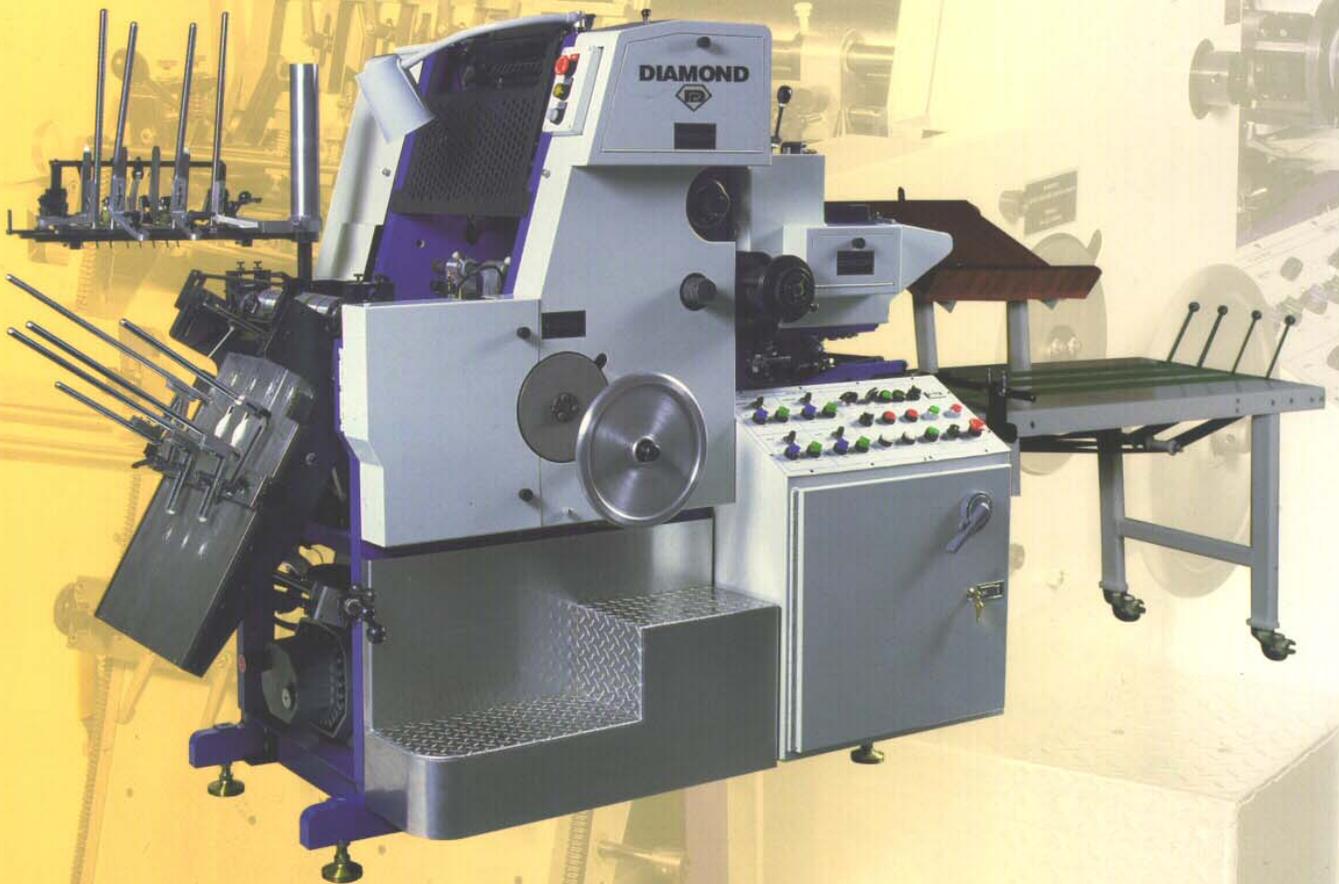


Faster. Stronger.
Bigger. Better.


DIAMOND
P7-13



DIAMOND  PRESS

Diamond outshines the competition.

Diamond outshines the competition.

The rugged, versatile Diamond high-speed envelope and specialty presses.

