RYOBI.

RYOBI 750 series

754 / 754P / 755 / 755P / 756 / 756P

B2-Size Multi-Color Offset Presses

reddot design award
winner 2003

Fast Job Switchover, High Profitability

Two key points for increasing a printing company's profitability are reducing time loss when switching jobs and maintaining consistently high printing quality.
These needs are effectively met by a new generation of multi-color offset presses - the RYOBI 750 series, which has been enthusiastically received around the world.
The RYOBI 750 series' advanced automation, digitally controlled quality control system, smooth CIP4 (PPF) prepress compatibility and other outstanding features shorten make-ready time and enable total control of the printing environment for consistently high print quality.
The RYOBI 750 series also creates new business opportunities by flexibly handling special colors and varnish coatings.
The ideal solution for today's rapidly growing trend toward diverse small-lot printing - the RYOBI 750 series!

Superior productivity through labor-saving automation

Total control of printing quality from prepress to press

Compatible with a wide range of paper, from thin to heavy stock

Numerous innovative mechanisms for high-speed, high-quality printing

5th, 6th color and coating units
for increased productivity and added value

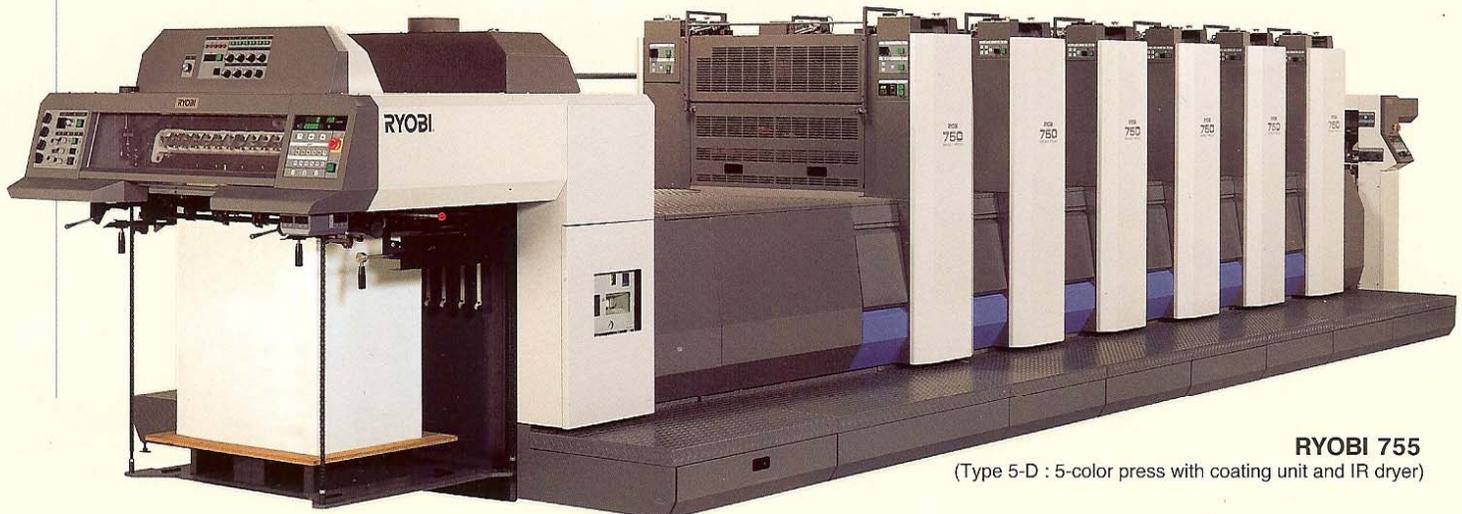**A fully automatic convertible perfecting device for quick change**

Environmentally friendly design and production system

RYOBI 750 series

RYOBI 754/754P
B2-Size 4-Color Offset Press

RYOBI 755/755P
B2-Size 5-Color Offset Press

RYOBI 756/756P
B2-Size 6-Color Offset Press

RYOBI 755
(Type 5-D : 5-color press with coating unit and IR dryer)

The RYOBI PCS-G Printing Control System provides centralized control for efficient job switchover while maintaining high printing quality.

RYOBI PCS-G Printing Control System

Greatly Shortens Make-Ready Time

The whole operation flow from make-ready through printing can be centrally controlled using the touch panel of the RYOBI PCS-G Printing Control System, greatly shortening make-ready time for changing the paper, cleaning, registration adjustment, color tone adjustment, water volume adjustment, and other tasks when switching jobs. The result is superb operating efficiency for diverse small-lot printing. The press can also be used as a proofer.

■ Make Ready Time

Time	Task
About 1 min. 30 sec.	Feeder and delivery guides preset, pull side guide preset, impression pressure preset
About 30 sec.	Feeder board setting (suction tape feeder)
About 1 min	Blanket cleaning (automatic blanket cleaning device)
About 3 min	Plate changing (Semi-RPC)
About 1 min.	Ink volume adjustment (RYOBI Program Inking)
About 30 sec.	Registration adjustment (Plate register remote control)
About 2 min	Color tone adjustment (RYOBI PDS)

Total make ready time About 9 min. 30 sec.*

Conditions
- Using RYOBI 754
- With paper change [from 382 x 542 x 0.3 (t) mm to 765 x 542 x 0.13 (t) mm]
- With image change
- Using optional paper size preset
- Using optional Ink Volume Setter
- Using optional RYOBI PDS
- Using optional impression pressure preset

*This is the make-ready time measured by Ryobi's technical staff.
The actual time will vary according to the printing conditions, printing environment, and operator experience.
(Time required for changing the feeder and delivery pile boards is not included.)

