

Precision

Pin-Registration Carrier Systems

4x5 and 8x10 systems

www.MaskingKits.com

Some of the benefits of this system are:

The unique and eloquent design of this system allows a universal fit in most current popular enlargers and many older popular enlargers such as Beseler, Omega, Saunders, Zone VI, Durst and Devere. Because of its design, registration is **rock-solid** and **repeatably perfect** every time.

This system allows the negative or mask set to be removed from the enlarger, replaced with another negative or mask set, and reinserted into the enlarger landing in perfect registration every time. Make stunningly sharp enlargements with or without contrast masks!

Perfect for any and all kinds of contrast masking, both sandwich type masks (unsharp masks, contrast reduction masks, inkjet dodge/burn masks, etc.) and multiple-exposure type masks (shadow contrast increase masks, fog masks, etc.).

This system is also used to make masks. Purchasing a separate, expensive pin-registration contact printing frame is not needed! Other systems using separate contact printing frames actually increase the chance of registration errors.

Aside from actually making masks, the Precision Pin-Registration glass carrier can also be used as a contact printer, allowing the photographer to make stunning contact prints, using any kind of contrast mask, without the need to buy an expensive pin-registration contact printing frame.

Your masks can be stored separately from your original negatives, eliminating sloppy “taping” of masks to negatives and eliminating concerns about damage to your original negative. This assures that your careful archival processing of your original negatives is not done in vain!

Your original negatives are never punched or damaged in any way. Instead, a strip of scrap film is punched and taped to the extreme edge of your original negative with tape that leaves no residue and can easily be removed in the future if you desire. This means that larger registration pins can be used.

Large registration pins are used in this system. This increases the accuracy of registration due to the larger pin circumference as opposed to other systems which use tiny pins (requiring you to punch your original negative and making it awkward and difficult to safely handle in the darkroom).

The carrier is so easy to use, even in total darkness. Simply slide it into the receiver unit (which sits in your enlarger’s negative stage) until it stops. It will land in perfect registration every time. To remove it, simply pull it out! No latches or locks to fumble with or to throw off precision registration.

The float glass (top glass) of the carrier is hinged to facilitate easy handling even in total darkness. This reduces the chance of breakage and makes replacing negatives and/or masks in the carrier a breeze!

The design of the carrier system allows you to print your entire negative, even to the edges! Most other registration carriers do not allow this. The actual printable area may be limited only by your particular enlarger’s light head construction.

How does it work?

The system includes a glass registration carrier, a black anodized metal “holder” or “receiver” unit, a two-hole 1/4” punch, a black foam pad, a sheet of punched black paper and (with the ANR version) a sheet of punched textureless diffusion material. It also includes complete instructions for use, as well as a 100% size template for sizing and positioning of punched leader strips.

The bottom glass of the glass carrier has angled left and right edges. This “wedge” shape has two important functions: 1) Because the insertion end is narrower, it is very easy to find the opening of the receiver unit even in total darkness and 2) It allows a rock solid perfect fit in precisely the same spot inside the receiver unit every time.

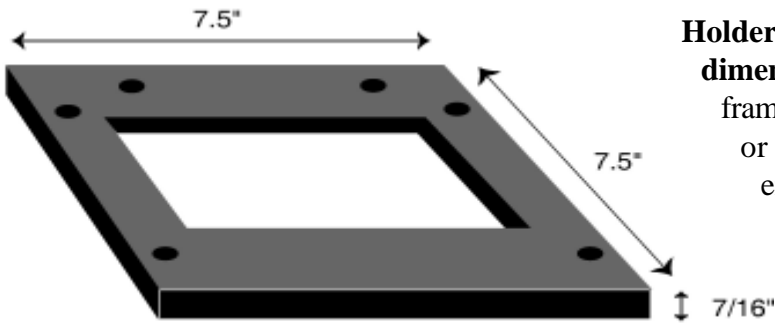
The receiver (or holder) unit fits inside your enlarger’s negative stage in place of your existing negative carrier. If the weight of your enlarger head is not sufficient to hold this unit in place during use, simply using a couple strips of double-sided tape on the underside of the receiver unit will assure that it remains rock-solid during use. It can remain in your enlarger for all of your printing sessions, or it can be removed at any time. In addition, it can be rotated 90 degrees if you prefer to insert your carrier from the left or right sides instead of the front (except 8x10 systems in Durst and Devere 8x10 enlargers, and some others, which must be inserted so that the carrier slides in from the front).

The receiver unit has angled “stops” which act as alignment shims inside. This is also shaped in a wedge shape so that the fully seated carrier is in contact with both angled stops as well as the back stop. Durable, high quality anti-friction (UHMW) tape is fastened to the inside of the receiver unit, allowing the carrier to slide smoothly in and out. This also gives some clearance between the bottom glass and the bottom metal holder surface, eliminating the possibility of scratching the bottom glass.

