

VISION REGISTER PUNCH



- Magnifies register marks 40X
- Ergonomic heads up position
- Parallax error eliminated
- Register films to less than .001"
- Quick and accurate

Model

VRB1000CD-1
VRB1000CD-1P
VR 1000MA

Description

CD Register Systems with relocation pins only
CD Register Systems with optional punches (2)
Film Punch - Micro Adjust VR

With the CD Vision Register System, films are punched or registered to acetate carriers. The acetate carriers are pre-punched to match the holes in steel or aluminum, automated CD screen printing frames and mounted to matching pins on the backlit VR-1000 CD base. Once in position, the carriers are vacuumed down over an engraved grid. The first film positive is placed on a carrier and positioned over the engraved CD pattern on the illuminated base. It can be positioned square or angled, as required. Once in position, it is taped to the carrier and the two moveable cameras are located over the register marks and locked in place. Since the cameras operate independently, they can be moved to wherever the marks end up. Images of the register marks from the two cameras are then digitized with the video subtraction feature and stored in memory on the monitor screens. At this point, vacuum is released and the first assembly is removed. A second carrier sheet is mounted to the base of the machine and vacuum is again drawn. The second film can now be registered to the digitized images of the first film left on the monitor screens. Once positioned, it is taped in place and the second assembly is removed. The process is the same for the remaining films in the set.

COMBINATION PUNCH AND BENDER



The Punch and Plate Benders automatically punches and bends plates generated from Creo, Galileo and other platesetters for Heidelberg presses. These systems automatically register, punch and bend plates to match Heidelberg Autoplate, plate loading requirements for SM52, SM74 and SM102 presses. They are also configured to bend pre-punched, conventionally generated plates as well.

Operating Sequences For Platesetter Plates:

- Pop-up three electronic plate stops.
- Insert plate against stops.
- Push cycle button. Plate will be vacuumed, punched and bent automatically. Cycle time approx. five seconds.
- Remove plate.

Operating Sequences For Conventional Plates:

- Pop-up two 10mm round, plate mounting pins.
- Insert pre-punched plate and mount to plate mounting pins.
- Push cycle button. Plate will be vacuumed and bent automatically. Cycle time approx. five seconds.
- Remove plate.

Plate Benders are front plate loading and removal machines. No side plate removal is required.

TRANSFER PUNCH AND PLATE TRIMMER



The TPT-2000 Transfer Punch and Plate Trimmer is designed to quickly and accurately re-punch and trim Heidelberg SM102 (with Autoplate) plates to Classic 40" Speedmaster plate size requirements. The TPT-2000 enables plants with both Autoplate and Classic Speedmaster Presses to stock and prep one plate size, then decide at the last moment which press to run the job on.

With the TPT-2000 Transfer System, there is no need to stock two plate lengths, no need to roll cylinders and no need to install costly retrofit clamp bars on older presses. The TPT-2000 addresses all these problems with a user friendly, cost effective, alternative solution that works.

The TPT-2000 relocates prepunched SM102 plates and repunches the plate notches deeper into the leading edge. After the plate is repunched, it is mounted to pop-up relocation pins and trimmed at both the leading and trailing edges, making it a perfect fit on the Classic Speedmaster. Heavy-duty pneumatic trimmers with infrared ergonomic safety switches insure operator safety. Combination relocation pin/punch heads with hardened steel punching components guaranty accuracy and durability.

Model

TPT 2000

Description

Transfer Punch and Plate Trimmer

CTP AUTOMATIC PLATESETTER PUNCHES



OLEC manufactures standard and custom Automatic Platesetter Punches for sheetfed and web press applications. Designed to coordinate internal platesetter register stop pin positions with external post-punching, Automatic Platesetter Punches bridge the gap between the platesetter and the press. Automatic Platesetter Punches are typically designed with back and side plate stop locations to match those used to register images to plates inside the platesetter. Because the plate stop locations match, image register is maintained between the platesetter and the press. This seemingly simple relationship between the platesetter and the punch cannot be underestimated for maintaining precise, repeatable press register on difficult, four color jobs. Automatic Platesetter Punches can be powered by compressor or customer supplied air. They are equipped with three or more electronic plate stops to trigger the punching sequence and a manual/pneumatic option with a go/no-go light. They can also be configured to punch multiple plate sizes by using multiple, selective sets of electronic plate stops

PLATE SPLITTERS



The PS Series Plate Splitters are pneumatically activated plate sheers designed to quickly and accurately cut aluminum plates produced on CTP devices in half producing two usable plates. The PS-24 and PS-30, twenty four and thirty inch cut lengths of these guillotine type plate splitters enables two up plate production on CTP devices, increasing plate productivity.

PS Series Plate Splitters are designed to fit each customers application. They can be provided with multiple stop positions to cut different size plates. They can also be customized to include plate punching as required. These systems can provide solutions to a broad range of plate to press applications.

The systems are user friendly, safe and durable. Each splitter is mounted on a aluminum tool plate base with table stand. Vacuum hold down of plates is provided once plates have been positioned. The cutting knife is completely enclosed by a safety shield for operator safety.

PNEUMATIC PLATE TRIMMERS



Designed to quickly and easily trim aluminum and polyester plates to different press size requirements, these systems provide solutions for a broad range of plate-to-press applications. Stoesser Pneumatic Trimmers are designed to precisely fit each customer's specific application. They can be equipped with edge stops to coordinate with internal platesetter stops, or with register pins to match sheetfed or web plate punch configurations. They can also be equipped with punch heads to both punch and trim plates in a single operation. They can be made with one, two or more trimmers, depending on the requirement. Whatever the application, there is a system that can do the job. Stoesser Pneumatic Trimmers are user friendly, safe and durably constructed. Each trimmer is powered by a heavy-duty, rodless pneumatic cylinder mounted to a solid, cast aluminum plate base. The cylinder drives a hardened steel, rotary trimmer blade against a hardened steel, replaceable stationary blade. An integral clamp and optional vacuum hold-down secure materials firmly in place during the trimming process. The entire trimmer assembly is guarded by a tough, polycarbonate safety shield for operator safety.

