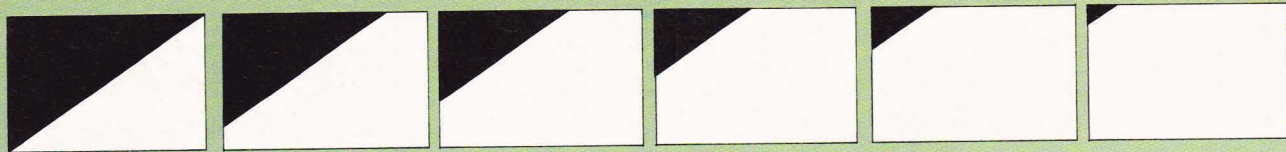
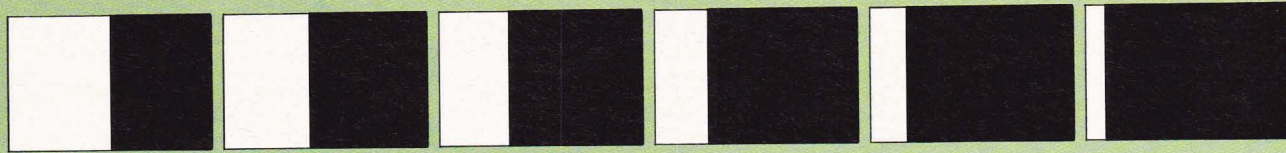
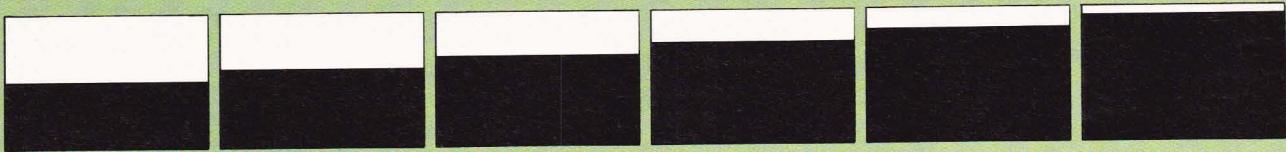
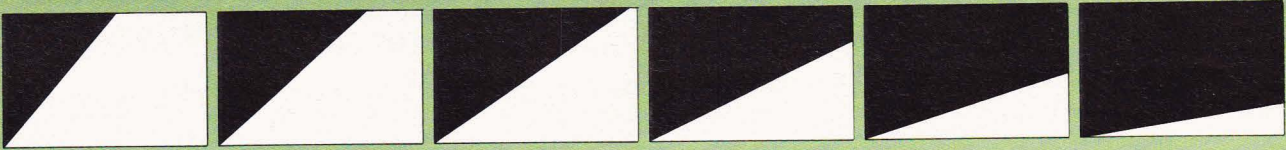
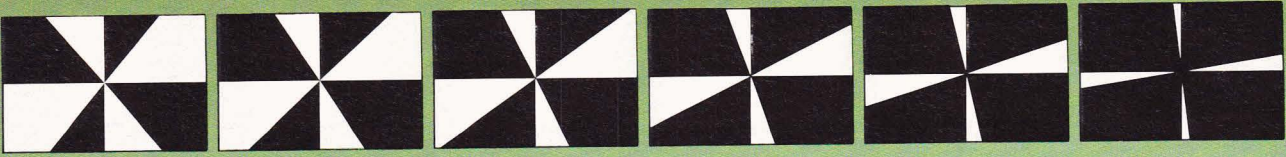


MAA 532
RECTANGLE
(HEIGHTENED PERSPECTIVE),
 1.6:1 ratio
 rotates on horizontal axis
 0° - 164°
 28.6 x 17.9mm at 0°



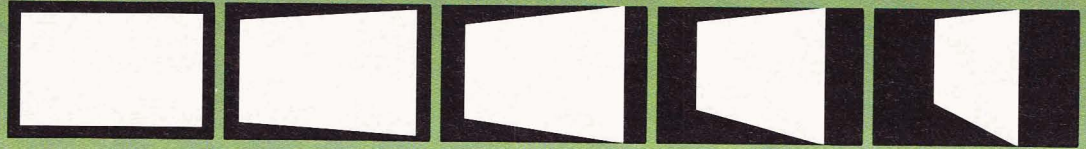
MAA 533
RECTANGLE
(FLAT PERSPECTIVE),
 1.6:1 ratio
 rotates on horizontal axis
 0° - 164°
 31.9 x 19.9mm at 0°



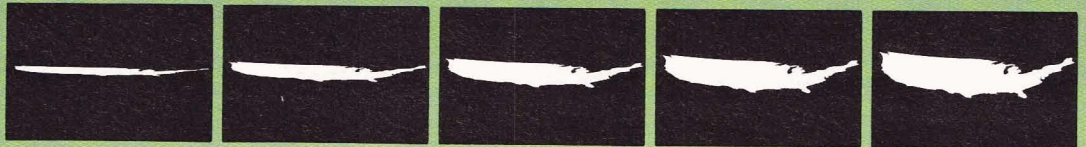


Wess Animation-HE Masks (Cont.)

MAA 531
RECTANGLE
 (VIEWED
 OFF-CENTER),
 1.6:1 ratio
 rotates on vertical axis
 0° - 164°



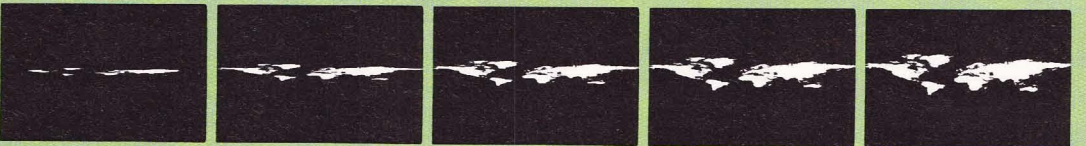
MAA 504
MAP OF U.S.A.
 rotates on horizontal axis
 81.8° - 0°
 see MHA 504 SB for 0°
 counter-matte



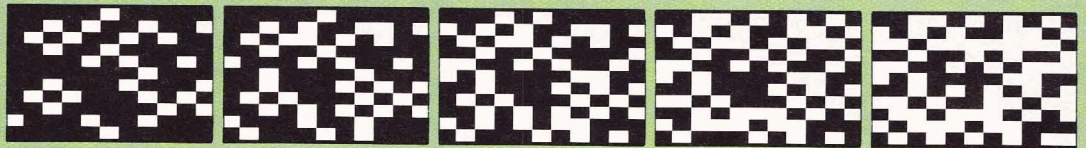
MAA 502
MAP OF EUROPE
 rotates on horizontal axis
 81.8° - 0°
 see MHA 502 SB for 0°
 counter-matte



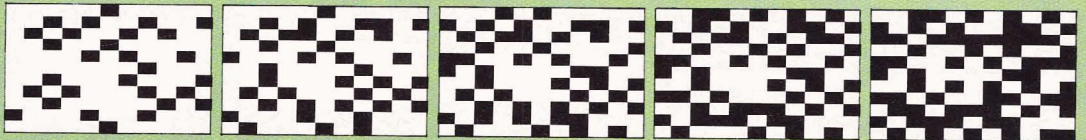
MAA 503
WORLD MAP
 rotates on horizontal axis
 81.8° - 0°
 see MHA 503 SB for 0°
 counter-matte



