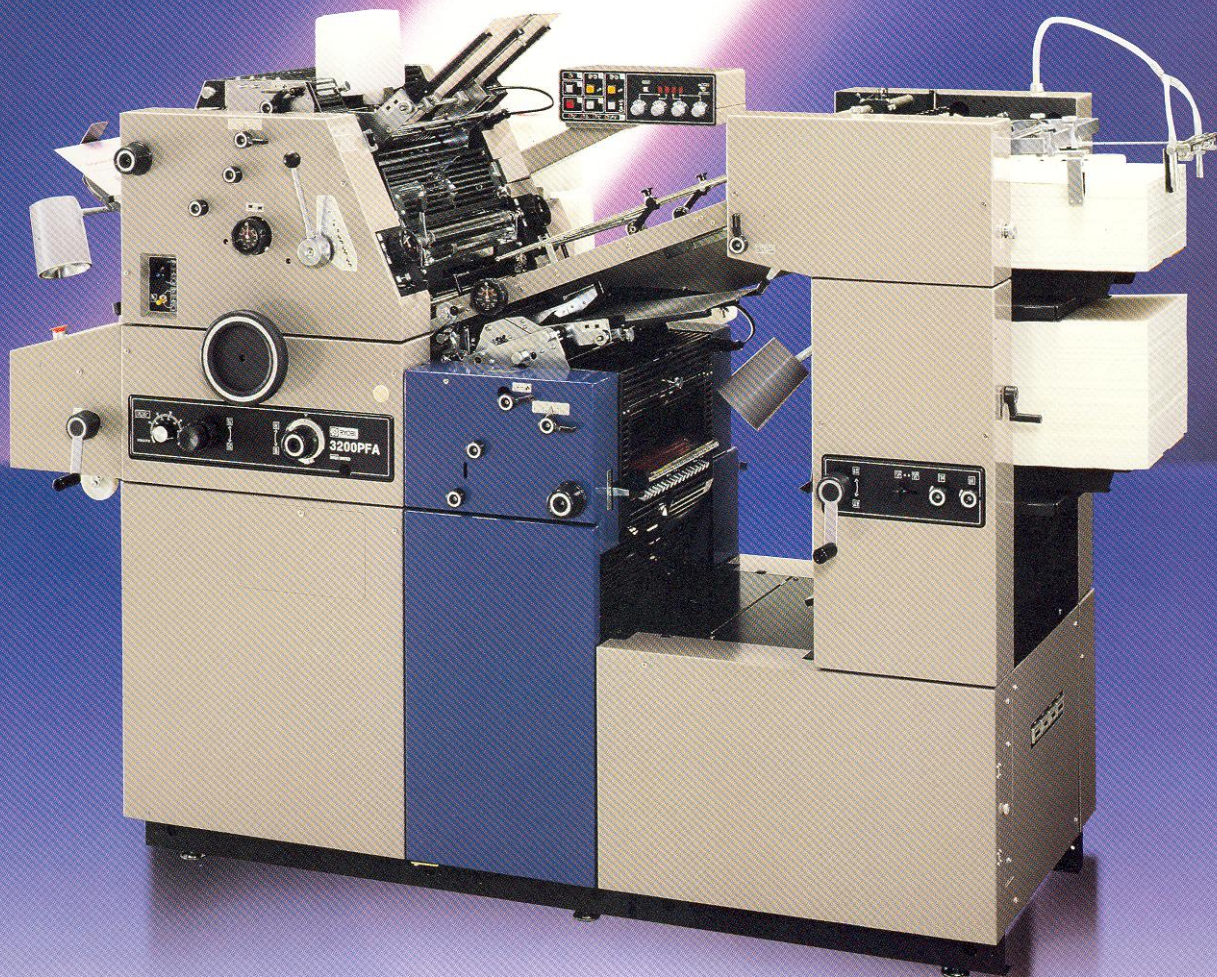


RYOBI

Ryobi 3200 PFA

Innovative Features Make it
the Productivity Leader in Offset Perfectors