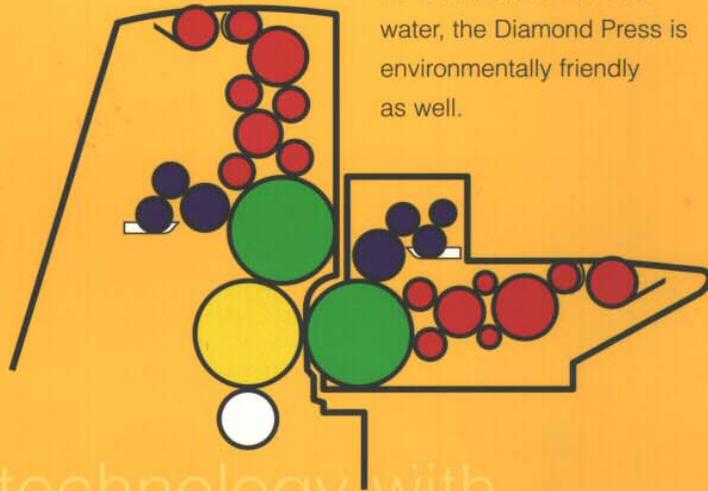
Printers are a demanding breed. Here's what you tell us you're looking for in a press. Durability, speed, quality, size, coverage, flexibility, and strength. And that's exactly what you'll find in the Diamond Press.

Diamond presses combine the best envelope printing technology with heavy-duty construction and record-breaking speeds to give you better print quality in a reliable, hard-working, yet user-friendly press.

Better Ink Coverage and Better Print Quality

Outstanding print quality has always been a hallmark of the Diamond Press. Its large ink roller system features two separate ink rollers and two oscillator rollers combined with an independently driven Diamond dampener for infinite ink and water balancing without alcohol. The result is greater ink coverage with sharper colors and the ability to lay solids over the entire image area. Seams and folds will not show through. And because the independent dampener prevents

contamination of ink and water, the Diamond Press is environmentally friendly as well.



The Diamond Mission

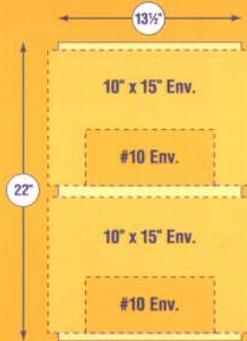
Our mission is to be the leading producer of printing presses for the envelope and specialty printing industries worldwide. To achieve this goal, Diamond presses are built to be the most durable, versatile and technologically advanced machines available.

Large Plates for Greater Productivity

Set-ups take time. But on a Diamond, one basic set-up (two images on a plate) lets you run the smallest stock up to 10" x 15" at speeds up to 35,000 per hour. No need to change pusher lugs, cams, tail lifters or timing. The same set-up lets you perfect at speeds up to 17,500 per hour by just changing the press cam.

Automated for Ease of Operation

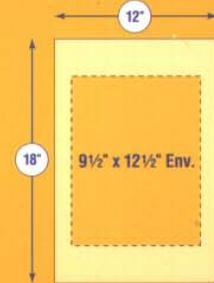
You'll find no handles or cables on a Diamond Press. Our Programmable Logic Control unit provides two-button start-ups, pneumatically engaging dampeners, ink forms, and impression cylinder. Change from one-up printing to two-up, and electronic timing is done by just flipping a switch. To separate batches of stock on the delivery table, just turn a dial and the belts speed up briefly every 500, 250, etc. envelopes or sheets.