MAA 529
PIXEL EFFECT
 use MAA 534 as counter-matte



MAA 534
PIXEL EFFECT
 use MAA 529 as counter-matte



**Hard-Edge
 Counter-mattes**



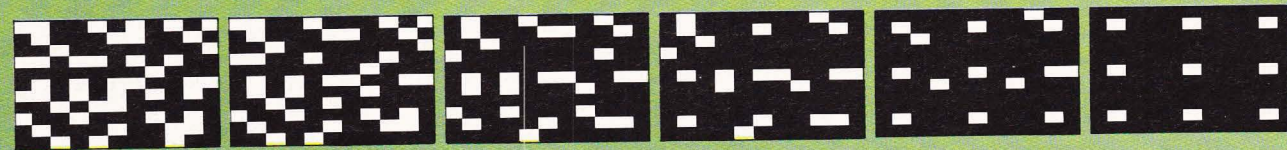
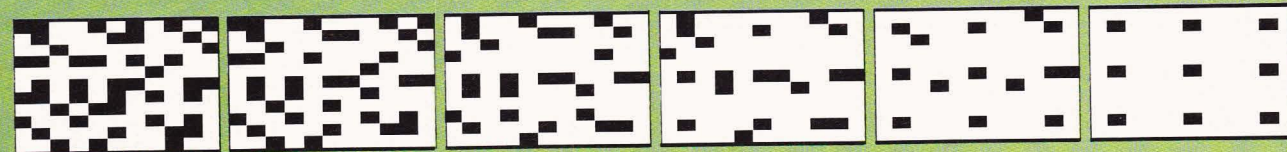
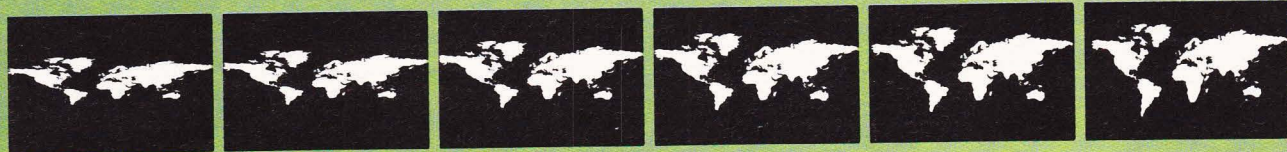
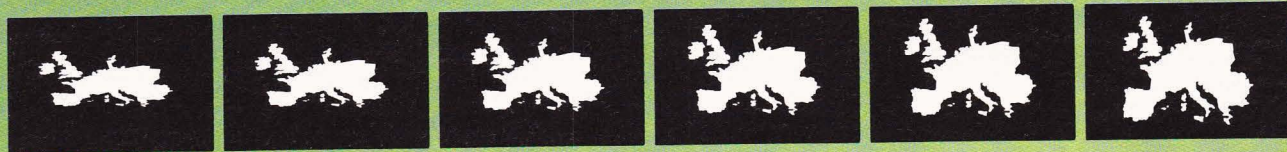
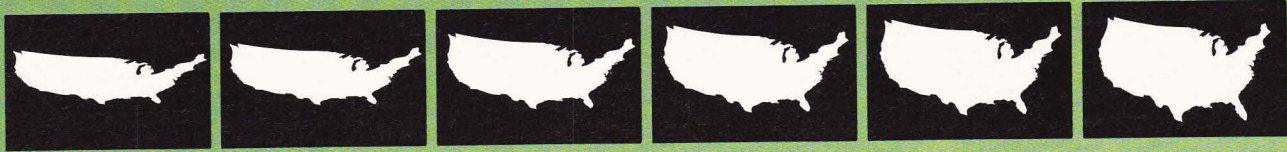
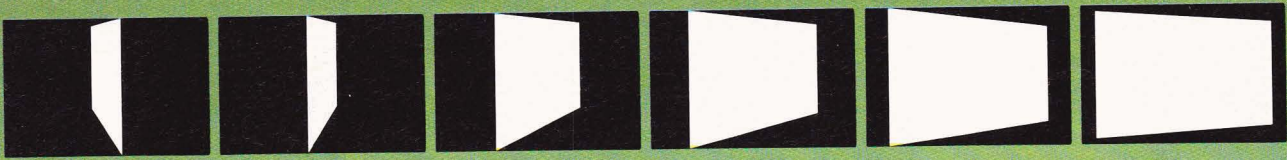
MHA 504 SA

MHA 504 SB



MHA 502 SA

MHA 502 SB



MHA 503 SA

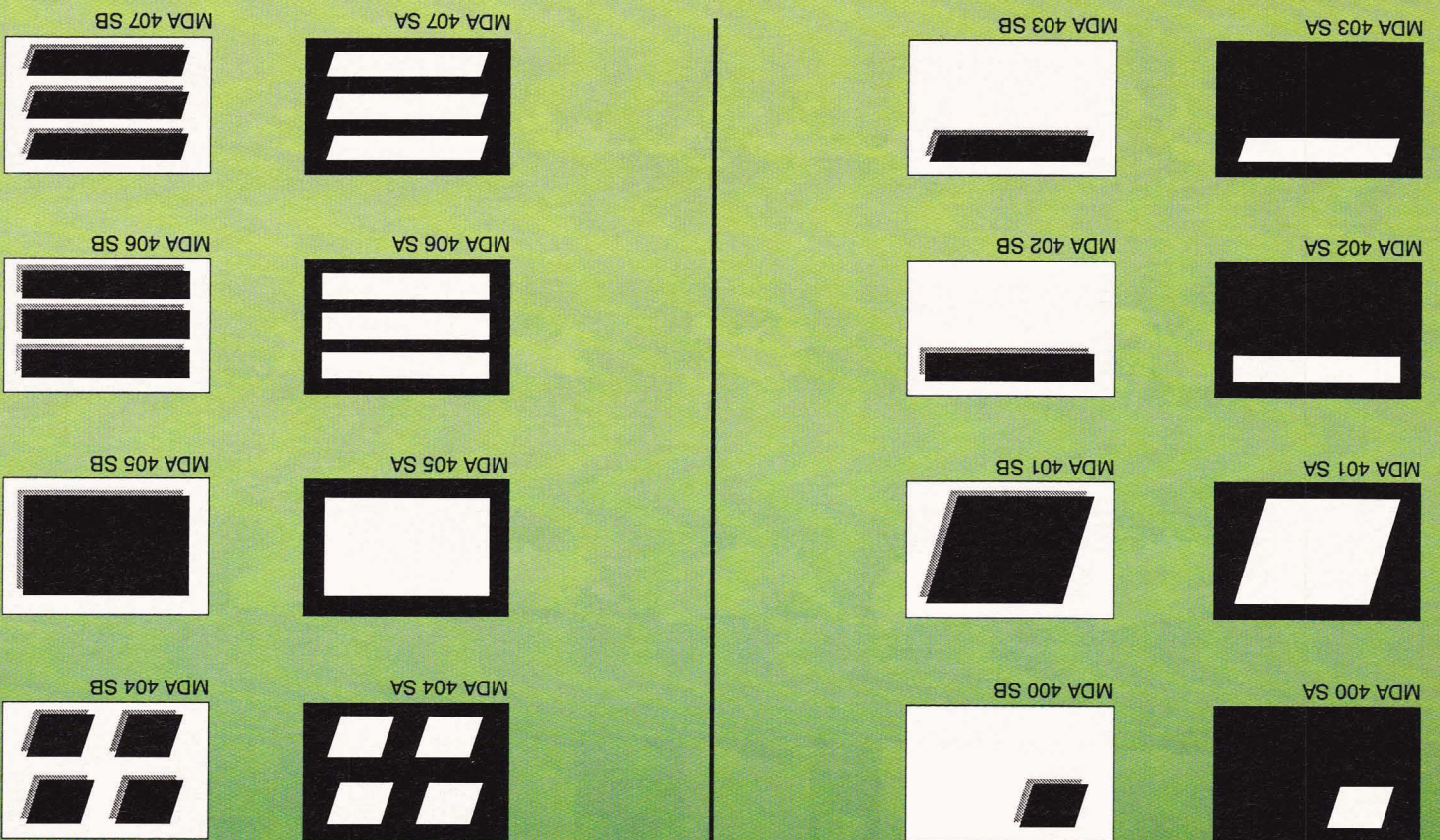


MHA 503 SB

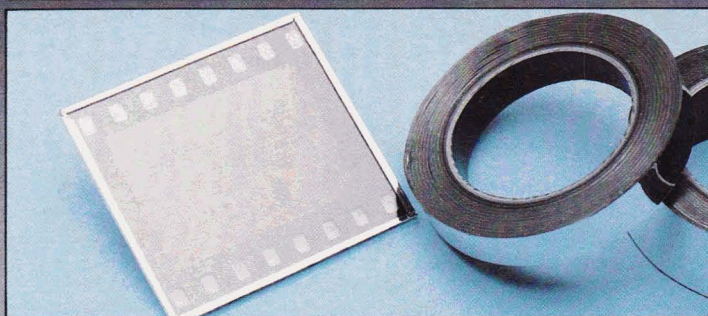
Wess Drop-Shadow Masks

Drop-Shadow Masks create a 3-Dimensional effect by making images appear to be floating in space. This is done by simulating a shadow beneath the framed image. Each effect requires a minimum of two masks. The shadow mask (MDA -- SB) is sandwiched with your background and transparency, while the HE aperture mask (MDA -- SA) is combined with, and frames, the pictorial image. When used in multi-projector shows, the shadow mask-background can be held on the screen while secondary

projectors superimpose a sequence of masked pictorial images. Masks can also be used while duplicating to generate a drop-shadow photo-composite.
 NOTE: For creating composite images on a single frame, see the Wess Composer.