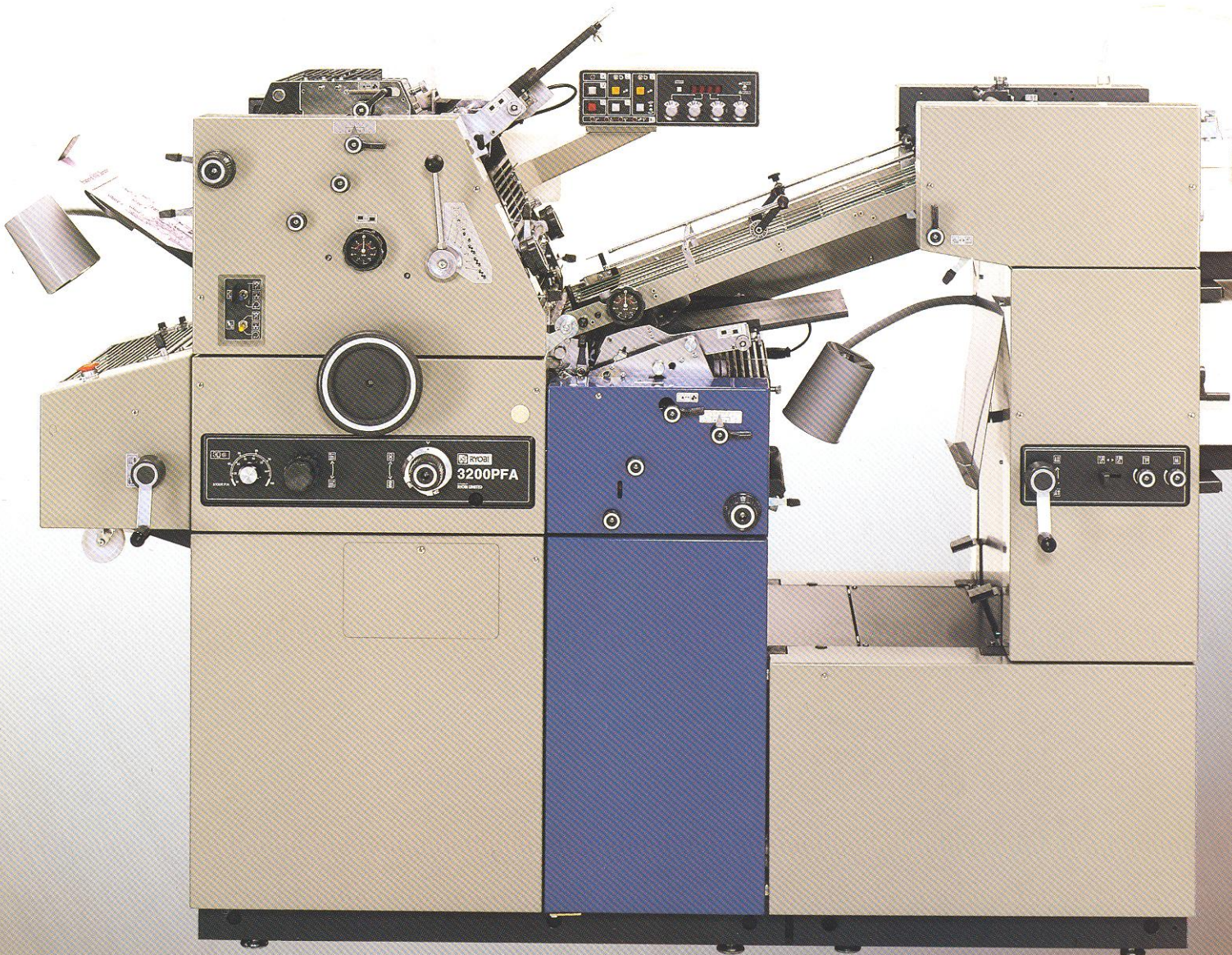
PERFECTOR



The pictures in this brochure show some optional accessories.