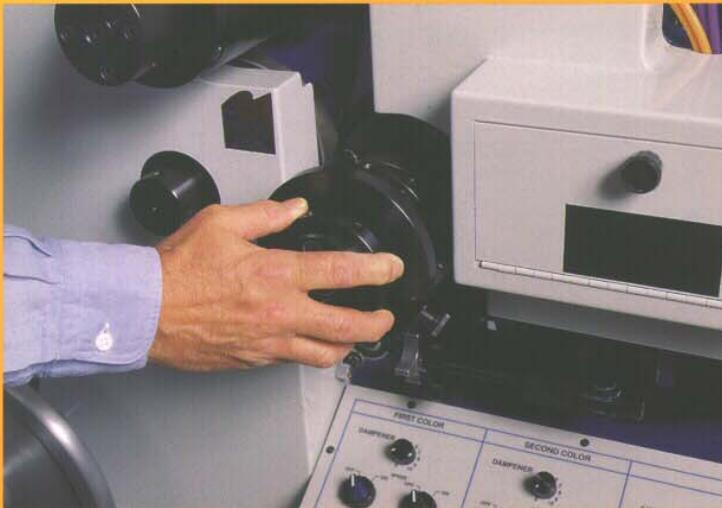
P7-13 Plate



P7-18 Plate



Halm Superjet Plate



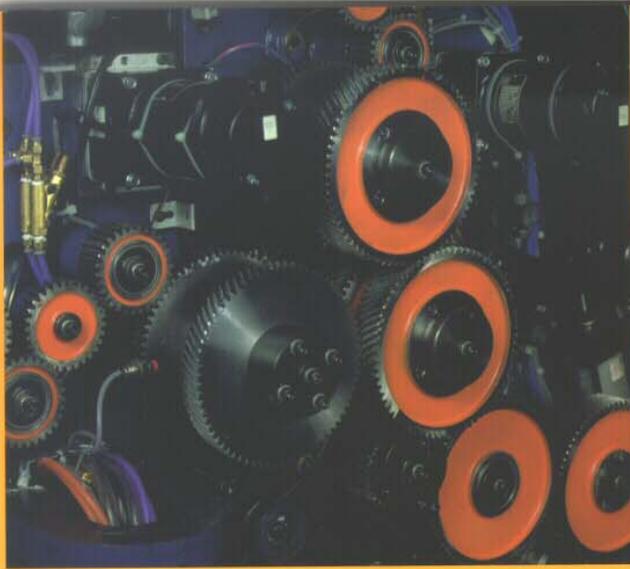
On-the-run registration

Other Unmatched Features

- ❶ On-the-run dialing of fine two-color registration
- ❷ Air stripper nozzles blow sheets off the blanket cylinder
- ❸ Push a button and the press is pneumatically lubricated with grease
- ❹ Switched electronic jogging in reverse or forward directions
- ❺ A built-in "mini-conveyor" carries each piece unshingled about three feet to a delivery table, thermography unit, dryer or jogger

Bigger. Better.