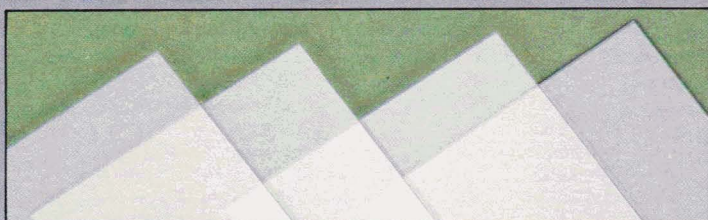
MOUNTING & CLEANING AIDS



Metalized Masking/Mounting Tape

Used to mask transparencies or to bind slides between glass. Ultra-thin polyester, metalized on both sides to virtually eliminate pin-holes and impart opacity. Low outgassing properties; resistant against high temperatures and Ultra-violet radiation. Available in three widths; QM 3058 used with Wess Archival Slide Mounts. Shipped on 1" (25mm) diameter core.

QM 3058	.....	1/8" x 100' (3.2mm x 30.5m)
QM 3060	.....	1/4" x 100' (6.4mm x 30.5m)
QM 3062	.....	1/2" x 100' (12.8mm x 30.5m)



Slide Mounting Glass

Anti-Newton glass for binding transparencies. May be used with our Metalized Slide Masking Tape. Shipped in a pack of 100 pieces.

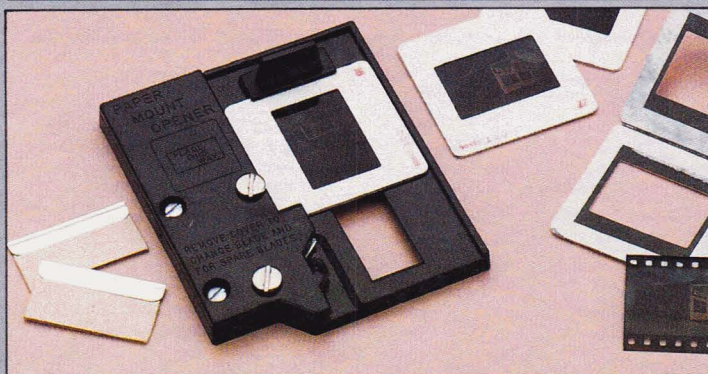
GEC 011	.....	2 x 2" (50 x 50mm) A/N Glass
GEC 012	.....	37.4 x 34.7mm A/N Glass for Perro-color Mounts
GBC 001	.....	25.2 x 40.0mm Wess Mount A/N Glass



Wess Mount Opener

Designed to quickly reopen Wess 35mm 2 X 2" hinged slide mounts. The Wess QM 5000 Slide Mount Opener concentrates force at the lock, which prevents the possibility of broken glass. Double-face tape allows easy installation in any location.

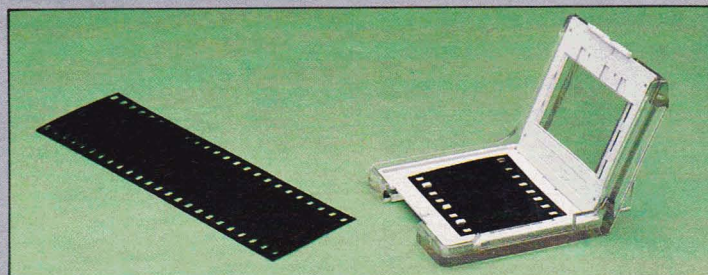
QM 5000	Wess Mount Opener
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Paper Mount Opener

The QM 5050 Paper Mount Opener quickly and safely removes transparencies from paper/cardboard slide mounts. The paper mount is inserted in the cutting track and pulled forward with the handle. A single-edge razor blade neatly slices and separates the mount along its edge, allowing you to easily peel the halves apart and remove the film. The Paper Mount Opener is equipped with one blade installed and two spare blades. Mounting screws are provided for fastening to your work surface. The QM 5050 measures 4 x 3 1/2 x 7/8" (10.1 x 8.9 x 2.2cm). Extra blades are available in a handy 10-blade dispenser or in a box of 100 (not shown), each with a protective wrap.

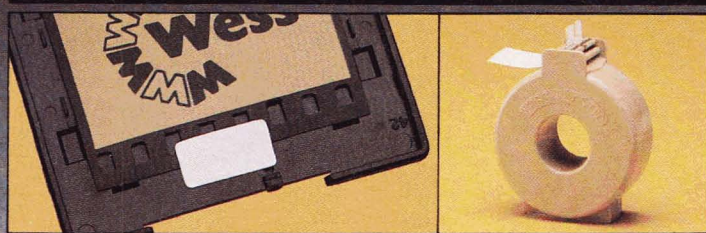
QM 5050	.....	Paper Mount Opener
QM 5052	.....	Dispenser of 10 Single-edge Blades
QM 5051	.....	Box of 100 Single-edge Blades



Wess Mount Support

The QM 5010 Mount Support firmly holds a 2 x 2" (5 x 5cm) Wess mount to allow for the final cleaning of glass and placement of the transparency. The Mount Support is molded of clear plastic for use over an inspection light box. Double-face tape permits installation in any location.

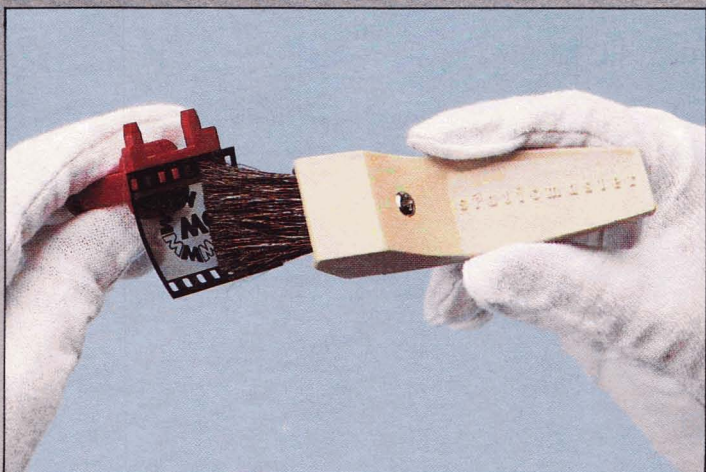
QM 5010	Wess Mount Support
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Adhesive Securing Tabs

These 1/2 x 1/4" (12.7 x 6.4mm) heat resistant adhesive tabs are useful as small labels, thumb tabs to correct artwork, or for taping slides, gels, or masks in position. 1000 tabs are supplied in a convenient pop-up dispenser.

QM 9010 Adhesive Securing Tabs



Staticmaster Anti-Static Cleaning Brushes

Staticmaster brushes are an effective means to remove dust from your transparencies, negatives, slide mounts, filters, view screens, lenses, and cameras. Staticmaster's Polonium 210 element generates ionized air which neutralizes the electrostatic charge that attracts dust and lint. The soft, natural hair brush gently removes foreign particles without harming the surface.

Staticmaster brushes are available in 1" (25) and 3" (76) wide models. A connector can be used to join two or three 3" brushes for cleaning large surfaces. The ionizing source has a shelf life of 12 months; replacement cartridges may be purchased separately.

- QM 2050 1" (25mm) Staticmaster
- QM 2051 Replacement Cartridge for QM 2050
- QM 2052 3" (76mm) Staticmaster
- QM 2053 Replacement Cartridge for QM 2052
- QM 2054 Connector for Ganging QM 2052



Macro-Wipe Optical Cleaning Cloth

This is the ultimate cleaning cloth for removing smudges and dust from glass and other hard surfaces. Extremely fine weave will not scratch lenses. Macro-Wipe disperses static, is lint-free and completely washable. Large 25 x 32cm (9.8 x 12.6") size. Available singly or in carton of ten.

- QM 2001 Macro-Wipe Optical Cleaning Cloth
- QM 2001X Macro-Wipe Optical Cleaning Cloth, carton of 10



Anti-Static Cleaning Cloth

This special cleaning cloth is ideal for cleaning all camera and projector lenses and glass slide mounts. The lint-free cloth is manufactured of the finest fabrics, bound on all sides. Minimal rubbing quickly removes dirt, finger prints, smudges, and fog while protecting the surface against undesirable moisture. The cloth is anti-static treated and measures 11 x 13" (28 x 33cm). The Anti-static Cleaning Cloth is available singly in a blister pack or bulk package of 25 pieces.