POLYESTER PLATE BENDER



The PL-Series polyester plate benders are designed to precisely register and bend polyester plate material for any sheetfed or web application. The PL-Series can be used to bend plates with or without heat, depending on the application. An integral heater is standard with every machine, so the option is available when required. Also standard with every bender are six fully adjustable back stop positions which can easily be set by the operator for any plate bend requirement. All controls and switches are ergonomically positioned to make it a user friendly machine for daily production requirements. Whether the application is a simple 90° bend for an automatic plate loading sheetfed press or leading, trailing and courtesy bends for a forms press, the PL-Series delivers accurate, registered bends every time.

Model	Bender	Width	Height	Depth	Weight	Plate width	Power
PL 100	Heatset	32"/126mm	43"/169mm	33"/130mm	200lb/91kg	24"/94mm	120v

220 volt 50hz units are available

POLYESTER PUNCHES



The DP-Series, Direct-to-Image Register System is designed for duplicator and sheetfed presses, the DP-Series will accurately register four color film separations and imaged metal, polyester and paper plates. It includes a clear acetate overlay grid to register work to the base prior to punching and incremental relocation blocks to register the punched lead edge of plates to the base prior to punching the trailing edge. No other system offers such a comprehensive solution to address register at the press.

Model	Description	Board Size	Press Notches	Notch Sizes
DP 25	Duplicator Punch	15" x 13"	25 - .5" spacing	.158" dia

*Note: Press notches can be punched at 10mm or 11mm deep by a two-position grid locking pin system, standard with every punch.

PLATE BENDERS



Single edge plate benders match Heidelberg® Autoplate or Komori® A.P.C. and S.A.P.C plate changing systems. Each bender can be manually or pneumatically actuated to produce a 90° bend in the trailing edge of the plate and is equipped with register pins to match the plate locating notches made by the plate punch.

HEIDELBERG® / KOMORI® PLATE BENDERS

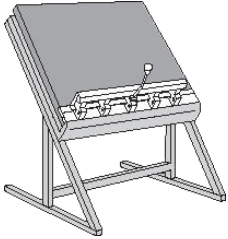
Model	Description	Heidelberg Press
HPB-74M	Manual Actuation	SM 74
HPB-74P	Pneumatic off shop air	SM 74
HPB-74PS	Pneumatic self contained	SM 74
*HPB-40M	Manual Actuation	SM 102/74
*HPB-40P	Pneumatic off shop air	SM 102/74
*HPB-40PS	Pneumatic self contained	SM 102/74

*Note: Factory must be notified if bender is to be used for both SM 102 and SM 74 presses

Model	Description	KIMORI Press
KPB-2628M	Manual Actuation	Lithrone 26/28
KPB-2628P	Pneumatic off shop air	Lithrone 26/28
KPB-2628PS	Pneumatic self contained	Lithrone 26/28
*KPB-40M	Manual Actuation	Lithrone 40/26/28
*KPB-40P	Pneumatic off shop air	Lithrone 40/26/28
*KPB-40PS	Pneumatic self contained	Lithrone 40/26/28

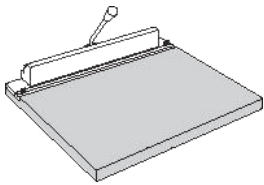
*Note: Factory must be notified if bender is to be used for both Lithrone 40" and 26" and/or 28" presses.

ANGLE SUPPORT STANDS

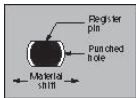


Heavy duty angle support stands are available for Inline, Centerline and Linear Series Punches. These stands are highly recommended for punch stability and support. They are particularly useful for saving valuable floor space and offering increased operator accessibility. They provide greater ease in material handling and enhanced inline and tail punch accuracy. Tubular frame members are exceptionally strong and easy to assemble. Each stand is equipped with adjustable leveling pads. All stands are angled at 45°.

INLINE CONTROL PUNCHES



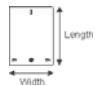
- Precision gear-driven punch heads fitted with hardened steel punching components, lubrication fittings, three-position adjustable back stops (at 1/4", 3/8" and 1/2") and heavy-duty common handle actuation
- Solid anodized aluminum base bar, precision machined and mounted to a heavy-duty Laminate covered base board for rigidity and stability
- Automatic, full length hold down gate for uniform hold down pressure before, during and after punching
- Metal self-centering rack and pinion mechanism
- Sliding ship catch tray, sample supply kit and maintenance literature



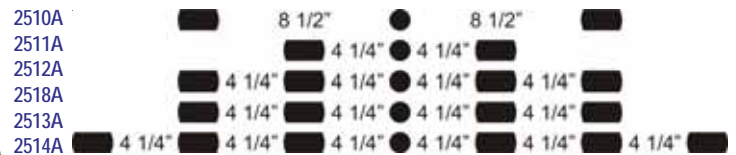
STANDS FOR INLINE CONTROL PUNCHES

Model	Description	Punch Board Size
S45-2330T	45° Table	23 x 30
S45-2330	45° Floor	23 x 30
S45-3042	45° Floor	30 x 42
S45-3648	45° Floor	36 x 48

Note: When ordering angle stands, be sure to measure your punch for correct model number. Punches are measure length x width. Angle support stands are also compatible with Press Register Punches.