RYOBI Semiautomatic Plate Changer

The RYOBI semiautomatic plate changer comes as standard equipment and allows plates to be changed quickly and accurately. The operator merely sets the plate on the positioning pins and presses the button. A plate bending device is unnecessary as there is no need to bend the leading edge or the tail edge of the plate. This automated system allows easy reuse of the stored printing plate and can handle polyester-based plates as well as metal plates. Plus, lateral image inaccuracy that may occur due to paper stretching can be adjusted with the fanout clamp.

RYOBI Semiautomatic Plate Changer Semi-RPC

Plate Register Remote Control Device (vertical, lateral, diagonal)

The plate register remote control device quickly makes precise adjustments of the image position. This system allows the operator to make minute vertical, lateral and diagonal image position adjustments at the delivery side. Adjustments can be made in increments of 0.01 mm within a range of ±1.0 mm* vertically, ±2.0 mm laterally and ±0.20 mm diagonally (at maximum printing area).

*754P/755P/756P: ±2 mm

RYOBI RP740-425 AUTO High-Precision Register Punch (option)

The RYOBI RP740-425 AUTO uses a pair of CCD cameras to scan for registration marks exposed on the plate. It then automatically adjusts the vertical, lateral and diagonal direction of the plate and punches holes in the plate to match the image position. Accurate, efficient punching further assures the accuracy of the RYOBI semiautomatic plate changer. The RYOBI RP740-425F, a manual-type punch, is also available.

Automatic Cleaning Devices

The various automatic cleaning devices of the RYOBI 750 series [automatic blanket cleaning device, automatic impression cylinder cleaning device (option), automatic ink roller cleaning device (option)] reduce the time and effort involved in cleaning and changing colors, reducing the burden on the operator. The RYOBI PCS-G Printing Control System at the delivery side of the press allows the operator to turn each device ON and OFF, as well as select the cleaning pattern according to the degree of cleaning required.

Automatic blanket cleaning device

Paper Size and Impression Pressure Presets (option)

The RYOBI 750 Series allows the operator to enter preset values for paper size and thickness using the touch-panel display. Positions of the feeder head and delivery section guides as well as pull guides can be preset. Plus, an impression pressure preset system is also available.

Note: The pull guide preset system comes as standard equipment. Feeder head preset, delivery section preset, and impression pressure preset systems are available as options. (The impression pressure preset system includes program-controlled impression cylinder cleaning function.)
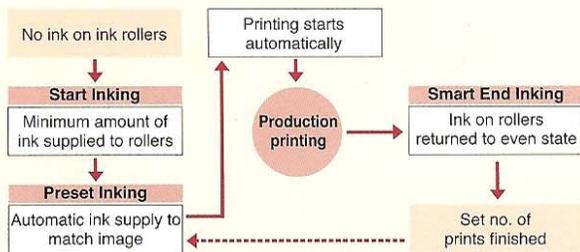
Creating a digital workflow is the key to total control of printing quality.

At Ryobi, we believe that the key to success in tomorrow's printing industry will be the creation of a digital workflow in which speedy job switchover, consistently high printing quality, smooth CTP integration, and related processes are achieved with maximum efficiency by eliminating wasted time and labor.
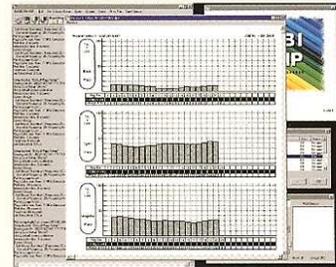
RYOBI Program Inking for Quick Printing Setup

RYOBI Program Inking automatically supplies ink to the ink rollers to match the image with the very minimum trial sheets.
After the set number of prints are finished, the ink on the rollers is automatically restored to an even state, allowing the operator to proceed quickly to the next job.

```
No ink on ink rollers          Printing starts
                               automatically
        ↓
   Start Inking                              Smart End Inking
Minimum amount of        Production      Ink on rollers
ink supplied to rollers   printing       returned to even state
        ↓                                        ↓
   Preset Inking
Automatic ink supply to                    Set no. of
match image                                prints finished
```

Examples of Ryobi Program Inking's Effectiveness

```
Density
              Program Inking
Target density
                    Manual color tone adjustment

              Shortens time and reduces wasted sheets    Number of
                                                         sheets
```

Using Pre-Press Data Reduces Time and Effort in Making Color Adjustments

Image area ratio data is calculated by Ink Volume Setter software (option) using the PostScript data created on Macintosh[1] and Windows[2] computers and then converted by using the RYOBI PCS-G Printing Control System to preset the ink fountain keys. Plus, with Ink Volume Setter-CIP4(PPF) software (option), image area ratio data can be calculated from PPF files. Making effective use of pre-press data can dramatically reduce the labor involved in adjusting ink fountain keys prior to production printing. Data from DEMIA[3] (Device for Measuring Image Area of Plate) can also be used with the RYOBI PCS-G.
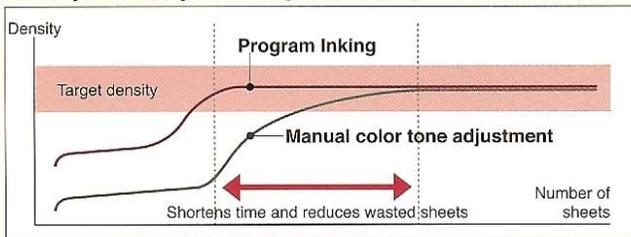
*1 Macintosh is a registered trademark of Apple Computer, Inc.
*2 Windows is a registered trademark of Microsoft Corporation in the United States and other countries.
*3 DEMIA is a trademark of Dai Nippon Printing Co., Ltd.