- QM 2000 Single Anti-static Cleaning Cloth
- QM 2000 Q Bag of 25 Anti-static Cleaning Cloths



ZapStat Anti-static Cleaning Solution

ZapStat is an economical, effective, and simple solution to static control problems. ZapStat works by lowering the electrical resistance of non-conductive materials such as plastic or glass. Non-toxic, non corrosive, non-flammable, and non-staining. Supplied in a 8 U.S. fl. oz. (236 ml.) spray bottle.

QM 2015 . . . ZapStat Anti-static Cleaning Solution



PEC-12® Photographic Emulsion Cleaner

PEC-12 easily removes finger oils, grease pencil, adhesive residue, mildew, and most inks. It has a neutral pH and is safe for use on color or B&W transparency, negative, or print materials. Not for use on non-hardened gelatin or albumen emulsions (instant slide films, matrix films, etc.) Supplied in a 4 U.S. fl. oz. (118 ml.) spray bottle.

QM 2010 . . . PEC-12 Photographic Emulsion Cleaner



Wess "All-Day" Professional Nylon Lab Gloves

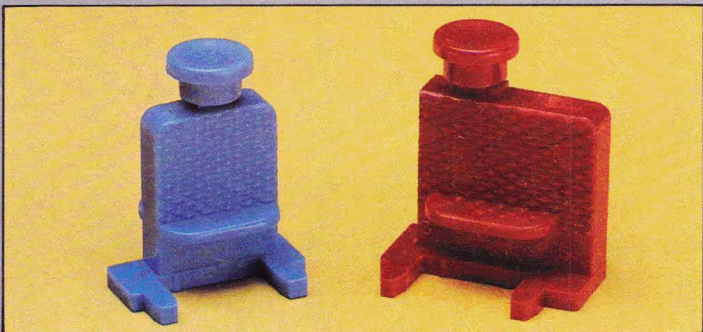
This is the best nylon glove available. Seamless construction and elastic cuff make this glove extremely comfortable. Made with an ultra-thin PHA fiber for light weight. Extra heavy-duty; our tests have shown three to four times the durability of regular nylon gloves. Washable and lint-free. One size fits all. Five pairs are included in each pack.

QM 2120 Wess "All-Day" Professional Nylon Lab Gloves (5 pairs)

ZapStat "All-Day" Anti-Static Lab Gloves

These are similar to the QM 2120 gloves, but are made of a special continuous filament, conductive non-carbon fiber. Excellent electrostatic dissipation helps control dust when cleaning film. Also very useful when working on inactivated electronic components (gloves should not be used near "live" circuitry). Breathable knit and seam-free construction make the ZapStat glove extremely comfortable, even when worn all day. Long wearing, dust free and washable. Available in single pairs or packs of five.

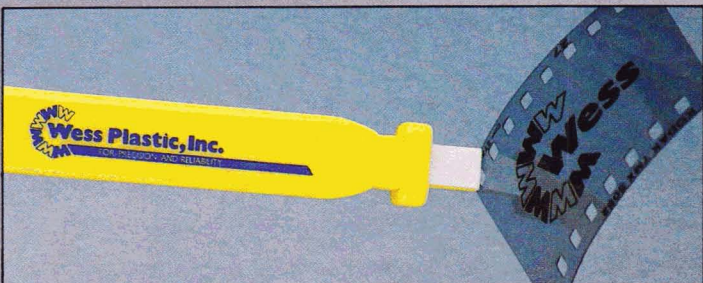
QM 2125P ZapStat "All-Day" Anti-Static Gloves Small (1 pair)
QM 2125 ZapStat "All-Day" Anti-Static Gloves Small (5 pairs)
QM 2126P ZapStat "All-Day" Anti-Static Gloves Large (1 pair)
QM 2126 ZapStat "All-Day" Anti-Static Gloves Large (5 pairs)



Wess Film Mounters

Wess Film Mounters are used to seat film over a Wess mount's registration pegs or VR pins, thereby insuring proper alignment in the aperture. The Film Mounter also allows quick "hands-off" transfer of a film chip from the cutting platform of the Wess FTU-IR, FTU III, and FTU-VR Film Trimming Units, thereby helping to eliminate finger fatigue during long mounting sessions. The mounters are color coded for easy identification.

QM 3000 35mm (peg) Film Mounter, red
QM 3005 35mm (VR pin) Film Mounter, blue
QM 3001 46mm (peg) Film Mounter, red



The Wess Film Pick

The Wess Film Pick is a device used to pick up and move film chips or filter gels. Using the Film Pick is simple - a Wess slide label is wrapped, adhesive side out, around the tip and held with a retaining collar. The sticky surface is then used to pick up film in a non-image area. The label, good for hundreds of operations, is easily replaced. The inexpensive Film Pick is especially helpful when mounting transparencies or lifting film from a smooth work surface.

QM 3050 Wess Film Pick

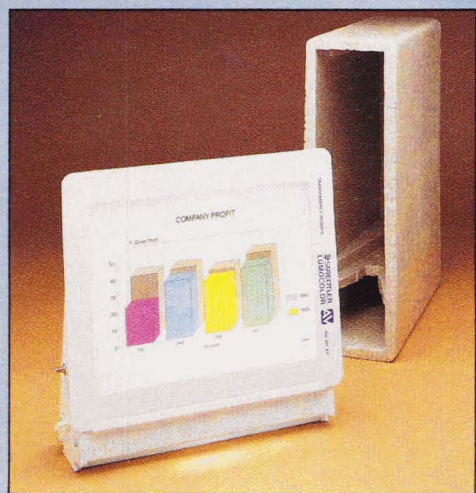
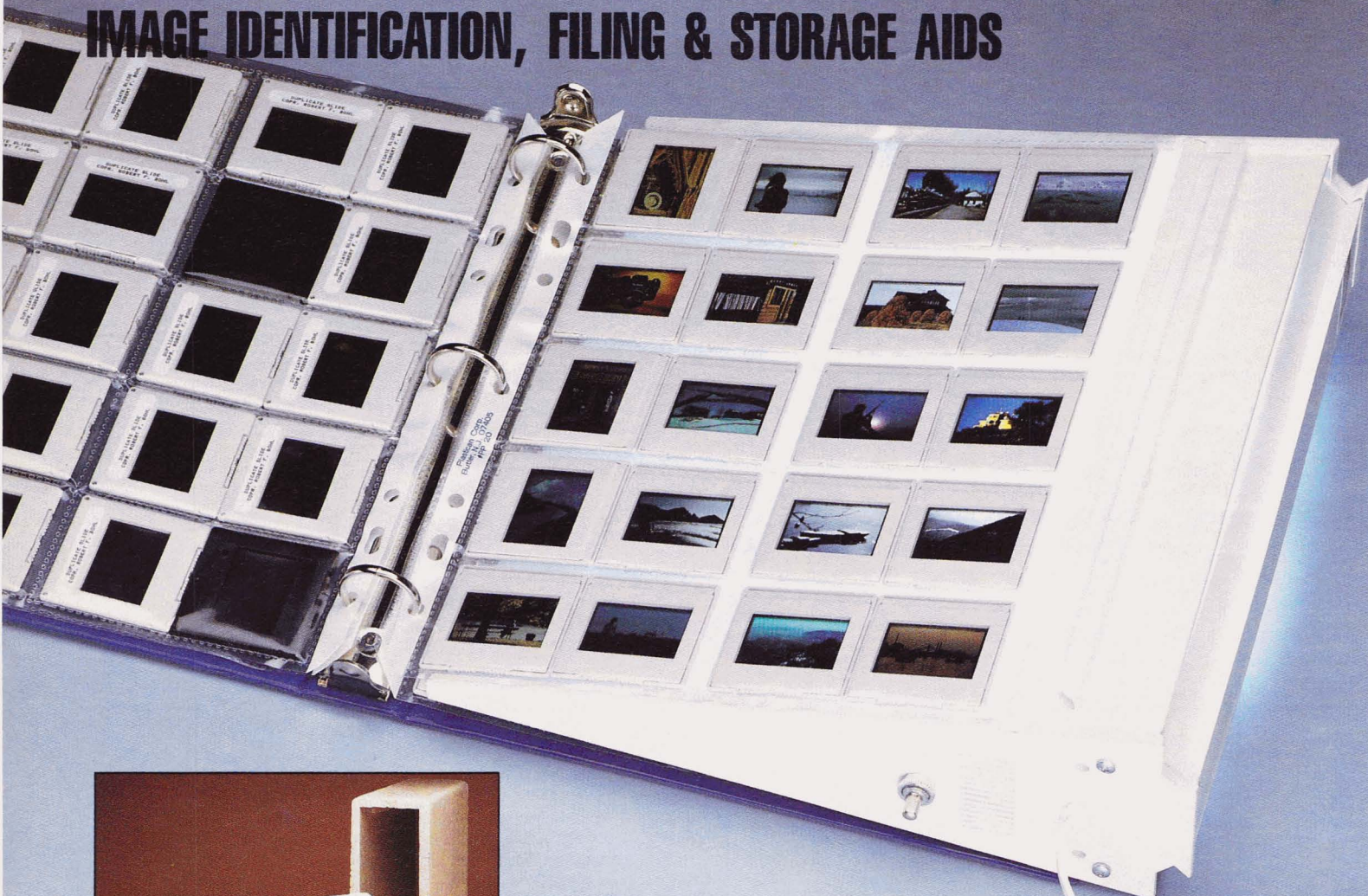