The Ryobi 3200 PFA — the high-efficiency blanket-to-blanket offset perfecter with automated features and quick registration system

Today's printing industry must be able to respond to the fast-paced needs of clients for short-run production jobs in a hurry. The Ryobi 3200 PFA offset perfecter is designed to meet the needs of printers for high efficiency and ease of operation in a highly automated perfecter. The Ryobi 3200 PFA can print both sides of the full A3 size, or full 11X17 inch size sheet simultaneously at top speeds of 10,000 sheets per hour. Quick and easy image registration on both sides of the sheet is accomplished simply by turning dial knobs. The Ryobi 3200 PFA offers high speed, superb quality, and significant savings in cost and time.

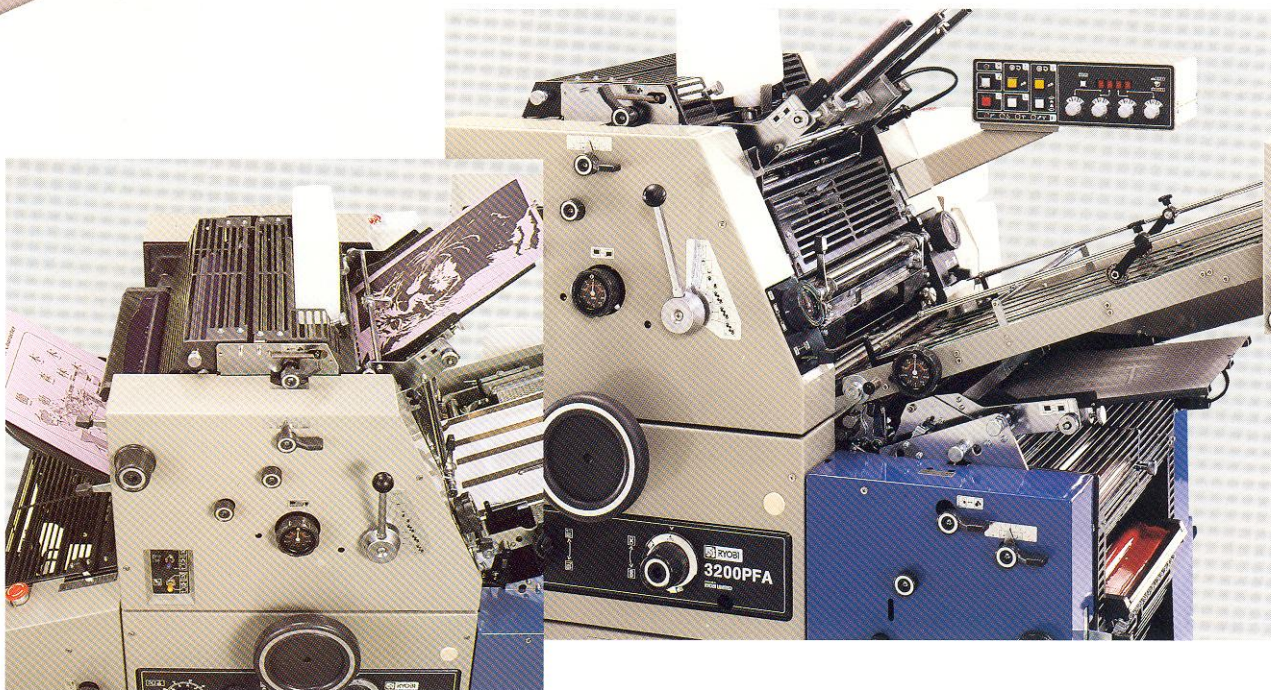


Simple Operation Controls for Exceptional Ease of Use



Convenient Operation Panel

All important commands can be conveniently controlled from the operation panel including the 4-digit preset/repeat dial counter, blanket cleaning, single-side printing, master eject, and end cycle. In addition, trouble monitoring lamps indicate the exact cause of printing problems.