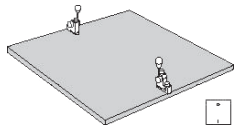


Model	Board Size	Max Material	No. Heads
2510A	23 x 30	31	3
2511A	23 x 30	31	3
2512A	23 x 30	31	5
2518A	30 x 42	43	5
2513A	30 x 42	43	7
2514A	36 x 48	49	7



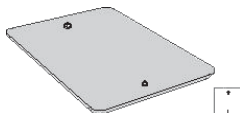
REGISTER SYSTEMS FOR WEB PRESSES

We manufacture a comprehensive register systems for the commercial and newspaper web markets. Our systems are designed to provide accurate register control from finished art to press, with custom designed equipment for each step in the printing process.



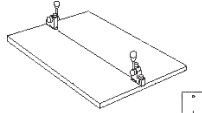
Copy Punches

Copy Punches are designed to accurately punch copy and overlays to match register pins on the composing table and copy board insert. By using the punch, copy can be constructed on the table and transferred to the camera.



Copy Board Inserts

After overlays and copy are punched on the Copy Punch, they can be mounted to the Copy Board Insert installed on your camera. In this way, work can be positioned in the same location every time, establishing register control between the copy board and the camera back.



Film and Negative Punches

Film may be punched on the Film and Negative Punch before or after exposure, depending on your particular camera and system requirements. Work can be registered on the punch over a grid sheet or register marks affixed to the base.

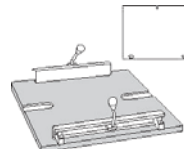
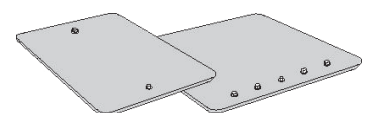


Plate Punches

Newspaper and Commercial plate punches can be custom designed for single or double page layouts. Punch heads are located at positions to match perfectly with your Film and Negative Punch and with any specific press plate mounting requirements.

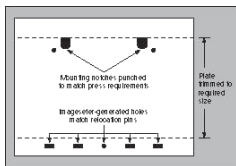
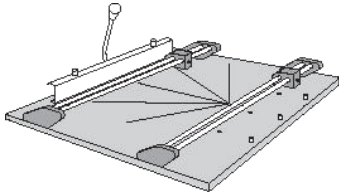


Exposing to Register

Spring-Vac Register Boards are designed for all imaging applications in the vacuum frame. Engineered for contacting, proofing and platemaking, they replace loose register pins and pinbars as tools for critical exposures.



PLATE TRIMMING SYSTEMS



Imagesetter to Press Register Systems utilize punched holes generated by the imagesetter to position imaged polyester plates on the base of the combination Punch/Trimmer. Press mounting notches to match your press are punched in the plate in register to the image and the plate is trimmed to press size requirements.

Integral Trimming

Most Imagesetter to press systems utilize film trimmers built into the punch base. After the output plate has been positioned on the relocation pins, vacuumed in place and punched, it is trimmed to exact press size requirements.

Example: Plate punched and trimmed to match Heidelberg® M.O. press specifications.

Benefits

The benefits of a well designed transfer and trimming system are substantial. Transfer systems are proven to be as accurate as the film output from the imagesetter. In addition, because the process is mechanical, not visual, material handling speed is increased dramatically.

To learn more about our transfer and trimming systems, call your local representative or the factory for details.

HEIDELBERG® INLINE CONTROL AUTOPLATE SYSTEMS PUNCHES (NO TAIL PUNCH)



Heidelberg® Punches have 10mm x 11mm plate mounting notches to match pins supplied on new Heidelberg® presses. They also feature Selective Punching, allowing the operator to selectively punch or delete the 5mm sight holes.

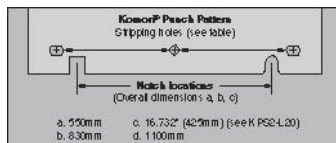
Every Heidelberg® Plate Punch comes equipped with a stripping pinbar for the light table, a black contact mat for the vacuum frame and a selection of register pins and hole strengtheners.

Model Number	Notch Locations	Back -stop Setting	Board Size	Max. Matl. Size	Press Models
2582C	a	5/16"	23 x 30	31	Speedmaster 52, 74
2582C SRS	a	5/8"	23 x 30	31	Speedmaster 52, 74
2583C	b	5/16"	30 x 42	43	Speedmaster 102
2583C SRS	b	1/2"	30 x 42	43	Speedmaster 102
2584C	a + b	5/16"	30 x 42	43	Speedmaster 52, 74, 102
2584C SRS	a + b	5/8"	30 x 42	43	Speedmaster 52, 74, 102

1/4" Round, 1/4" x 3/8" Horizontal (vertical), 10mm x 11mm Notches, 5mm sight holes

2582C		7.736	●	7.736	
2582C SRS		4 1/4"	●	4 1/4"	
2583C	6.988	7.736	●	7.736	6.988
2583C SRS	4 1/4"	4 1/4"	●	4 1/4"	4 1/4"
2584C	6.988	7.736	●	7.736	6.988
2584C SRS	4 1/4"	4 1/4"	●	4 1/4"	4 1/4"

KOMORI® PRESS REGISTER PUNCHES



Komori® Punches have 8mm and 12mm plate mounting notches to match pins supplied on new Komori® Presses. The plate mounting notches are fully compatible with Komori® A.P.C. and S.A.P.C. plate mounting systems. Komori® Punches are available as Inline Control Series, Linear Series and Centerline Series punches. KPS plate mounting tail punch options are available on request. Every Punch comes equipped with a pinbar, a contact mat and a selection of pins and hole strengtheners.