Ink Volume Setter Calculating Screen
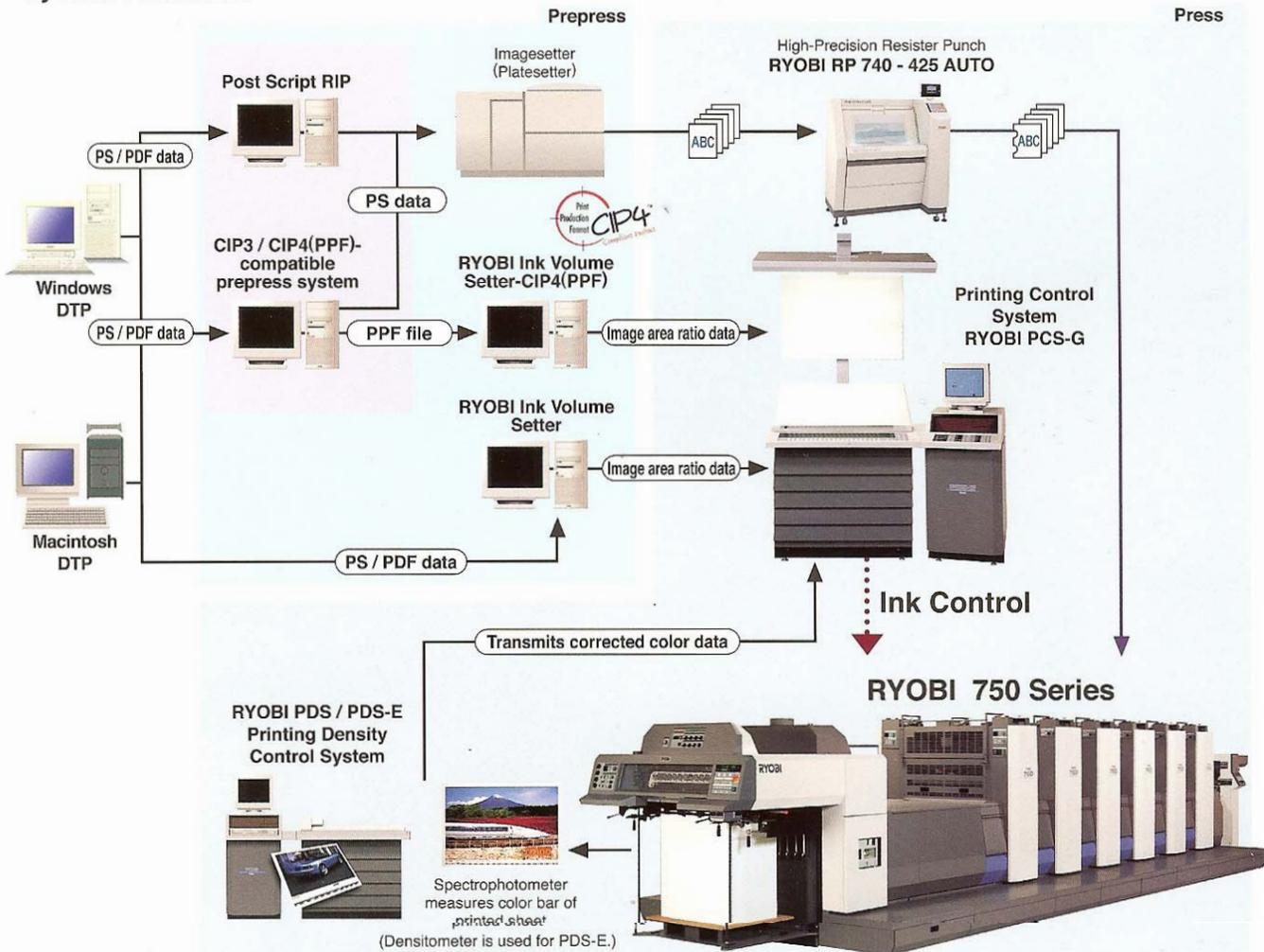
Print Production Format CIP4™ Compliant Product

RYOBI PDS (option), PDS-E(option)
Controls Values for the Highest Quality Printing

The RYOBI PDS Printing Density Control System measures the color bar of the printed sheet using special sensors in a spectrophotometer (densitometer is used for PDS-E). Values needed to correct color densities to match those of the OK sheet are calculated and provided as feedback to the RYOBI PCS-G which, in turn, makes appropriate adjustments in the openings of the ink fountain keys. Quality control that previously relied on human experience and intuition is now done using precise numerical values, contributing to consistent printing quality.

RYOBI PDS - E

System Flowchart

Prepress

Press

Post Script RIP

PS / PDF data

Imagesetter
(Platesetter)

High-Precision Resister Punch
RYOBI RP 740 - 425 AUTO

PS data

CIP3 / CIP4(PPF)-
compatible
prepress system

Windows
DTP

PS / PDF data

PPF file

RYOBI Ink Volume
Setter-CIP4(PPF)

Image area ratio data

**Printing Control
System
RYOBI PCS-G**

RYOBI Ink Volume
Setter

Image area ratio data

Macintosh
DTP

PS / PDF data

Transmits corrected color data

Ink Control

RYOBI 750 Series

RYOBI PDS / PDS-E
Printing Density
Control System

Spectrophotometer
measures color bar of
printed sheet
(Densitometer is used for PDS-E.)