Automatic Master Insertion & Ejection

Insertion of the paper master is performed automatically in the printing sequence controlled by the operating lever. A wide variety of straight-edged paper masters can be used on the 3200PFA.

When the preset number of copies has been printed, the paper master is ejected and blanket cleaning is performed automatically.

Quick Registration System

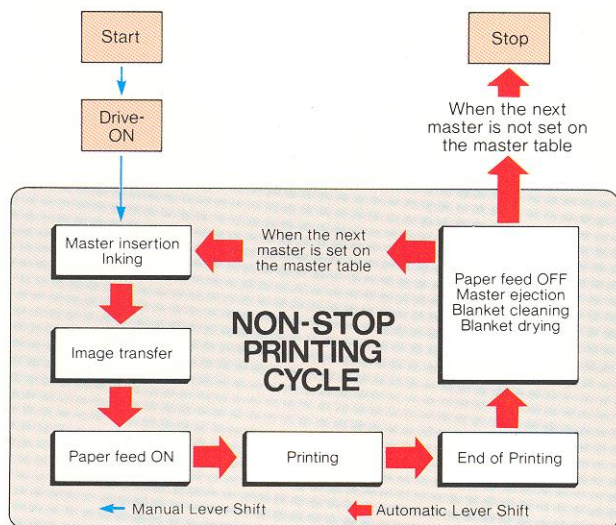
Four dial knobs placed on the outside of the machine let you perform lateral and vertical image adjustments without using tools. This unique registration system eliminates the time-consuming task of micro-adjustment of the image position on both sides of a sheet.

Pre-piling of Sheets

This time-saving pre-piling system allows the next batch of sheets to be piled on the lower feed table while sheets are being fed from the upper feed table. Almost continuous feeding is possible, boosting efficiency for large volume jobs.

Innovative features set the Ryobi 3200 PFA apart!

Single Lever Control with Non-Stop Printing Cycle



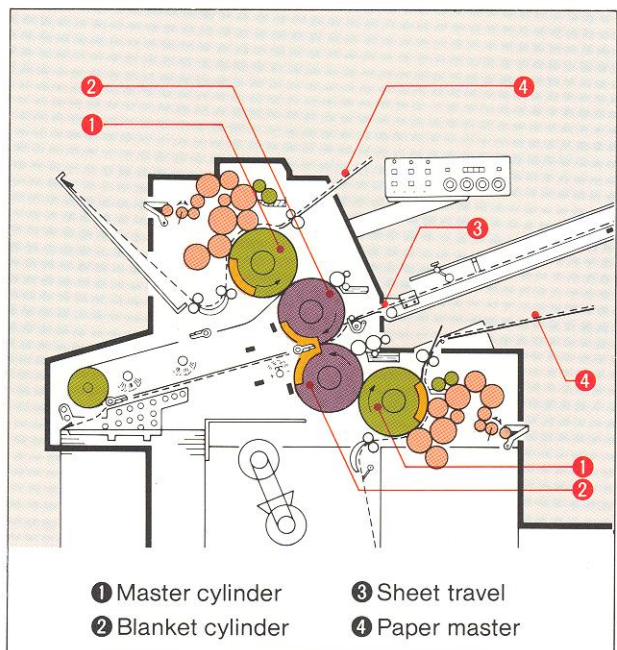
A built-in microcomputer enables automated, single lever operation. While the machine is running, simply place the next paper master on the master table and set the number of copies to be printed.

The 3200PFA will then automatically start the next job without interruption. In automatic mode, the inking, image transfer, and blanket cleaning cycle can all be preset according to the plate material and image layout. This automated system provides efficient make-ready for the operator and further boosts the productivity of the perfecter, particularly when doing both-side publication work requiring numerous plate changes.