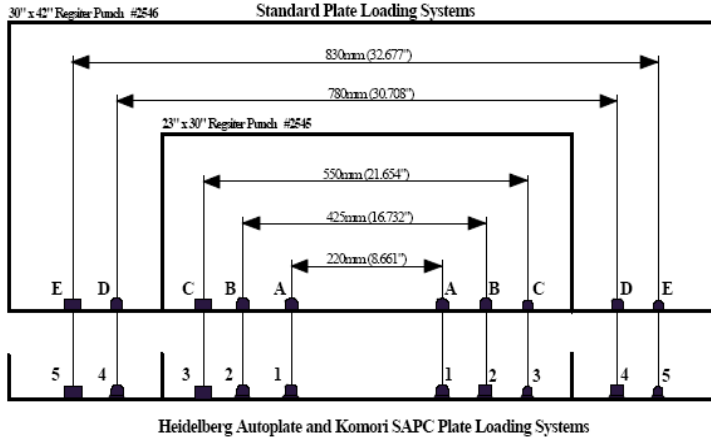
Model Number	Notch Locations	Back -stop Setting	Board Size	Max. Matl. Size	Press Models
KPS2-S2628A	a	1/2"	23 x 30	31	26", 28" Sprint, 26", 28", 32" Lithrone
KPS2-L20A	c	1/2"	23 x 30	31	20" Lithrone
KPS2-L4044A	b	1/2"	36 x 48	49	40", 44" Lithrone
KPS2-L50A	d	1/2"	48 x 48	52	50" Lithrone

KPS2-S2628A		4 1/4"	●	4 1/4"	
KPS2-L20A		4 1/4"	●	4 1/4"	
KPS2-L4044A		4 1/4"	●	4 1/4"	
KPS2-L50A	8 1/2"	8 1/2"	●	8 1/2"	8 1/2"





CTP COMPUTER TO PLATE PUNCHES



Punch #	Base Size
2545	23 x 30"
2546	30 x 42"

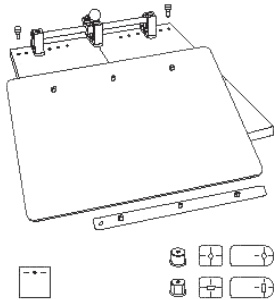
Note: Determine the punch configuration and add head prices to the Base Price to achieve list price. Ex: (2545 A-B @ \$1730 or 2546 3-5 @ \$2750)

Punch Config	Size	System
A	10mm Straight Side	Bacher 220mm
B	10mm Straight Side	Bacher 425mm
C	8mm Round & 12mm Square	Komori 550mm
D	10mm Straight Side	Bacher 780mm
E	8mm Round & 12mm Square	Komori 830mm
1	10mm Flare	Heidelberg 220 Autoplate
2	10mm & 12mm Flare	Heidelberg 425 Autoplate
3	8mm Flare & 12mm Square	Komori 550 SAPC
4	10mm & 12mm Flare	Heidelberg 780 Autoplate
5	8mm Flare & 12mm Square	Komori 830 SAPC

Angle Stand Yes No

For #2545
For #2546

SMALL PRESS REGISTER SYSTEMS



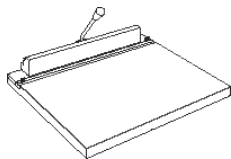
Each system punches 10mm wide plate mounting notches to match factory pinned clamp bars. Systems vary only in the number and spacing of the stripping holes. Each System comes equipped with a stainless steel stripping pinbar for the light table, one piece of black contact mat for the vacuum frame and an assortment of pins and other prepress supplies to form a complete register system.

Model	Board Size	Press Model
3763	23 x 30	H234
3764	23 x 30	C248, C252
3765	23 x 30	H234, C248, C252

1/4" Round, 1/4" x 3/8" Horizontal, 10mm Notches



SMALL PRESS REGISTER SYSTEMS



according to press requirements. Optional Stepping Register Boards are available for the Ryobi® Systems listed above. One size Stepping Board will fit all systems. For customers needing to perform step jobs, the model number 1390 Stepping Board is available. The board has register pins to match the 2770 register system and will provide stepping increments down to 1/16". Special increments of 1/32", 1/10", 1/3" and 1/6" are also available. The board will fit in nearly any conventional frame with a bead height of at least 3/8"

Ryobi® Register Systems 3766, 3767 and 3768 are complete register systems for Ryobi® 3300, 3302, 3304, 510, 512, 520, 522, 524, 525, 580, 582, 640H, 660 and 662 series presses. Each system punches 10mm and 12mm wide plate mounting notches to match factory pinned clamp bars. All systems have identical stripping hole configurations. Plate locating notches vary

Model	Board Size	Press Model	Notches
3766	23 x 30	3300, 3302, 3304, 510, 512, 520, 522, 524, 525, 580, 582, 640H	220mm
3767	23 x 30	660 and 662	425mm
3768	23 x 30	3300, 3302, 3304, 510, 512, 520, 522, 524, 525, 580, 582, 640H, 660, 662 220 & 425mm	

1/4" Round, 1/4" x 3/8" Horizontal, 10mm Notches



Optional Stepping Boards

Model	Board Size	Max Mat Size
E1072627	1/4 x 31 3/4	24 1/8 x 28 3/4

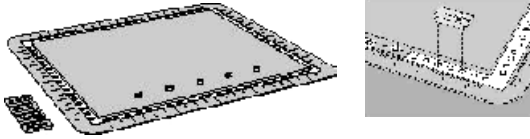
Optional Spring-Vac Boards

Model	Board Size	Max Mat Size
1537	24 x 30	22 x 28





STEPPING REGISTER BOARDS



Stepping Boards are the most effective means for achieving accurate stepping results in the vacuum frame. All register and stepping pins are spring loaded and fully retractable to guarantee image register. Under vacuum, these pins retract evenly until flush with the top surface of the work being exposed. Every system comes with a set of 50 stepping blocks, each fitted with a fully retractable, round or slotted register pin. Standard blocks have offsets in 1/16" increments (mm increments for metric blocks). Using the blocks is easy. By using the stepping blocks and reference scales, an operator can step up, down or across easily and accurately.