Flexibly Handles a Wide Range of Paper, From Thin to Heavy Stock.

A single press can flexibly handle a wide range of paper,
from very thin invoice slips to fliers, brochures, labels and tickets, art books,
catalogues, posters, as well as thicker paper such as for cover and package printing.
The press is also able to feed paper sizes up to 750 x 600mm* for even greater versatility.

*Physically, up to 788 x 600mm stock can be fed. The maximum paper size that can be fed will vary according to the printing
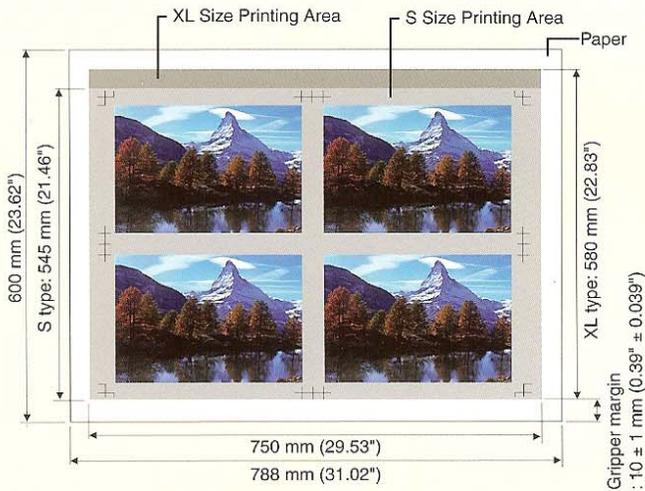conditions, printing environment, type of paper, and other factors.
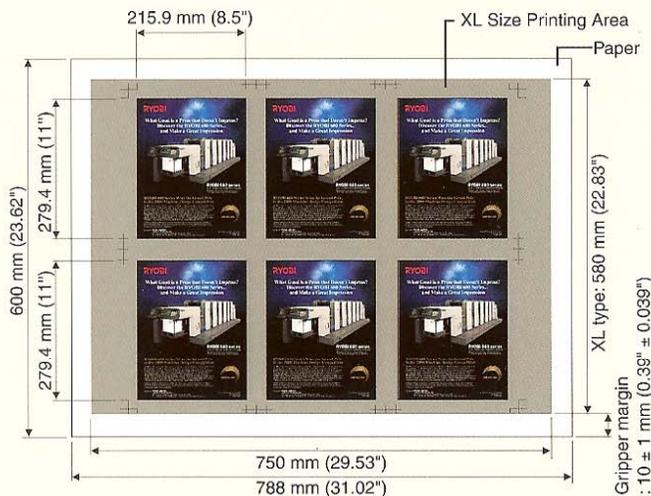
Wider Paper Size for More Utility

The RYOBI 750 series comes in two types: the S type press which offers a maximum printing area of 750 x 545 mm (29.53" x 21.46"), and the XL type press with a maximum printing area of 750 x 580 mm (29.53" x 22.83"). The XL type allows 6-up printing of 8.5" x 11" letter-size. A major advantage is that both type presses accept a maximum paper size of 788 x 600 mm (31.02" x 23.62")* enabling a wider range of printing applications.

*The maximum paper size that can be fed will vary according to the printing conditions, printing environment, type of paper, and other factors.

### Maximum printing area of the RYOBI 750 Series

XL Size Printing Area — S Size Printing Area — Paper

600 mm (23.62")
S type: 545 mm (21.46")
XL type: 580 mm (22.83")
Gripper margin : 10 ± 1 mm (0.39" ± 0.039")

750 mm (29.53")
788 mm (31.02")

When printing 6-up of 8.5" x 11" letter-size (for XL type press only)

215.9 mm (8.5") — XL Size Printing Area — Paper

279.4 mm (11")
279.4 mm (11")
600 mm (23.62")
XL type: 580 mm (22.83")
Gripper margin : 10 ± 1 mm (0.39" ± 0.039")

750 mm (29.53")
788 mm (31.02")

Suction Tape Feeder Board

The suction tape feeder board simplifies the setting of the brush and runner wheels and shortens the time required for changing paper sizes. The suction belt holds the paper securely and feeds it smoothly to the front lay.
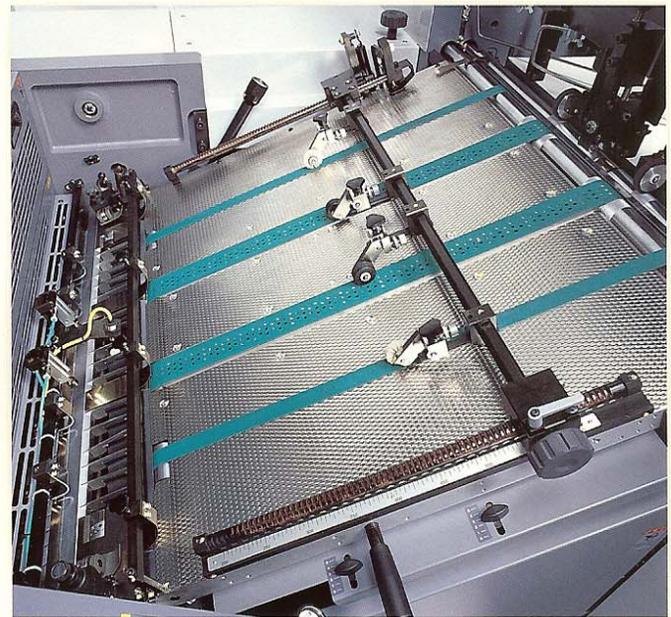
Suction Tape Feeder Board

Ultrasonic Type Double Sheet Detector

Features an ultrasonic type double sheet detector as standard equipment. An ultrasonic signal from the transmitter passes through the paper, and the attenuation rate of the ultrasonic wave is measured to detect with high precision any double-sheet feeding of film, thick paper, etc.