Kodak 135 Film Magazines

You can save on your film costs by loading your own magazines from bulk rolls. These are the original "snap-cap" type magazines preferred by many photographers and labs. Also used as a replacement item for the Wess Splitter and Duper. 10 magazines to a carton.

SE 6600 Carton of 10 Kodak 135 Film Magazines

IMAGE IDENTIFICATION, FILING & STORAGE AIDS



Lite-A-Page-2 Illuminated Viewer

This wedge-shaped lightbox is slipped into a binder between two slide pages, allowing you to easily view a full page at a time. The Lite-A-Page features two illuminated panels. A sorting/editing panel has ribs to hold up to 20 2 x 2" (5 x 5cm) slides. Flip the unit over and there's a smooth panel for viewing transparencies up to 8 x 10" (20 x 24cm). A slot holds overhead transparencies when the Lite-A-Page is placed in a vertical position. Illumination is supplied by a color-corrected (5000°K) fluorescent lamp. Lightweight and portable, the Lite-A-Page is supplied with a fitted styrofoam storage case. For 220 V use, order Product Number QF 2000 E.

- QF 2000 Light-A-Page-2
- RH 2000 Replacement Lamp for QF 2000



Mark II Stamp Pad

Use with your rubber stamp to mark difficult plastic surfaces such as Resin Coated or Cibachrome prints, slide mounts, or film. Excellent for placing a copyright notice or other often used identification on your photographs. The Mark II Stamp Pad is a unique two-sided 4 x 2.5" (102 x 63mm) pad that stays moist for weeks before requiring ink or solvent. Included with the pad is 2 oz. of ink, 2 oz. of reactivator solvent, and instructions. Available in four colors.

- QI 6050 Mark II Stamp Pad with Black Ink
- QI 6051 Mark II Stamp Pad with Blue Ink
- QI 6052 Mark II Stamp Pad with Green Ink
- QI 6053 Mark II Stamp Pad with Red Ink

Image Identification, Filing and Storage Aids



Lumocolor AV Permanent Marking Pens

Staedtler Lumocolor AV pens are designed specifically for audio-visual and photographic applications. Lumocolor AV ink is permanent and will adhere to photographic film, plastic based prints, plastic slide mounts, and overhead projection transparencies. Colors are transparent and provide a means to quickly enliven title slides and charts. Lumocolor pens are available in 4-pen or 8-pen multi-color sets. 4-pen sets include red, blue, green, and black pens. 8-pen sets include red, blue, green, yellow, orange, violet, brown, and black pens. Black Superfine (0.4mm) pens are available separately in packs of twelve.

- QI 3144 4-pen Multi-color set (Superfine 0.4mm)
- QI 3148 8-pen Multi-color set (Superfine 0.4mm)
- QI 3588 8-pen Multi-color set (Extra Broad 1-4mm)
- QI 3139 Black 12 pack (Superfine 0.4mm)



Lumocolor AV Correction Markers/Erasers

These are used to remove Staedtler Lumocolor AV ink from film, prints or plastic slide mounts.

- QI 3190 Lumocolor AV correction marker
- QI 3190X Lumocolor AV correction marker (pack of 10)
- QI 3526 Lumocolor AV correction eraser



Peak 8X Loupe

A high quality, yet affordable 35mm magnifier. Features a focusable 3-element 2-group achromatic lens. Rectangular design covers a full 35mm image. A clear base for viewing prints as well as transparencies. Metric (mm) scale on base may be used for taking measurements. Supplied with a removable neck strap.

- QF 1435 Peak 8X Loupe with Neck Strap



Fotofindr Labeler

Fotofindr Labeler is an advanced labeling and caption filing program for MS/DOS computers. It is designed for Wess QI 9003, QI 9001, and QI 9005 pin-feed labels, and it will work with dot-matrix printers having 9-pin or 24-pin Epson, IBM Proprinter, or Okidata emulation. The program accepts caption lengths up to 45 characters (QI 9001 and QI 9003 labels) or 150 characters (extended caption mode for QI 9001 and QI 9005 using two labels).

Labeler features a powerful search function capable of locating a caption or group of captions. Searches may be based on a single character, word, or phrase within the caption. Individual captions can be easily reviewed, deleted, or copied. Captions selected by groups may be sorted and placed in a user specified order. The caption group can be saved in a temporary file and printed. Depending on the size label and user defined requirements, Labeler can print a single caption or group of captions once or in multiples, a separate line of text, and a log (caption or location) number. An automatic word-wrap feature is an aid when entering text. A fractional printer advance, and adjustable margin control are useful when aligning labels in the printer.

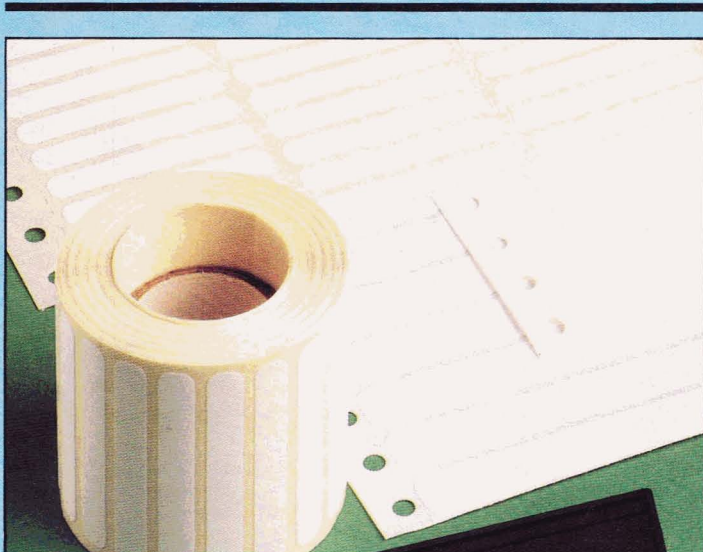
- QI 9043 Fotofindr Labeler Program on 3.5" disk
- QI 9045 Fotofindr Labeler Program on 5.25" disk

SlideLabeler 3.0

SlideLabeler is an inexpensive and simple to use captioning/labeling program. It is designed to work with all currently available Wess 4-across and 1-across pin-feed slide labels, and may be configured for 1-across custom labels up to 12.7 x 12.7cm (5 x 5"). SlideLabeler will print identical or single labels in a variety of text sizes. It features a word-processor type text entry screen, and offers consecutive numbering, micro advance, and file to disk options. The copyright symbol is also available with most Epson compatible printers.

SlideLabeler requires an MS-DOS IBM compatible computer with CGA, EGA, or VGA graphics. It may be run under Windows 3.1 as a DOS application. SlideLabeler supports 9-pin and 24-pin dot-matrix printers using Epson and IBM printer control codes. This version is not designed to support laser printers.

- QI 9053 SlideLabeler 3.0 Labeling Program on 3.5" disk
- QI 9055 SlideLabeler 3.0 Labeling Program on 5.25" disk



Adhesive Slide Labels

Wess offers a range of labels for use on slides and prints. All use a special high temperature adhesive to prevent projector jamming. All these labels may be used in typewriters.

Type QI 9001 labels are 44.5 x 9.5mm (1.75 x 0.38") in size, with one label per row on a 102mm (4") wide fan-fold carrier. The carrier has tear-off perforations every 25.4cm (10"). This is the largest label to fit Wess Standard or Full-Frame 35mm slide mounts. Unique asymmetrical design allows use on almost all pin-feed printers. Available in packs of 500 or 2,500 labels (as product QI 9001 V).