Model	Board Size	Max. Matl. Size
1335	22 3/4" x 24 1/4"	19 5/8" x 21 1/4"
1340	25" x 29"	21 7/8" x 26"
1345	27 1/4" x 31 3/4"	24 1/8" x 28 3/4"
1350	27 1/4" x 31 3/4"	24 1/8" x 28 3/4"
1355	31 3/4" x 34 1/4"	28 5/8" x 31 1/4"
1360	31 3/4" x 39 3/4"	28 5/8" x 36 3/4"
1365	32 1/2" x 41 3/4"	29 3/8" x 38 3/4"
1370	33 3/4" x 43 3/4"	30 5/8" x 40 3/4"
1372	36 1/4" x 44 1/4"	33 1/8" x 41 1/4"
1375	37 1/4" x 45 1/4"	34 1/8" x 42 1/4"
1380	33 3/4" x 43 3/4"	30 5/8" x 40 3/4"
1382	36 1/4" x 44 1/4"	33 1/8" x 41 1/4"
1385	37 1/4" x 45 1/4"	34 1/8" x 42 1/4"



SPRING-VAC BOARDS



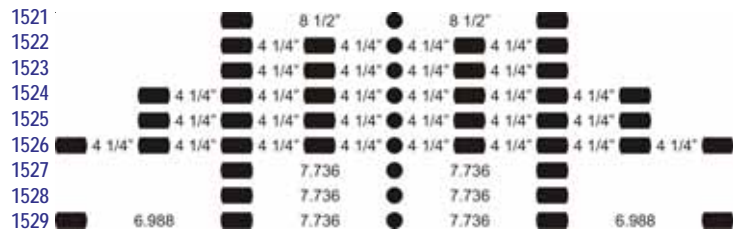
Spring-Vac Register Boards are designed for all imaging applications in the vacuum frame, replacing loose register pins and pinbars as tools for critical exposures.

- * Accurate Register
- * Rigid Control
- * Perfect Contact

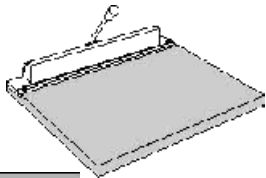


Spring-Vac Register Boards are available in standard configurations and can be built to custom specifications.

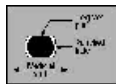
Model	Board Size	Max. Matl. Size	No. of Pins
1521	20" x 24"	18" x 22"	3
1522	20" x 24"	18" x 22"	5
1523	24" x 30"	22" x 28"	5
1524	28" x 36"	26" x 34"	7
1525	32" x 42"	30" x 40"	7
1526	36" x 48"	34" x 46"	9
1527	20" x 24"	18" x 22"	3
1528	24" x 30"	22" x 28"	3
1529	32" x 42"	30" x 40"	5



FILM PUNCHES



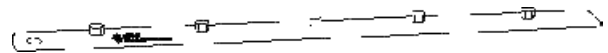
- Precision gear-driven punch heads, lubrication fittings, heavy-duty handle actuation.
- Solid anodized aluminum base bar, precision machined and with heavy-duty top for rigidity.
- Automatic, full length hold down gate for uniform hold down pressure
- Metal self-centering rack and pinion mechanism.
- Sliding ship catch tray, sample supply kit and maintenance literature.



Model	Board Size	Max Material	No. Heads
2312SP	23 x 30	31	5
2313SP	30 x 42	40	7



PIN BARS



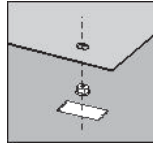
Stripping Pinbars

1310CSP	4 1/4" 4 1/4" 4 1/4"
1312CSP	4 1/4" 4 1/4" 4 1/4" 4 1/4"
1313CSP	4 1/4" 4 1/4" 4 1/4" 4 1/4" 4 1/4" 4 1/4"
1668	Diamond System (Screenprint)





VACUUM INSERT CONTACT MATS



Vacuum Insert Contact Mats are the most cost-efficient tools for attaining accurate register and improved contact in the vacuum frame. These flexible, vinyl contact mats provide a stable base to eliminate material shift and a finely textured surface to achieve quick draw-down. The .030" thick material is thick enough to provide solid stability, yet flexible enough to ensure full, even contact for film contacting or platemaking. These contact mats are especially well suited for use in combination with our register punches and standard register pins. Simply punch the mat with your register punch, then combine it with standard register pins to construct a precise register control board for the vacuum frame. Under vacuum pressure, the register pins will retract evenly until flush with the work being exposed, guaranteeing that

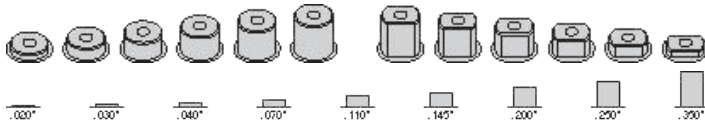
jobs will remain in register.

These register mats are easily constructed and work well for both film contacting and platemaking. They can also be cut to any size for custom applications. For reliable, economic contact mats that produce accurate results, these are the ones. May be ordered individually or in packages of five.

Vacuum Insert Contact Mats

Model	Board Size
1540	20" x 24"
1541	24" x 30"
1542	28" x 36"
1543	32" x 42"
1544	36" x 48"

STAINLESS STEEL REGISTER PINS

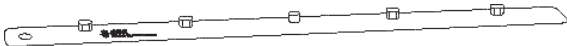


Register Pins are manufactured to tolerances of within .0003". Available in various heights to perform different functions. Longer pins (.259", .350") are suited for art boards and in printed circuit work. Medium height pins (.145", .200") are used in general stripping with flats, overlays and film, while shorter pins (.040", .070", .110") are for contacting and platemaking. Pins are made from high quality brass for strength and durability. Stainless steel and Delrin register pins are available. As economical tools, Standard Register Pins are the answer to a host of register related problems.