DIAMOND  PRESS

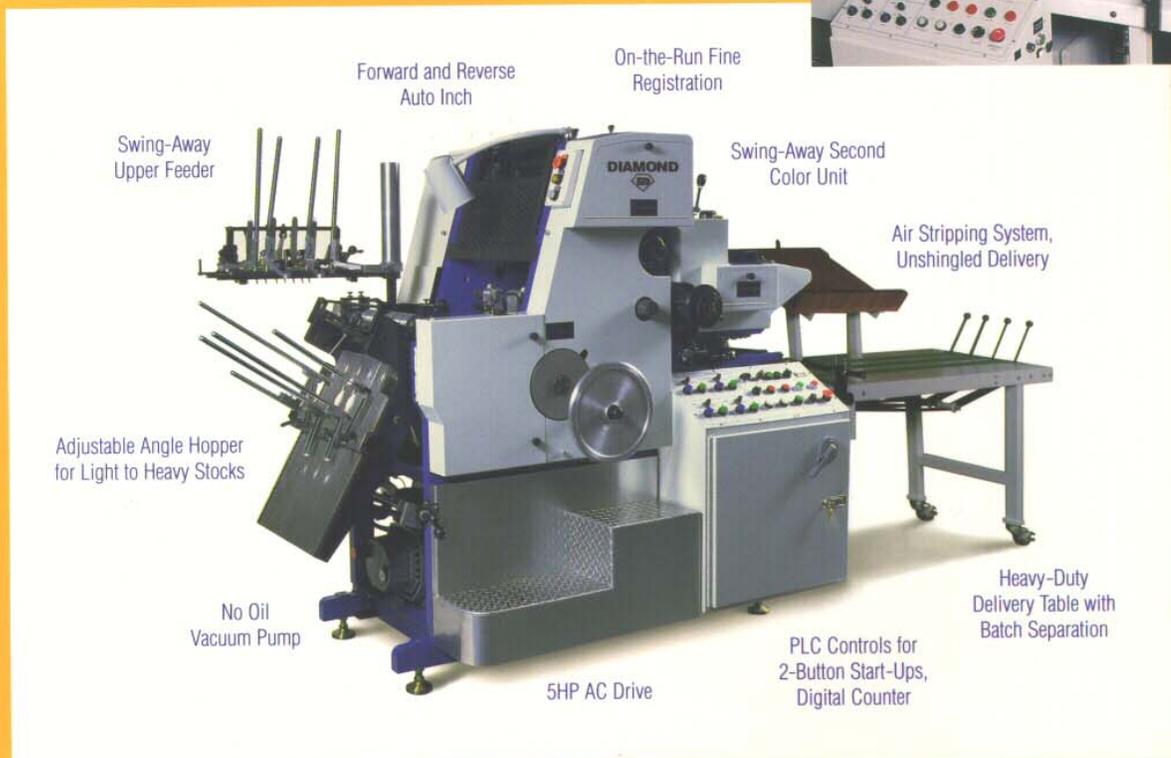


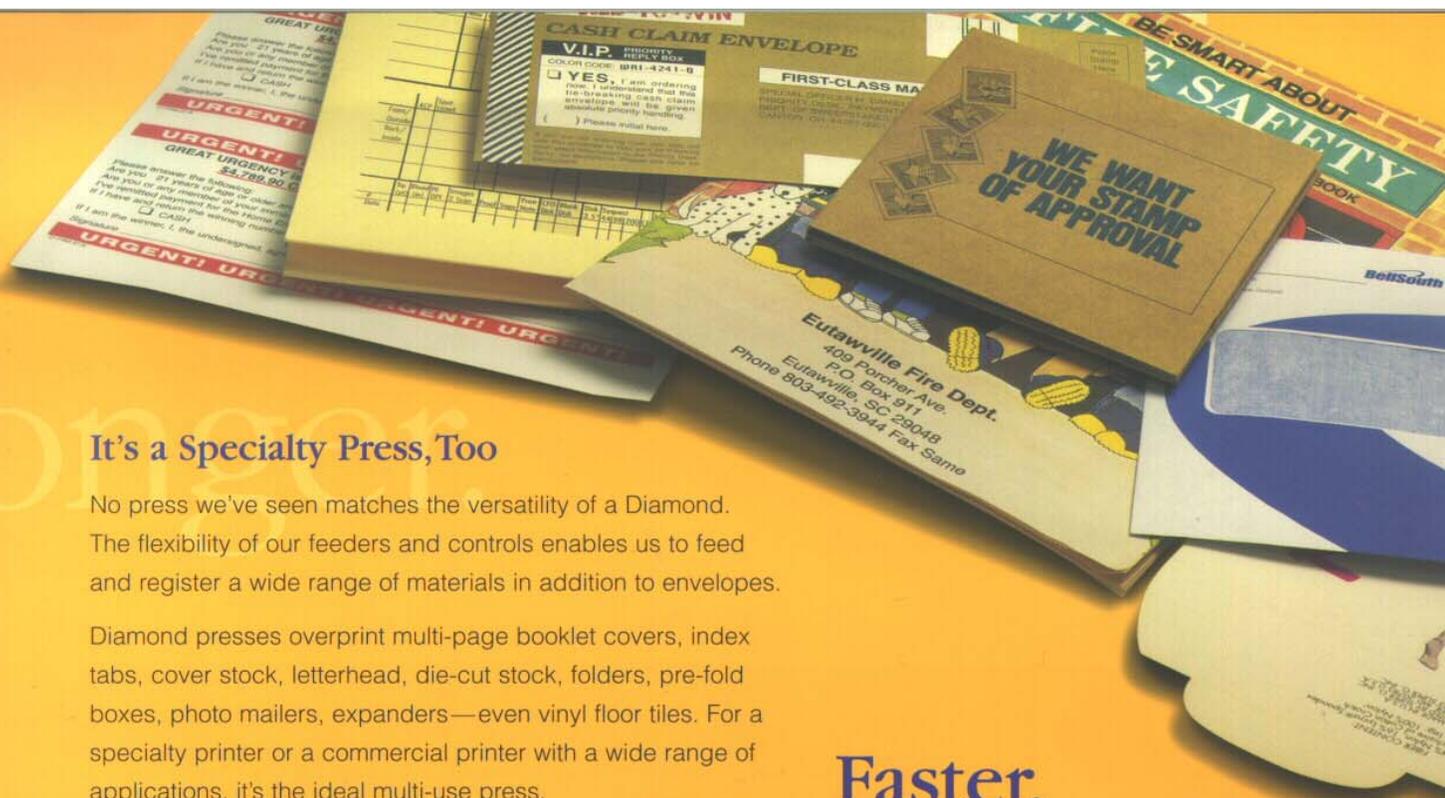
Designed for Durability

While other presses can be "grounded" by costly, frequent maintenance problems, the Diamond is designed never to need an overhaul. With its two-inch shafts, sealed bearings, seven-inch diameter helical drive gears, positive taperlock system and hardened chrome cylinders housed between 1-3/4" thick steel side-frames, the Diamond is a true work-horse. Yet it's easy to operate and easy to maintain. Push button grease lubrication and easily accessible parts make routine maintenance a snap.

Easy Access Throughout

Our swing-away second color unit, identical to the first, gives full access to both sides of each print head. There's no straining to adjust or replace rollers, or to hang plates and blankets. And all shafts swing out of your way, both in the infeed area and delivery. Rubber infeed wheels can be replaced in about 15 minutes.