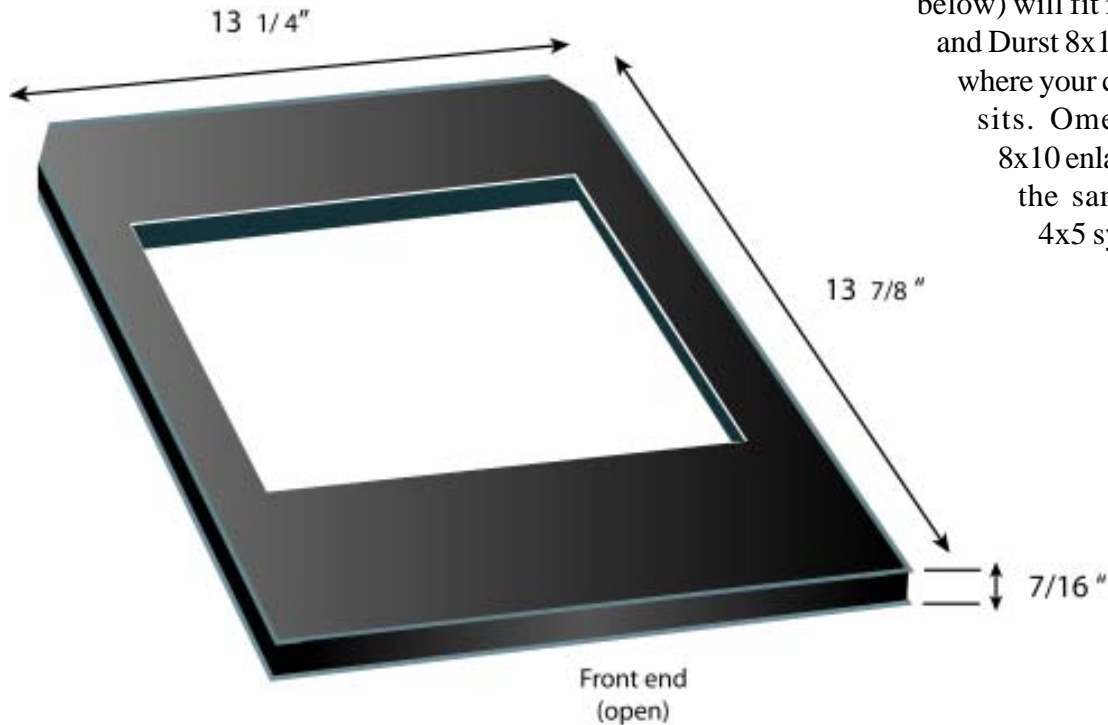
The carrier simply slides into the receiver unit until it stops. It will lay in precisely the same spot every time. To remove it, simply pull the carrier out of the receiver unit. A magnet inside the back of the receiver unit acts to assure the carrier is held in a snug position when it is fully seated. *With this system the enlarger head never needs to be lifted during the printing session - even when replacing negatives and masks!*

The carrier is used to make masks as well. Simply use it as a contact printing frame under your enlarger light. The foam pad can be placed under the carrier to prevent scratching of the glass and to give the carrier a stiff yet flexible base, allowing good even contact of the float (top) glass against the masking film. The punched black paper is placed inside the carrier but under the negative or masking film in order to eliminate the possibility of reflections from the bottom glass when making masks.

The Anti-Newton Ring version comes with a punched sheet of Duratrans diffusion material which should be used under the float (top) glass when making masks. This eliminates any texture from the top glass which could appear when making a *contact exposure* onto the masking film with a collimated (point source, condenser, or extremely small lens aperture size) light source. Note that when using the Anti-Newton Ring version for printing, no texture at all will project through onto your photographic paper. Recommendations for remarkably high quality contact printing using the Anti-Newton Ring Carrier are given in the included instruction manual.



Holder/frames for 4x5 system (above) and 8x10 system (below)



Holder Frame (Receiver unit) diagrams with dimensions (4x5 and 8x10).

This unit (holder/frame or “receiver” unit) must fit (either tightly or loosely - as long as it fits) into your enlarger’s negative stage (in place of your existing carrier). For Saunders 4x5 enlargers, the bottom plate in your enlarger’s negative stage should be lifted out which will then allow enough clearance for this unit to fit.

8x10 holder/frame (pictured below) will fit into the Devere and Durst 8x10 enlarger slots where your carrier normally sits. Omega and other 8x10 enlargers simply fit the same way as the 4x5 systems.

Glass Carrier diagram. Registration pins and a metal bar are attached to the bottom sheet of glass. The metal bar acts as a magnetic “catch” to help seat the carrier in a perfect position inside the holder unit.