Stainless Steel Register Pins

Model (Package of ten)	Size
8111	1/8" round
8112	3/16" round
8113	1/4" round
8114	5mm round
8115	6mm round
8116	5/16" round
8211	3/16" x 1/4" vertical
8311	3/16" x 1/4" horizontal
8212	1/4" x 5/16" vertical
8312	1/4" x 5/16" horizontal
8213	5mm x 1/4" vertical
8313	5mm x 1/4" horizontal
8214	6mm x 5/16" vertical
8314	6mm x 5/16" horizontal
8215	5/16" x 3/8" vertical
8315	5/16" x 3/8" horizontal

STAINLESS STEEL STRIPPING PINBARS



Precision Stainless Steel Stripping Pinbars are the perfect tools for maintaining critical register control for all work in the stripping department. Round and slotted pins of four heights (.070", .110", .145", .200") are solidly anchored to .012" thin strips. Every Pinbar maintains an inline tolerance of +.001". Standard Pinbars match the spacing of our standard punches. They can also be used for pinning camera backs and other related equipment. Custom Pinbars are available. **Note:** Pinbars are available in four different heights. When ordering, be sure to specify the correct letter after the catalog number. Example: 1/4" round, 1/4" x 5/16" slotted 5-pin pinbar at .145" height = 1612C

Note: Pinbars are not recommended for use in the vacuum frame. For register in the vacuum frame, see our Standard Register Pins, Register Control Strips and Vacuum Insert Contact Mats.

1/4" Round, 1/4" x 5/16" Slotted Standard Pinbars

Model	Pin Spacing
1610	4 1/4" 4 1/4"
1611	8 1/2" 8 1/2"
1612	4 1/4" 4 1/4" 4 1/4" 4 1/4"
1613	4 1/4" 4 1/4" 4 1/4" 4 1/4" 4 1/4"
1615	4 1/4" 4 1/4" 4 1/4" 4 1/4" 4 1/4" 4 1/4" 4 1/4"

Bacher® Style Pinbars (standard Bacher® spacing)

Model	Pin Spacing
1644	7.736 7.736
1645	14.724" 14.724"
1646	6.988 7.736 7.736 6.988

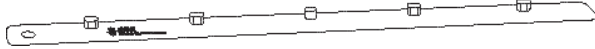
5mm Round, 5mm x 1/4" Slotted (Quickmaster®)

Model	Pin Spacing
1647	7.796





STAINLESS STEEL STRIPPING PINBARS, CONT.



Pinbars are available in four different heights. When ordering, be sure to specify the correct letter after the catalog number. (.070"-A, .110"-B, .145"-C, .200"-D)
Example: .145" height = 1612C

3/16" Round, 3/16" x 1/4" Slotted (matches 2770)

Model	Pin Spacing
1639	4 7/8" ● 4 7/8"

3/16" x 1/4" Slotted

Model	Pin Spacing
1637	6 1/2"
1638	9"

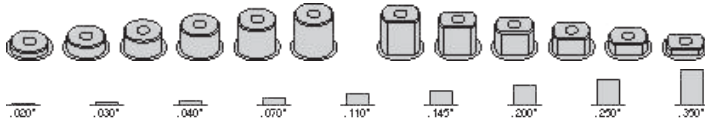
Press Conversion Style Pinbars

Model	Pin Spacing
1621	9"
1622	9 1/2" ● 9 1/2"
1623	5 1/4" ● 4 1/4" ● 4 1/4" ● 5 1/4"
1649	8 1/2" ● 4 1/4" ● 4 1/4" ● 8 1/2"
1650	4 1/4" ● 8 1/2" ● 4 1/4" ● 4 1/4" ● 8 1/2" ● 4 1/4"
1660	8 1/2" ● 4 1/4" ● 8 1/2" ● 8 1/2" ● 4 1/4" ● 8 1/2"

1/4" Round

Model	Pin Spacing
1625	4 1/4" ● 4 1/4"
1626	8 1/2" ● 8 1/2"
1627	4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4"
1628	4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4"
1629	4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4" ● 4 1/4"

STANDARD REGISTER PINS



Register Pins are manufactured to tolerances of within .0003". Available in various heights to perform different functions. Longer pins (.259", .350") are suited for art boards and in printed circuit work. Medium height pins (.145", .200") are used in general stripping with flats, overlays and film, while shorter pins (.040", .070", .110") are for contacting and platemaking. Pins are made from high quality brass for strength and durability. Stainless steel and Delrin register pins are available. As economical tools, Standard Register Pins are the answer to a host of register related problems.

1/8" Round Pins

Model	Height	Qty/box
7111	.040	25
7141	.040	100
7112	.070	25
7142	.070	100
7113	.110	25
7143	.110	100
7114	.145	25
7144	.145	100
7115	.200	25
7145	.200	100

3/16" Round Pins

Model	Height	Qty/box	Price
7211	.040	25	\$16
7241	.040	100	48
7212	.070	25	17
7242	.070	100	51
7213	.110	25	18
7243	.110	100	54
7214	.145	25	19
7244	.145	100	57
7215	.200	25	20
7245	.200	100	60

1/4" Round Pins

Model	Height	Qty/box	Price
7310*	.020 Step	25	\$14
7340*	.020 Step	100	42
7311	.040	25	15
7341	.040	100	45

1/4" Round Pins cont.

Model	Height	Qty/box
7312	.070	25
7342	.070	100
7313	.110	25
7343	.110	100
7314	.145	25
7344	.145	100
7315	.200	25
7345	.200	100
7316	.250	25
7346	.250	100
7317	.350	25
7347	.350	100
7318*	.025 Step	25
7348*	.025 Step	100
7319*	.030 Step	25
7349*	.030 Step	100
7811	.070 SS	25
7812	.110 SS	25
7813	.145 SS	25

*use with stepping strips on stepping boards.