Stable Sheet Piling

A decurling device, an air blower and suction wheels driven by an independent motor, all boost sheet piling performance when printing at high speeds.

Various Innovative Mechanisms Guarantee High-Quality Printing

A double-diameter cylinder system minimizes the number of gripper changes, significantly reducing printing problems during sheet travel.
The cylinders' large curvature ratio assures stable quality even for heavy stock, while the single-train ink roller arrangement provides superb response to ink volume adjustments.
Reliable sheet transport from the feeder section to the delivery section helps to ensure stable, high-quality printing.
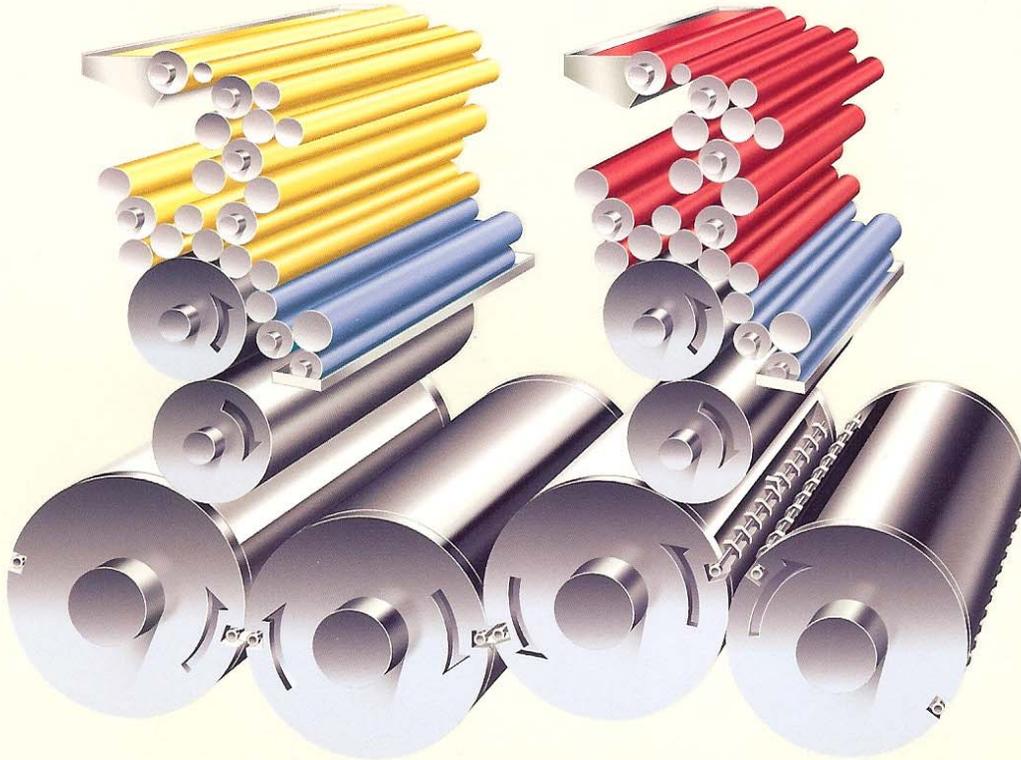
Double-Diameter Printing Mechanism

The printing unit consists of a double-diameter impression cylinder and a double-diameter transfer drum.
These cylinders, which have a large curvature ratio, transport paper with minimum flapping, providing stable paper transport even when printing on heavy stock.

Superior Inking Performance

An optimum ink roller configuration designed by computer analysis assures stable ink supply and superb response to ink volume adjustments. The motor-driven ink fountain rollers are programmed to automatically operate in synchronization with the speed of printing, enabling a stable supply of ink at any operation speed.

## High-Speed Infeed Mechanism

By utilizing an underswing and drop-away front lay infeed system in the registration section, high registration accuracy is maintained even during high-speed operation at 15,000 sheets per hour. Pull guide suction wheels and front lay blower that guide paper up to the front lays contribute to high registration accuracy.

Grippers for Reliable Sheet Transport

Ryobi succeeded in increasing the gripper width while reducing gripper weight. The result is a further increase in durability and reliability. Ryobi also utilizes cam-closed and double sprung gripper mechanisms which employ torsion bars on all gripper shafts. Achieving reliable sheet gripping, whether at low or high speeds, results in consistent registration accuracy.
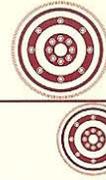
High Mechanical Durability and Precision