Type QI 9003 labels measure 41.3 x 6.4mm (1.625 x 0.25") in size, allowing them to fit exactly in a 35mm Wess mount's recessed, and protected, memo area. Four per row on a 20.3cm (8") wide fan-fold carrier. Tear-off perforations every 10.2cm (4"). Available in packs of 1,000 or 5,000 labels (as product QI 9003 V).

Type QI 9004 is the same size as QI 9003, but labels are arranged 1-across on a roll. Normally used in typewriters. Supplied as a continuous roll of 1,000 labels.

Type QI 9005 measures 3.5 x 0.438" (89 x 11m) and may be used on Wess Presentation Mounts, file folders, audio cassettes, or as wrap-around labels on 35mm slide mounts. One label per row on a 4.25" (10.8cm) wide fan-fold carrier. Tear-off perforations every 12" (30.5cm). Supplied as a pack of 500 labels.

- QI 9001 44.5 x 9.5mm (1.75 x 0.38") labels, pack of 500
- QI 9001 V 44.5 x 9.5mm (1.75 x 0.38") labels, pack of 2,500
- QI 9003 41.3 x 6.4mm (1.625 x 0.25") labels, pack of 1,000
- QI 9003 V 41.3 x 6.4mm (1.625 x 0.25") labels, pack of 5,000
- QI 9004 41.3 x 6.4mm (1.625 x 0.25") labels, roll of 1,000
- QI 9005 88.9 x 11mm (3.5 x 0.438") labels, pack of 500

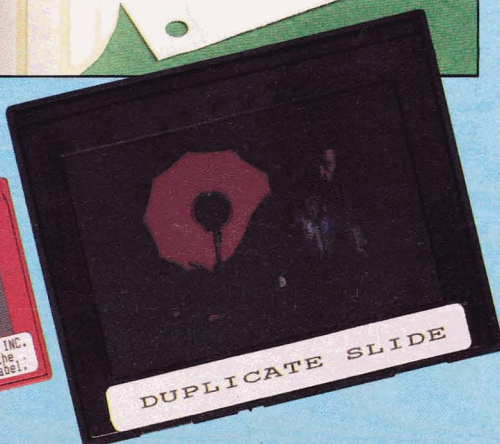
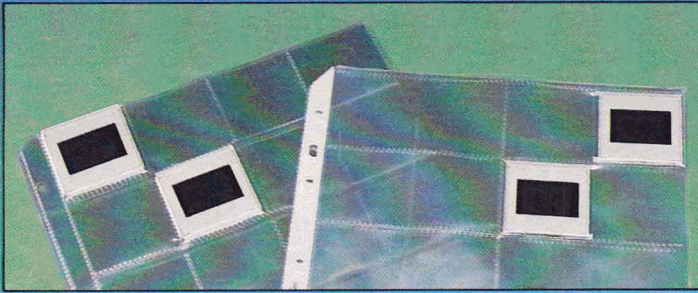


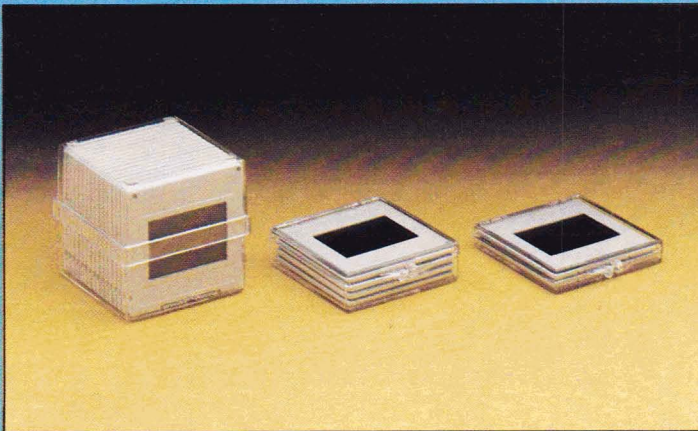
Image identification, Filing and Storage Aids



Archival Slide Pages

These pages are made of clear polypropylene or polyethylene to prevent damage from out-gassing. 35mm slide pages are available in topload and sideload styles; Presentation Mount Pages only in sideload.

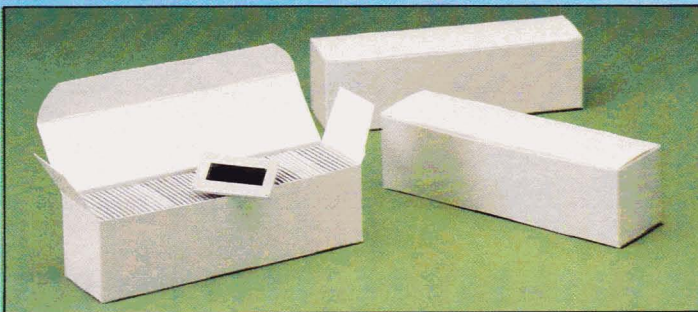
- QF 1120 35mm Sideload Slide Pages; 20-slide capacity, box of 50 pages
- QF 1122 35mm Topload Slide Pages; 20-slide capacity, box of 50 pages
- QF 1211 Presentation Mount Pages; 6-mount capacity, pack of 25 pages



Plastic Slide Storage Boxes

These clear plastic slide boxes are handy for storing or shipping slides. They are available in three sizes as indicated below and supplied in standard cartons of 25 pieces or economy cartons of 100 pieces (for 100 piece carton add "C" to product number shown below). Boxes may be imprinted with your name, logo, or other information for an additional charge; see "Customized Products".

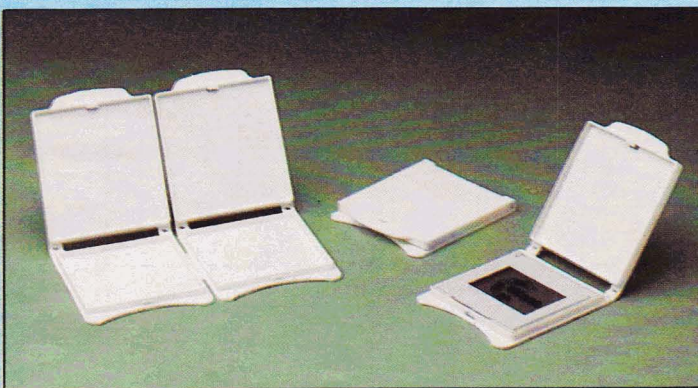
- QS 1000 2 x 2 x 0.25" (50 x 50 x 6mm) Storage Box (holds 2 glass or 5 "thin" mounts)
- QS 1001 2 x 2 x 0.5" (50 x 50 x 13mm) Storage Box (holds 4 glass or 10 "thin" mounts)
- QS 1003 2 x 2 x 2" (50 x 50 x 50mm) Storage Box (holds 16 glass or 36 "thin" mounts)



Cardboard Slide Storage Boxes

These are the boxes we use to ship 35mm Wess mounts. 7.4 x 2 x 2" (18.8 x 5 x 5cm) in size; holds 50+ Wess glass mounts or 100+ "thin" mounts. Sold as a pack of 25 plain white, unprinted, folded boxes.

- QS 0002 Cardboard Slide Storage Box



Wess Mount Mailers

The Wess Mount Mailer allows 2 x 2 x 0.13" (50 x 50 x 3mm) glass slide mounts to be safely mailed in a standard envelope. Mount Mailers help eliminate the aggravation and added expense of heavy-duty packaging when submitting slides for competitions, publication, or review by clients. The Mailers are made of white impact-resistant plastic, and are made in single (1) or double (2) slide mount versions. A snap-lock keeps the Mailer tightly closed. Mount Mailers are normally sold as a carton of 25 or 100 pieces (for 100 piece carton add "C" to product number shown below).

- QS 1101 Single Mount Mailers, 2.5 x 2.5 x 0.2" (64 x 64 x 5mm)
- QS 1102 Double Mount Mailers, 2.5 x 4.5 x 0.2" (64 x 114 x 5mm)



Silica Gel Kit

Moisture trapped in a glass slide mount can cause unsightly "blobs" during projection. One way to avoid such problems is to mount and store your slides in properly controlled conditions. The Wess Silica Gel Kit creates a dry, closed environment for loaded slide trays. The kit includes a pack of silica gel desiccant, an indicator card which changes color when the pack reaches saturation, and a polybag to seal your slide trays against humidity.