STANDARD REGISTER PINS, CONT.

5mm Round Pins

Model	Height	Qty/box
7611	.040	25
7641	.040	100
7612	.070	25
7642	.070	100
7613	.110	25
7643	.110	100
7614	.145	25
7644	.145	100
7615	.200	25
7645	.200	100

3/16" x 5/16" Slotted Kodak*

Model	Height	Qty/box
7911	.045	25

3/16" x 1/4" Slotted Pins

Model	Height	Qty/box
7411	.040	25
7441	.040	100
7412	.070	25
7442	.070	100
7413	.110	25
7443	.110	100
7414	.145	25
7444	.145	100
7415	.200	25
7445	.200	100
7416	.250	25
7446	.250	100
7417	.350	25
7447	.350	100
7815	.070 SS	25
7816	.110 SS	25
7817	.145 SS	25

5mm x 1/4" Slotted Pins

Model	Height	Qty/box
7711	.040	25
7741	.040	100
7712	.070	25
7742	.070	100
7713	.110	25
7743	.110	100
7714	.145	25
7744	.145	100
7715	.200	25
7745	.200	100

3/32" Round Protocol*

Model	Height	Qty/box
8001	.240	10

1/4" x 5/16" Slotted Pins

Model	Height	Qty/box
7511	.040	25
7541	.040	100
7512	.070	25
7542	.070	100
7513	.110	25
7543	.110	100
7514	.145	25
7544	.145	100
7515	.200	25
7545	.200	100
7516	.250	25
7546	.250	100
7517	.350	25
7547	.350	100
7821	.070 SS	25
7822	.110 SS	25
7823	.145 SS	25





REGISTER CONTROL MARKS

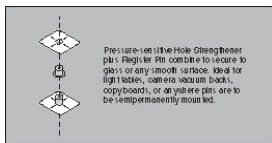
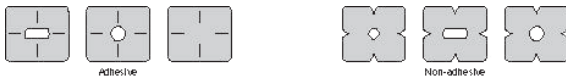


Two variations of 3/4" x 3/4" Register Marks are available. Opaque Register Marks have a black bullseye against a white background, while Transparent Register Marks have a black bullseye against a clear acetate background. Both versions are backed with pressure-sensitive adhesive and are easy to apply to nearly any surface. Designed primarily for use on art illustration board, they provide the tripper with precise controls for checking and fitting four-color negatives for color fit and overlap. They can also be used for other registration applications.

Register Marks are available in convenient dispenser boxes of 250 each.

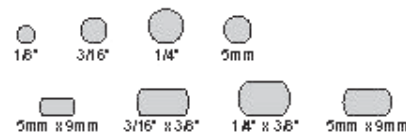
Model	Description
6501	Opaque (reflection)
6502	Transparent (transmitting)

HOLE STRENGTHENERS / REGISTER PIN HOLDERS



Used for reinforcing punched holes in masking material and to locate oversize holes to existing pins. They are ideal for the semi-permanent mounting of pins, and for creating master stepping templates for use in the vacuum frame. Made from 13/16" x 15/16" stable, .005" thick Mylar®, they are extremely strong and thin. The adhesive backing won't leach or shift like tape and the product can be safely stored for future use. Non-Adhesive Hole Strengtheners in four configurations are manufactured with precision-punched centerline notches. The .010" thick Mylar® has an excellent bonding surface for taping, and a durability unmatched by comparable paper board hole strengtheners.

Hole sizes for Register Tabs and Hole Strengtheners



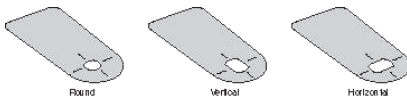
Adhesive (Boxes of 250 each)

Model	Hole Size
6600	Blank
6601	1/8" Round
6602	3/16" Round
6603	1/4" Round
6604	5mm Round
6611	1/8" x 1/4"
6612	3/16" x 3/8"
6613	1/4" x 3/8"
6614	5mm x 9mm

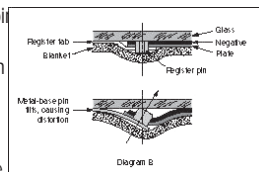
Non-Adhesive (bags of 250 each)

Model	Hole Size
6622	3/16" Round
6623	1/4" Round
6632	3/16" x 3/8"
6633	1/4" x 3/8"

REGISTER TABS



Register Tabs and Hole Strengtheners are made of .010" thick Mylar®, and are available with or without adhesive backing. The translucent Mylar® is ideal on the stripping table, allowing jobs to be ruled close to pin holes. The embossed centerline guides are useful for positioning to an exact layout. The register pin, when used with the Register Tab, retracts smoothly under vacuum pressure until flush with the surface of the work being exposed. Because of the flexibility of the Tab, the pin remains free to slide vertically in the hole and stays flush against the surface of the vacuum frame glass, so no tilting takes place. No tilt of the pin, no shift out of register. Out-of-contact areas consistently encountered with conventional metal-base pins are eliminated.