When the operator needs to maintain careful control over the printing operation, for example, when printing with metal plates, he or she can switch off the automatic mode and control each printing process manually. The scheme of automation (paper feed stop, blanket cleaning and drying, and machine stop after the preset number of copies has been printed) remains valid even when controlling the printing manually.

Blanket-to-Blanket Perfecting

The 3200PFA is a blanket-to-blanket perfecter, printing both sides of the sheet simultaneously as the sheet passes between the two blanket cylinders. The direct chain delivery mechanism is combined with the blanket-to-blanket perfecting system. The sheet delivery gripper held in the upper blanket cylinder grabs a sheet from the feeder board and carries the printed sheet straight through to the delivery pile. This simple, straightforward mechanism requires minimal installation space, and offers accurate, reliable, high-speed printing with excellent efficiency and cost-effectiveness.



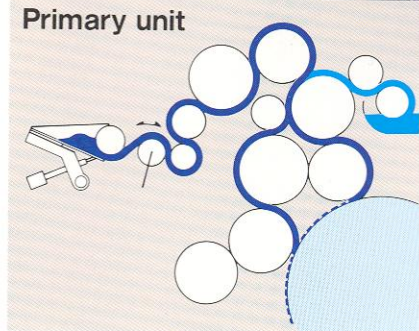
Solid Construction for High Productivity & Superb Versatility

Large Inking Capacity

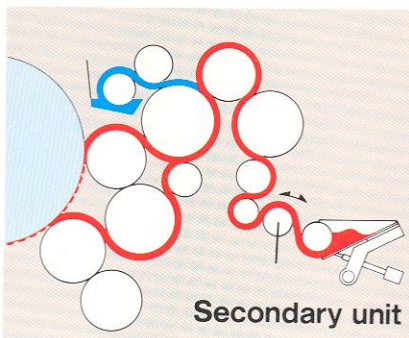
A total of 14 rollers, including 2 form rollers with different diameters (times 2 sets for both sides of a sheet), ensure uniform ink distribution for good printing quality.



Primary unit



Ink Ductor Roller is designed to separate from ink fountain roller automatically as soon as paper feeding is stopped.



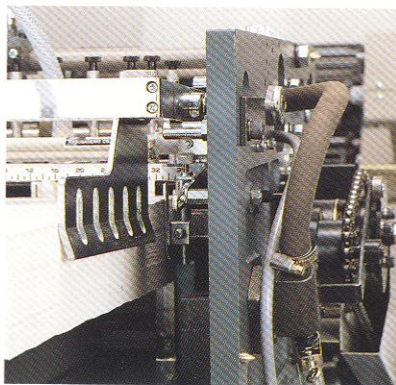
Secondary unit

Printing with Metal Plates



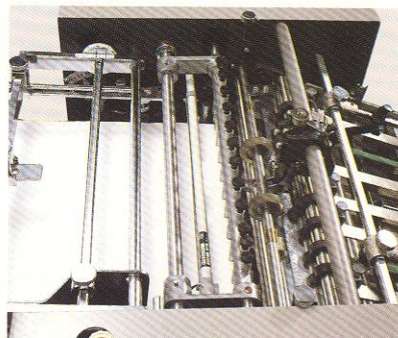
The plate clamping device is equipped with a pin bar clamp for manual loading of metal plates. (Removal of the automatic paper master insertion unit is a snap when loading metal plates.)

Solid Construction

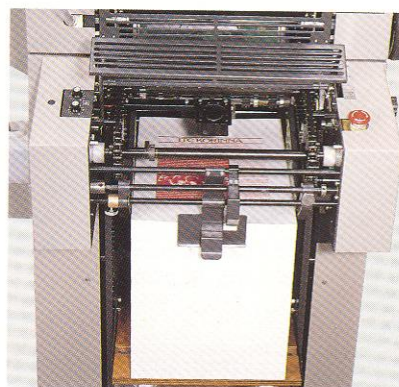


Chrome-plated steel cylinders and heavy-duty cast side frames reduce vibration and noise. Rigidity and strength ensure mechanical accuracy and long, trouble-free operating life while reducing service and maintenance costs.