- QS 0500 Silica Gel Kit

ALIGNMENT AIDS

Camera & Projector Alignment Aids

Wess 35mm Alignment Slides and Transparencies

Multi-projector shows require that projectors and lenses be adjusted to avoid a loss of image registration. This is particularly important if the presentation uses animation sequences, superimpositions, or multi-screen panoramic images.

Wess 35mm Alignment Transparencies project a pin-registered "positive" grid pattern which includes indicators for the Wess 002 and 302 apertures, image center, and most common panoramic overlaps. Alignment Transparencies are available in 6-frame strips or 100-frame rolls.

Wess Alignment Slides consist of an Alignment Transparency mounted in a blue super precision full-frame peg slide mount. A clear piece of film is included in the mount to insure consistent focus. For an additional charge this film may be customized with a personal message, design, or logo; see "Customized Products" for details. Wess Alignment Slides are sold two to a box, in strips of 6, or in boxes of 100 frames.

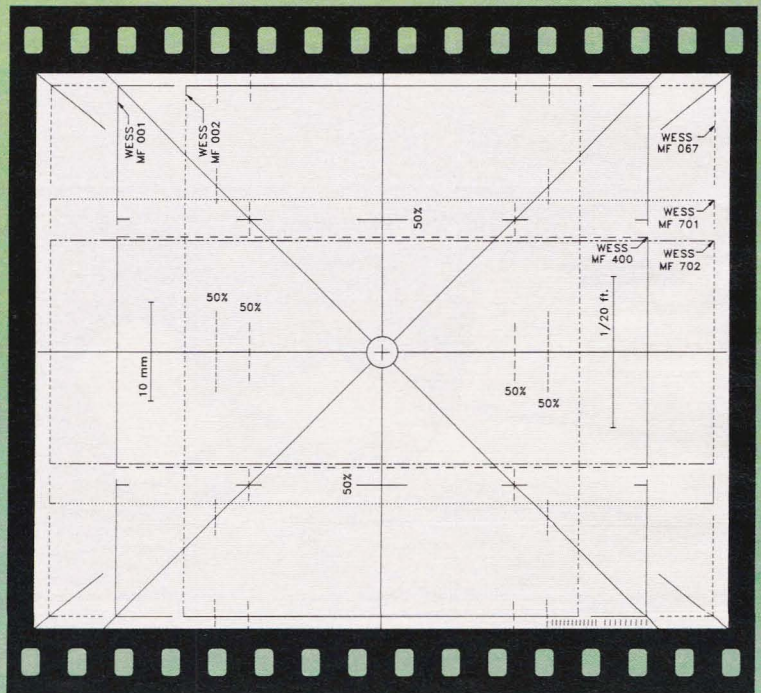
- QA 7115 Wess 35mm Alignment Slides, box of two
- QA 7120 Wess 35mm Alignment Transparencies, 6-frame strip
- QA 7120 C Wess 35mm Alignment Transparencies, 100-frame roll



Wess 70mm Alignment Transparency

The Wess 70mm Alignment Transparency has a pin-registered "positive" grid pattern which may be used to align either 7 x 7cm or 8.5 x 8.5cm projectors. Outlines are given for Wess Medium Format (MF) apertures 001, 002, 067, 400, 701, and 702. 50% overlap alignment marks are also provided for multi-screen panorama presentations. Wess 70mm Alignment Transparencies are sold as single, unmounted images.

- QA 7170 Wess 70mm Alignment Transparency (single image)



Projector Level

The Wess Projector Level is used to horizontally level 2 x 2" (5 x 5cm) slide projectors. Key features are the bubble level and a grid pattern with horizontal, vertical, and circular references. There are also indicators for the Wess 001 and 002 35mm apertures and the 001 super-slide aperture. The Projector Level is 3mm thick and will not fit some high-capacity slide trays. Projector Levels may be imprinted with your name, logo, or other information for an additional charge; see "Customized Products".

- QA 7000 Wess Projector Level

GEL FILTERS

Wess Color Gels

For Quickly Adding Color to Your 2 x 2" (5 x 5cm) Slides

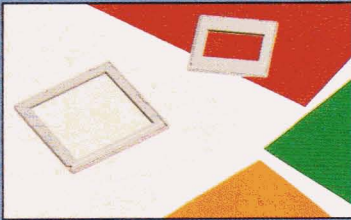
Wess gels provide a quick, inexpensive method for adding color to any slide presentation. They are particularly useful for enhancing black & white title slides or line artwork. Produced on a thin plastic base, gels may be combined to increase saturation or alter colors. Wess 35mm gels are precut and punched to fit securely in Wess peg or VR pin slide mounts; 46mm gels are cut and punched for Wess 46mm super-slide mounts. Please note that Wess gels are produced for projection use; they may not reproduce as the same color if photographed. All gels are supplied in a clear plastic storage box.

Standard Colors

Sixteen standard colors are available in multi-color kits or single color packs. The following chart indicates the colors included in each Wess Gel Kit. Kits PAK 006, PAK 016, and PBK 012 contain 50 gels of each color; kit PAK 007 contains 25 gels of each color.

Replacement 50-gel packs of a single standard color may be ordered by using the prefixes PAL (35mm) or PBL (46mm) before the listed color number. Colors shown with an asterisk may also be ordered in 25-gel 35mm packs by using the prefix PAQ before the listed number (ex: PAQ 101).

Standard Color #	Color	PAK 006 PAK 007 35mm Gel Kit-6	PAK 016 35mm Gel Kit-16	PBK 012 46mm Gel Kit-12
101*	Yellow	X	X	X
104	Deep Amber		X	X
105*	Orange	X	X	X
106	Primary Red		X	X
109	Light Salmon		X	
111	Dark Pink		X	X
115	Peacock Blue		X	X
117	Steel Blue		X	
121*	Lee Green	X	X	X
124	Dark Green		X	X
136*	Pale Lavender	X	X	X
137	Special Lavender		X	
156	Chocolate		X	
161*	Slate Blue	X	X	X
166*	Pale Red	X	X	X
209	0.3 Neutral Density		X	X



Color Gels in Sheets

Any gel listed in Swatch Book PXP 999 may be special ordered in a 21 x 24" (53 x 61cm) sheet. To order, use the prefix PSP before the listed color number.

Special Colors

Other gels shown in Color Swatch Book PXP 999 may be special ordered in packs of 50 by using the prefixes PAL (35mm) or PBL (46mm) before the listed color number.

Gel Swatch Book - PXP 999

Wess uses Lee filters for its precut gels. The Swatch Book shows each of the available colors along with a graph of its light transmission. Available upon request.



CUSTOMIZED PRODUCTS

Imprinted Products

Promote your firm, department, or institution with customized Wess products. Your personalized design or message can be printed on a number of standard Wess products, such as slide mounts, slide blanks, projector levels, and plastic slide storage boxes. Imprinting is possible in a variety of ink colors (see "Custom Color Slide Mounts" for optional mount colors). To proceed, we require full specifications, including the product numbers of the item and ink color. Artwork must be prepared using the applicable layout board as listed below. Minimum quantities are required; please see our price list for cost and delivery information.

Wess Imprint/Molded Logo Layout Boards

- LIC 011 for 35mm Hinged Mounts
- LIC 010 for CVA and BAA Super-Slide Mounts
- LIC 038 for 7 x 7cm Medium Format Slide Mounts
- LIC 054 for 8.5 x 8.5cm Medium Format Slide Mounts
- LIC 050 for 10.5 x 8.5cm Medium Format Presentation Mounts
- LIC 007 for Projector Level
- LIC 006 for 5 x 5 x 5cm (2 x 2 x 2") Plastic Box



Imprint your logo or text with any of these thirteen standard Wess colors!