Adhesive (packages of 250 each)

Model	Hole Size
6701	1/8" Round
6702	3/16" Round
6703	1/4" Round
6704	5mm Round
6711	1/8" x 1/4" Horiz
6712	1/8" x 1/4" Vert
6713	3/16" x 3/8" Horiz
6714	3/16" x 3/8" Vert
6715	1/4" x 3/8" Horiz
6716	1/4" x 3/8" Vert
6717	5mm x 9mm Horiz
6718	5mm x 9mm Vert

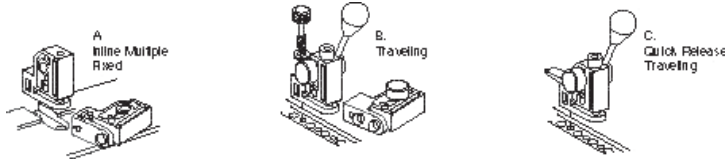
Non-Adhesive (packages of 250 each)

Model	Hole Size
6801	1/8" Round
6802	3/16" Round
6803	1/4" Round
6804	5mm Round
6811	1/8" x 1/4" Horiz
6812	1/8" x 1/4" Vert
6813	3/16" x 3/8" Horiz
6814	3/16" x 3/8" Vert
6815	1/4" x 3/8" Horiz
6816	1/4" x 3/8" Vert
6817	5mm x 9mm Horiz
6818	5mm x 9mm Vert

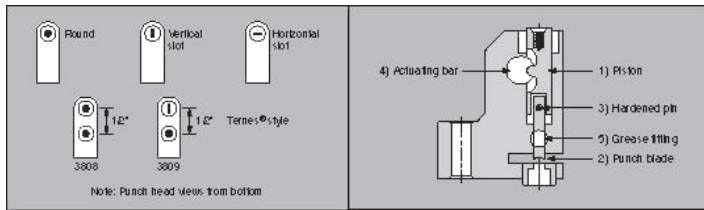




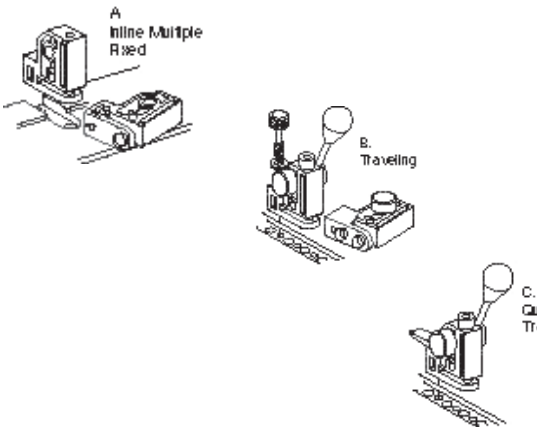
PUNCH HEADS



At the heart of every register system are the punch heads. It is here that register control begins, where precision is absolutely critical. As the most precise items in pin registration for the graphic arts, Stoesser punch heads display superiority in every category. All punched holes are within .0001" of their standard size—accuracy unmatched in the industry. Galling and binding are eliminated with standard lubrication fittings and a two-guide system eliminates punch failure due to misalignment or jamming. Our positive drive, positive return internal punch actuation is unique. The driving piston is loosely connected to the punch blade by a hardened pin. Side thrust from actuating bar is isolated to the piston, eliminating side wear to punch blade or guide system. From .002" color key to .015" aluminum plates, they punch cleanly every time. Standard punch heads have working components machined from tough, wear resistant, high carbon steel. Good for thousands of punchings with the tightest control possible.

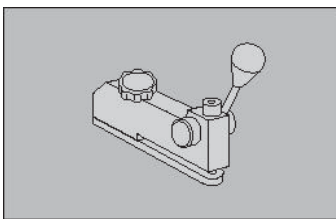


PUNCH HEADS



Description	Inline Multiple	Price	Traveling	Price	Quick Release
1/8" Round	3501	\$220	3701	\$310	
3/16" Round	3502	220	3702	310	3702K
5mm Round	3503	220	3703	310	3703K
1/4" Round	3504	220	3704	310	3704K
5/16" Round	3523	220	3723	410	
1/8" x 1/4" Horizontal	3511	235	3711	340	
1/8" x 1/4" Vertical	3512	235	3712	340	
3/16" x 1/4" Horizontal	3513	235	3713	340	
3/16" x 1/4" Vertical	3514	235	3714	340	3714K
5mm x 9mm Horizontal	3515	235	3715	340	
5mm x 9mm Vertical	3516	235	3716	340	3716K
3/16" x 3/8" Horizontal	3517	235	3717	340	
3/16" x 3/8" Vertical	3518	235	3718	340	3718K
1/4" x 3/8" Horizontal	3519	235	3719	340	
1/4" x 3/8" Vertical	3520	235	3720	340	3720K
10mm x 11mm Vertical Notch	3521	325	Heidelberg®		
5/16" x 7/16" Horizontal	3524	235	3724	340	
5/16" x 7/16" Vertical	3525	235	3725	340	
1/4" Round, 1/4" Round	3808	400	Ternes®		
1/4" x 3/8" Horizontal, 1/4" Round	3809	435	Ternes®		

SPECIALIZED / DEEP THROATED PUNCH HEADS



Special deep throated punch heads designed for punching film are available in 2" to 5" throat depths. These punch heads are precision machined from 1" thick cast aluminum tool plate and fitted with fully hardened steel punching components and bottom die section.

Deep Throat Punch Heads

Model	Description
3800	2" Throat Depth
3801	3" Throat Depth
3802	4" Throat Depth
3803	5" Throat Depth

When ordering, be sure to specify punch hole size and orientation.
Note: Deep throat punch heads for punching plate must be quoted from the factory.

REGISTER SYSTEM ACCESSORIES



Groove Fillers (To fill space in traveling track)

Model	Description
9501	3 1/2" Groove Filler
9502	6 1/2" Groove Filler
9503	9 1/2" Groove Filler

Register Stop Pegs

Model	Description
90120	Register Stop Pegs — Regular 1/4" Round

Vacuum Pumps

Model	Description
9513	Vacuum Pump 115V 60 cycle, 1/8 H.P. (includes foot switch & cord)
9516	Vacuum Pump, venturi style, Requires 70psi & 110V~ (includes foot switch & cord)