Reliable Paper Feed & Delivery Mechanisms



The universal feeder plus blowers ensure stable paper feed of stock ranging in thickness from 0.04 to 0.3 mm. Side guides and blowers can be quickly adjusted to changes in stock size and thickness.



The delivery mechanism has been carefully designed for positive sheet delivery at printing speeds of 10,000 sheets per hour. Delivery air blowers, a big side-jogger, and automatic pile lowering device ensure accurate sheet piling. (The picture includes the optional electric delivery fan for thin stock.)

Safety Covers

Operator safety is the most important part of Ryobi's human-engineering design approach. Safety covers are provided for all rotating parts.

SPECIFICATIONS

	Ryobi 3200PFA
Paper Size (Max.)	340 × 450 mm (13.39 × 17.72")
Paper Size (Min.)	90 × 130 mm (3.54 × 5.12")
Paper Thickness	0.04 ~ 0.3 mm (0.0016 ~ 0.012")
Printing Area (Max.)	305 × 427 mm (12.01 × 16.81")
Printing Speed	3,000 ~ 10,000 S.P.H. Local conditions, ink and stock types, and printing quality required will affect the maximum printing speed.
Plate Size	323 × 472 mm (12.76 × 19.37")
Plate Type	Pin bar type, 25 holes, 12.7 mm (0.5") pitch
Plate Width (Max.)	326 mm (12.83")
Blanket	Quick set blanket with aluminum bars on both ends
Feeding System	Universal feeder
Feeder Pile Capacity	440 mm (17.32")
Feeder Pile System	Pre-pile system
Delivery System	Chain delivery
Delivery Pile Capacity	670 mm (26.38")
Registration System	Push guide
Number of Rollers	14 (form rollers: 2) (times 2 sets for both sides of a sheet)
Dampening System	Aquamagic flow (integrated ink and water system)
Gripper Margin	10 mm (0.394")
Vertical Image Adjustment (Max.)	± 20 mm (0.79")
Power	Mono phase 115V 60Hz 16A
Wattage	1.6 kW
Motor Wattage	Main drive: 750W, Pump: 400W
Dimensions (L × W × H)	2,000 × 980 × 1,560 mm (6' 7" × 3' 3" × 5' 1")
Net Weight	900 kg (1,984 lbs.)
Shipping Weight and Volume	1,125 kg (2,483 lbs.) 5.4 m ³

ACCESSORIES

Standard Features and Accessories	<ul style="list-style-type: none"> • Automatic paper master insertion • Automatic paper master ejection • Automatic blanket cleaning and drying • Non-stop printing with multiple paper masters <ol style="list-style-type: none"> (1) Vertical and lateral image micro-adjustment dial on cylinders (2) Double sheet detector (3) Paper feed trouble detector (4) Blanket jam detectors (5) Preset repeat counter (5. digit) (6) Automatic ink ductor ON/OFF control devices (7) 0:1 warning lamp (8) Static eliminator (9) Print counter (grand total impression counter, non-resetable) (10) Quick set blanket (11) Delivery table dolly lower limit switch (12) Safety covers (13) Emergency stop button (14) Ink roller clean-up attachments (15) Work lamps (16) Roller boxes (17) Oil pan (18) Additional delivery table (19) Delivery air blowers
Optional Items and Accessories	<ol style="list-style-type: none"> (1) Feeder back blower (2) Card guide (3) Plate counters (resetable) (4) Machine counter (non-resetable) (5) Powder spray device (6) Tape inserter (7) Electric delivery fan (8) Plunger can

- Design and specifications are subject to change without notice.
- Specifications may differ slightly depending on the country.
- This offset press contains all the features included in U.S. patent number 4132167 and 49 other worldwide patents already granted or in process.



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