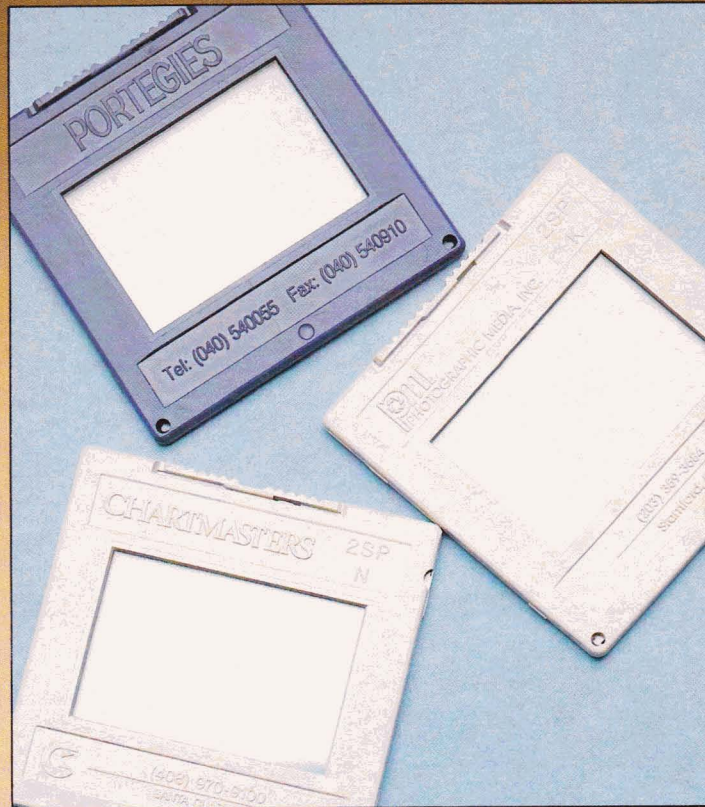
	YELLOW KCX 010		ORANGE KCX 015		BLUE KCX 030		LIGHT GREEN KCX 040		WHITE KCX 060
	DARK YELLOW KCX 012		OCHRE KCX 017		ULTRA BLUE KCX 032		FIR GREEN KCX 041		BLACK KCX 065
			RED KCX 021		TURQUOISE KCX 034		BROWN KCX 050		

Custom Aperture Slide Mounts

Wess can mold custom aperture slide mounts for special effects, unusual image formats, or other applications. The only limitation is that the required aperture must fit within the Wess 35mm 002 or Super-Slide 001 aperture. To proceed, we must have a dimensioned sketch of your design, as well as all mount specifications, such as type of film positioning, glass, or color. Minimum quantities are required. Please see our price list for cost and delivery information.

Molded Designs on Slide Mounts

Molded logos and text have a distinctive appearance, making them popular with those wishing to make a lasting impression. Your design or message may be molded in Wess 35mm and super-slide mounts. 35mm mounts can be molded in top or bottom base memo areas; super-slide mounts only in the top memo area. Mounts are available in Standard Gray or seven optional colors. To proceed, we require the product number of the Wess mount being customized. Artwork must be prepared using the applicable layout board which will be supplied upon request. See "Imprinted Products" for listing. Minimum quantities are required; please see our price list for cost and delivery information.



Custom 35mm Alignment Slides

Alignment slides are often projected at the start of a program to check final image placement. The clear film mounted in a Wess QA 7100 35mm Alignment Slide can be printed with black-on-white text or a graphic design; this is a simple way to promote your firm or department before each presentation. The necessary artwork must be prepared using Wess Layout Board LIC 044, which will be supplied upon request. Minimum quantities are required; please see our price list for cost and delivery information.

Custom Color Slide Mounts

Almost any Wess slide mount and slide blanks can be molded in an optional color. The available colors are Black (K), Dark Gray (D), Standard Gray (A), White (W), Red (R), Green (G), Blue (B), and Yellow Green (L). It is also possible to mold Wess AGX type mounts in a Clear (C)* material for applications requiring the whole film chip to be visible. Color mounts may also be imprinted or molded with a personalized graphic design or text.

Colors are requested by placing the appropriate code letter (shown in parenthesis) after the mount aperture code. Minimum quantities are required; see price list for cost and delivery information. Please note that AAA 002, AAX 002, AGA 002 and AGX 002 color mounts are available in all colors below as stock Wess products.

* Clear mount not shown.



Dark Gray (D)



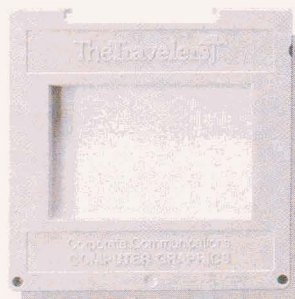
Green (G)



Yellow Green (L)



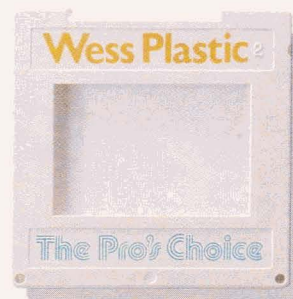
Red (R)



Standard Gray (A)



Black (K)



White (W)



Blue (B)

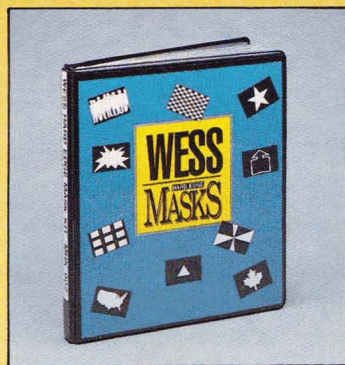
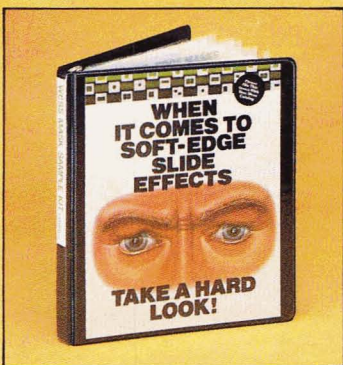
REFERENCE MATERIALS



Wess Slide Mount Sample Book

The Sample Book includes sample mounts having each cataloged 35mm, super-slide, and medium format aperture. Included are assorted Peg, VR pin and General Purpose types as well as slide blanks, color mounts, and mounts with imprinted and molded logos.

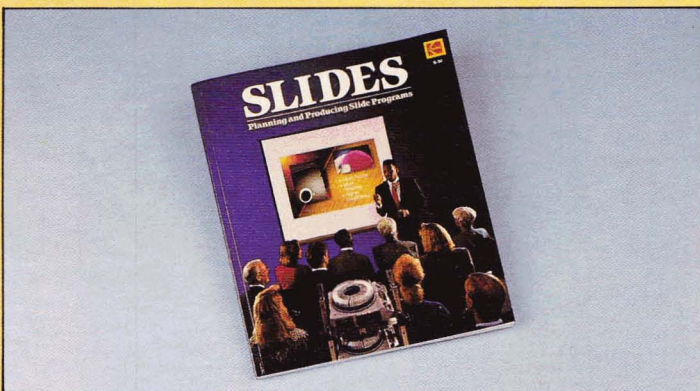
QM 8000 Wess Slide Mount Sample Book



Wess Mask Sample Kits

Two Wess Mask Sample Kits are available for duplication or developmental work. The Soft-Edge Mask Kit MSK 001 includes one frame of all Wess Soft-Edge Masks, The Hard-Edge Sample Kit MHK 002 includes one frame of all Wess Hard-Edge Masks.

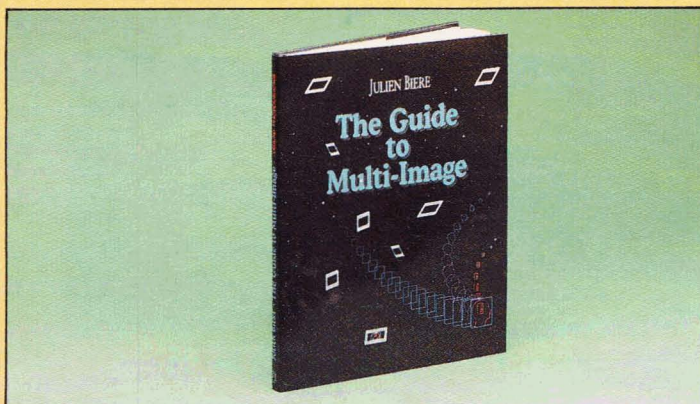
MSK 001 The Soft-Edge Mask Sample Kit
MHK 002 The Hard-Edge Mask Sample Kit



Slides - Planning and Producing Slide Programs

An excellent beginner's guide for those interested in producing slide presentations. This book includes basic information on initial planning, original photography, producing graphics, film selection, audio, and many other subjects. Written for Eastman Kodak by Ann Bishop. 159 pages; many in full color. In softcover.

LTC 035 Slides - Planning and Producing Slide Programs



The Guide to Multi-Image by Julien Biere

A multi-image "how-to" book written by one of Europe's leading A-V experts. Recommended for advanced beginners and semi-professionals. Guides you through typical production stages, from original concept to the final presentation. Depicts actual A-V installations. Many illustrations in full color. 160 pages; available only in hardcover.

LTC 009 "The Guide to Multi-Image"

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