To cope with market demand for shorter delivery times for printed materials, we have made press durability a top priority. The use of cylinders supported by ultra-precision bearings, precision induction-hardened helical gears, and special cast-iron side frames which offer solid support to these components-all ensure the highest durability and accuracy over the long term, even at high operating speeds of 15,000 sheets per hour.
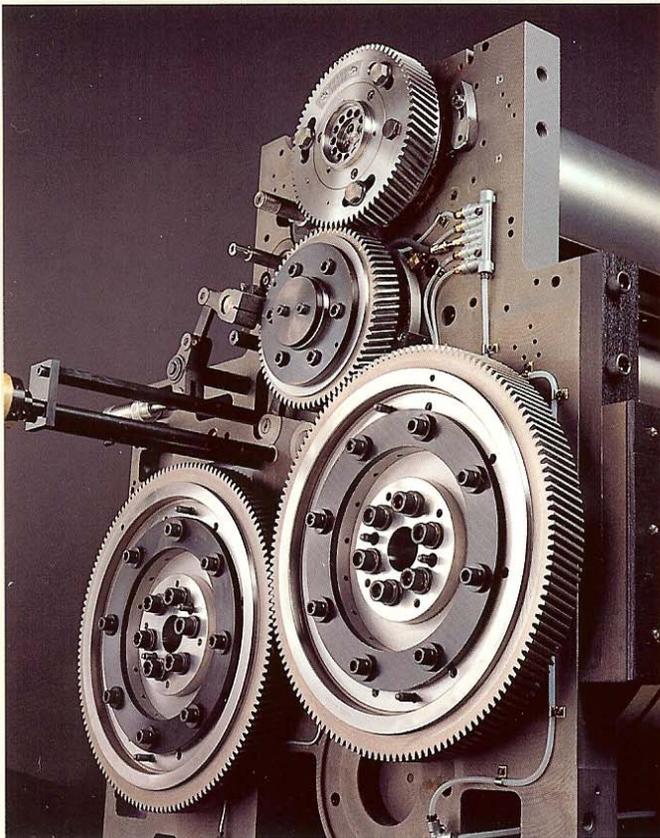
Highly precise and durable helical gears

Ink Roller Temperature Control System (option)

By circulating temperature-controlled water (warm water and cold water) inside the oscillating rollers and fountain rollers, roller temperature is maintained at the optimum level. Minimum variations in ink roller temperature ensure consistent print quality, even during long print runs.

RYOBI AAC Aqua Automatic Control System

The dampening section features the RYOBI AAC Aqua Automatic Control System, which further enhances the performance of the RYOBI-matic continuous dampening system. A high-precision "aqua-film sensor" monitors the aqua film thickness on the plate surface and automatically controls the water fountain roller speed to maintain the optimum dampening supply volume set by the operator. The RYOBI AAC significantly reduces the need to adjust the dampening supply volume.

RYOBI AAC Aqua Automatic Control System

Note: Sufficiently grained surface is needed on metal plates for efficient use of the RYOBI AAC system. For more information, please ask your dealer.

RYOBI-matic Continuous Dampening System

The RYOBI-matic continuous dampening system assures a uniform dampening supply on the plate surface to reproduce sharp halftone dots, glossy solids and finely detailed text.
Starting is quick and is designed to minimize wasted sheets.Switching between integrated mode and separated mode from the touch-panel display is easy, in order to exactly match the image and characteristics.

The "RYOBI-matic-D" Continuous Dampening System with Hickey Removing Function (option)

This dampening system substantially reduces hickeys on plates by adopting a new drive mechanism for the water form roller that creates a rotational speed difference between the water form roller and plate cylinder. This system enables almost nonstop press operation by greatly reducing the need to remove hickeys from plates.

5- and 6-Color Printing and an Inline Coating Unit Boost Productivity and Add Value.

**RYOBI 750 series also offers 5- and 6-color presses.
An inline coating unit further boosts productivity and adds value by enabling application of aqueous or UV varnish coating.**

Fifth and Sixth Color Printing Enhance the Visual Effect of Printed Materials

Fifth- and sixth-color printing units can print custom colors and supplemental colors, including gold, silver, fluorescent and opalescent inks. They easily handle spot-color printing for logos or company names which use specialty inks. By using supplemental colors, these units demonstrate their worth in high-end printing jobs such as pamphlets or art books, which require a strong visual effect with greater detail.
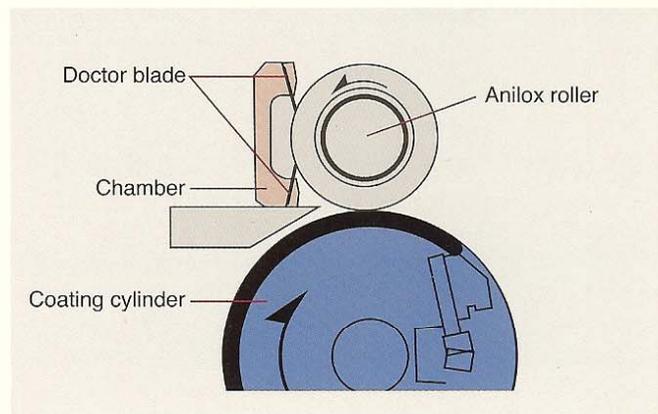

Coating unit

Open Type Doctor Blade Coating System
### (Standard on models with coating unit)