It's a Specialty Press, Too

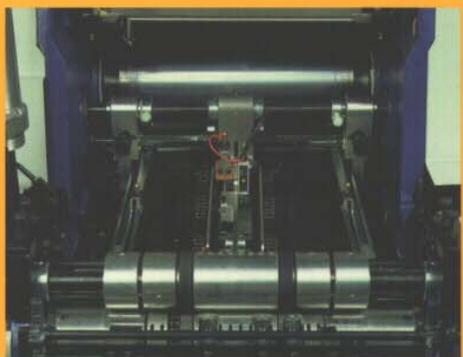
No press we've seen matches the versatility of a Diamond. The flexibility of our feeders and controls enables us to feed and register a wide range of materials in addition to envelopes.

Diamond presses overprint multi-page booklet covers, index tabs, cover stock, letterhead, die-cut stock, folders, pre-fold boxes, photo mailers, expanders—even vinyl floor tiles. For a specialty printer or a commercial printer with a wide range of applications, it's the ideal multi-use press.

How do we achieve this unusual versatility? We start with a stock hopper that adjusts its position for light to stiff, heavy stocks. Our large vacuum drum uses three interchangeable sucker plates for sheets, envelopes and heavy stock such as folders. And unlike a jet, the vacuum pops on and off firmly with each piece.

In the infeed area, our side register guides are individually dialed side to side, and the pusher lugs are also independently dialed. The result? We can register tightly, control die-cut stocks, or even feed off-center to print the edge of a large piece, or adjust for a pre-press error.

For thick, stiff stocks like photo mailers, E-flute board, and those vinyl floor tiles, Diamond offers an optional hopper with a push-feed system, which also serves as a standard envelope and sheet feeder.



Faster, Stronger, Better

Despite all the other claims, there's only one envelope and specialty press that can prove by its performance that it deserves to be number

one. Call today and get yourself a faster, stronger, better press—the **Diamond Press.**



Cool your jets!
 Here's why Diamond is better:

	Jet, SuperJet	Diamond
Two ink form rollers, two oscillator rollers	no	yes
Independently positioned pushers and side guides to feed die cuts or off-center jobs	no	yes
On-the-run registration	no	yes
Independent dampeners	no	yes
Mini-conveyor	no	yes
Pneumatically controlled rollers and cylinders	no	yes
Max. speeds	60,000/hr.	70,000/hr.
Image area (up to)	12" x 18"	18 1/2" x 20"
Runs 10" x 15" two up + perfected	no	yes
Built-in air stripper	no	yes
On/off vacuum	no	yes
Swing-away second color unit	no	yes
Two wash-up trays	no	yes
Total weight	2,000 lbs.	4,800 lbs.

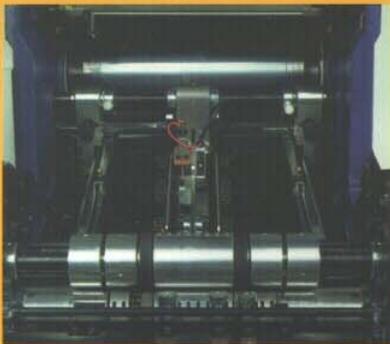
Satisfies your most pressing needs.



Diamond presses combine the best envelope printing technology with the unique ability to print much more than just envelopes.



envelopes > letterhead > die-cut stock > folders > expandable job files > photo mailers > report covers



We've designed an envelope/specialty press to handle everything from the most conventional envelope runs to more unusual jobs like index tabs, die-cut stock, folders, pre-fold boxes, photo mailers, expanders — even vinyl floor tiles!

It is the most advanced press of its kind, with a multitude of innovations, including:

- 1 Swing-away second color unit
- 2 Large die plates for larger-formatted products
- 3 Automated operation, such as two-button startups and running registration
- 4 Better ink coverage and outstanding print quality through heavy roller power and impression control
- 5 High durability—virtually maintenance free
- 6 Easy access throughout
- 7 User-friendly design

Specifications

Press Model	P7-13	P7-18
Image area	13 1/2" x 20"	18 1/2" x 20"
Perfects up to (four-side bleed)	13 1/2" x 10"	18 1/2" x 10"
Maximum size	17" x 20"	22" x 20"
Colors	2/2	2/2

Maximum Speeds

1-up & 1-up 2-color perfecting	17,500 i.p.h.	17,500 i.p.h.
2-up & 2-up 2-color perfecting	35,000 i.p.h.	35,000 i.p.h.
4-up	70,000 i.p.h.	70,000 i.p.h.



Call today and get yourself the press that is setting new standards for productivity and flexibility—the Diamond Press.

Curtius

CURTIVS TRADING, INC.



index tabs > extra-large envelopes > packaging/POP materials > promotional items > vinyl floor tiles