Models with coating units are standardly equipped with the widely acclaimed open type doctor blade system found on the RYOBI 520HXX Series and 680 Series. High quality coating is ensured by the simple coating mechanism, which consists of an anilox roller, a coating cylinder and a coating doctor blade.
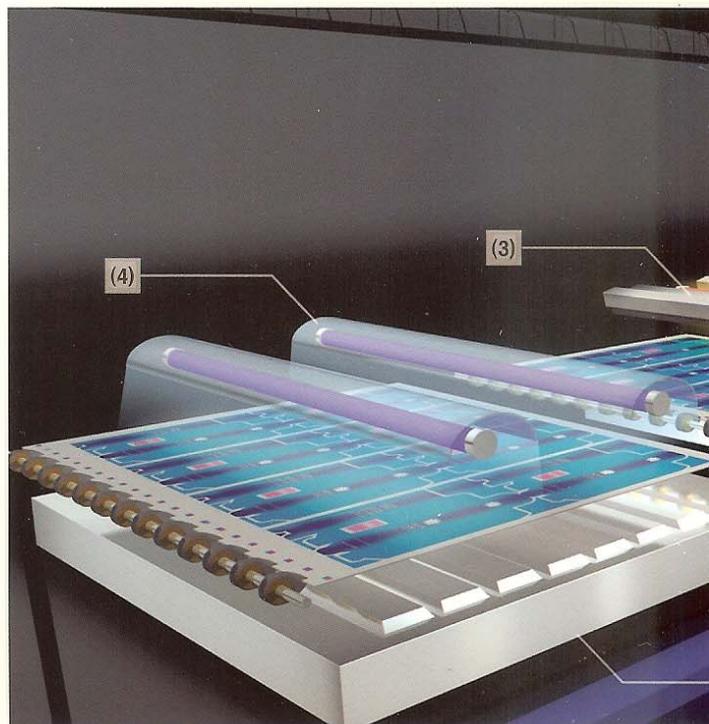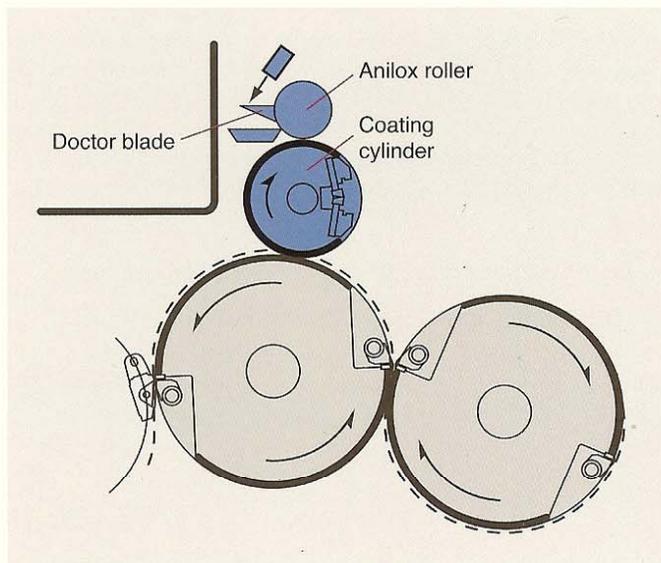
Chamber Type Doctor Blade Coating System
(option)

The coating unit of RYOBI 750 Series presses can also be equipped with an optional chamber type doctor blade coating system, which ensures high quality coating by providing a consistently uniform coating supply. The system features automatic setup and cleaning functions that give operators touch-screen control over setting up and cleaning the coating circulation system. This greatly reduces the time needed for startup, completion, and coating changes — setup requires only about 2 minutes and cleaning is completed in about 6 minutes.
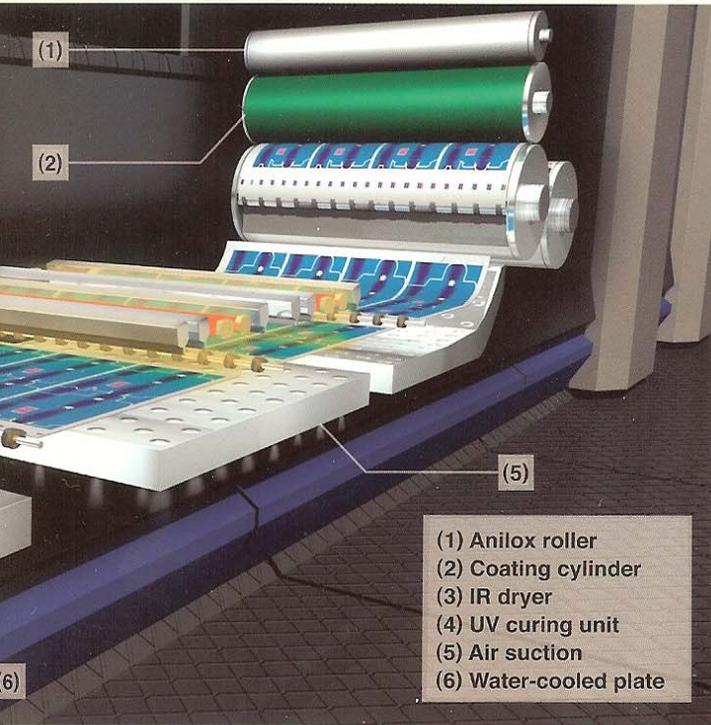
(1) Anilox roller
(2) Coating cylinder
(3) IR dryer
(4) UV curing unit
(5) Air suction
(6) Water-cooled plate

Coating unit and dryer systems

Retractable Coating Unit Design

When the varnish coating system is not being used, the entire coating cylinder and anilox cylinder can be easily slid upward at the touch of a button to prevent marking on the sheet. Then, a safety guard between the main press unit and coating cylinder allows maintenance work (such as cleaning the coating cylinder or mounting brackets) even while the press is in operation. This enables faster switchover to the next printing job.
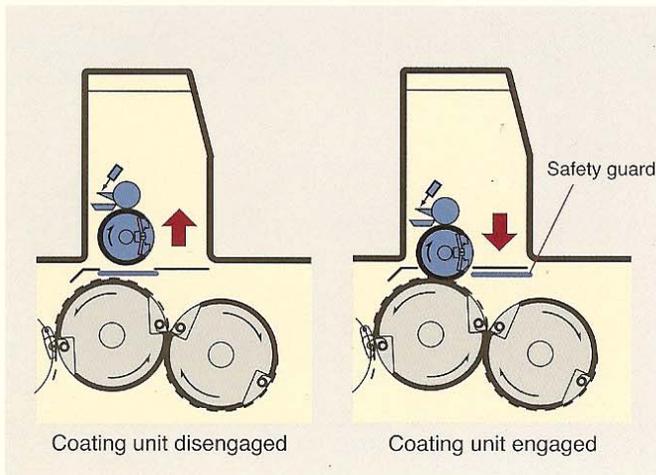

Safety guard

Coating unit disengaged   Coating unit engaged

Spot Coating Using Nylon Plates

The universal clamp can accommodate either a blanket with an aluminum bar or a nylon plate attached to a metal plate, thereby enabling spot coating as well as overall coating. During printing the device enables easy adjustment of the coating position vertically, laterally or diagonally, greatly simplifying spot coating.

Spot coating using nylon plates

Choice of Three Delivery Systems to Match Drying Systems

The delivery section comes in three types: semi-long delivery and long delivery, both of which can be equipped with a dryer, and standard delivery. Drying aqueous coatings is done with a system that uses a combination of heat from an infrared dryer as well as heated and ambient air knives. The infrared dryer and the air knives can be adjusted to provide optimum drying of inks and coatings, and deliver ample drying capacity even during high-speed operation.

A UV curing unit can be built into the press for applications such as printing that demands quick drying times and glossy printing.

Ryobi's Fully Automatic Convertible Perfecting Device Boosts Productivity

The perfecting device on the Ryobi 745P, 755P, and 756P can be converted between straight printing and perfecting fully automatically, boosting productivity by significantly reducing time loss for the mode change. Moreover, perfecting is possible at a rate of 15,000 sheets an hour, one of the fastest in the industry.

Fully Automatic Convertible Perfecting Device

Switching between straight printing and perfecting can be performed remotely from the delivery side via the RYOBI PCS-G Printing Control System. The operator simply inputs the paper size and selects a printing mode from the touch panel display. Various perfecting device settings switch automatically to match the paper size. These include the open/close timing of the grippers on the storage drum and turning drum, the position of the paper tail edge suction mechanism, and the phase of the turning drum and storage drum. Thanks to this fully automatic device, switchover operation can be finished within 2 minutes without using any tools, contributing to minimum time loss for the mode change.

Convertible perfecting switchover monitor on the PCS-G touch-panel display

Straight printing

Perfecting

Turning drum
Storage drum
Paper tail edge suction mechanism
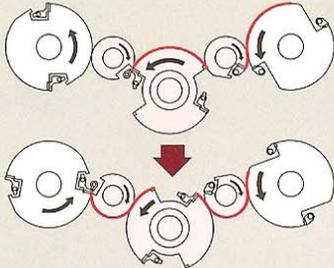
Paper tail edge
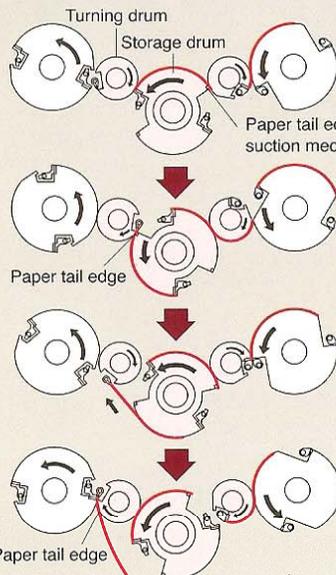
Paper tail edge

The paper leading edge is gripped during paper transfer on cylinders.

① The paper tail edge suction mechanism holds the paper tail edge onto the storage drum.

② The grippers on the storage drum grip the paper tail edge.

③ The grippers on the turning drum rotate and reverse the gripped sheet.

④ The sheet is transferred to the next impression cylinder.
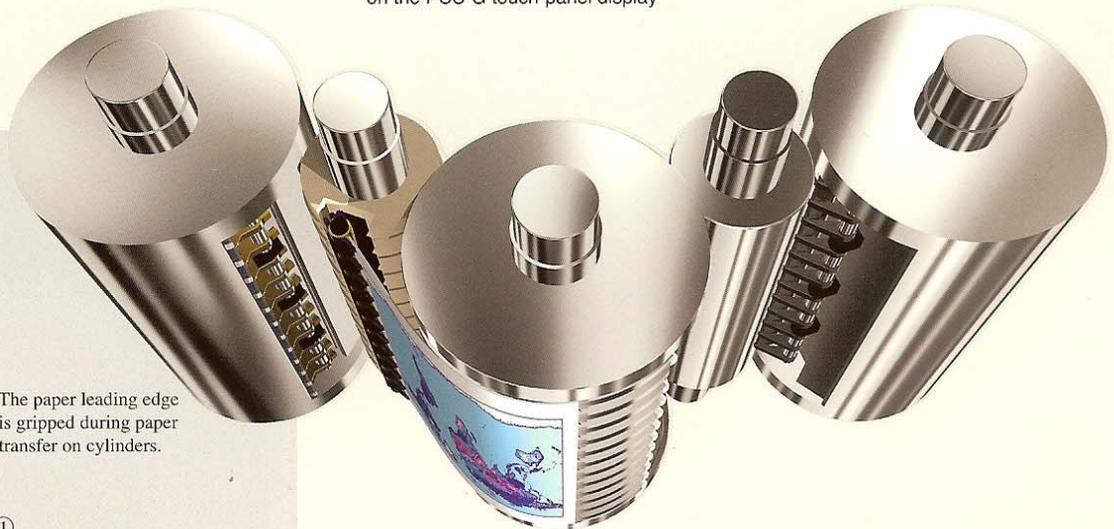
Mechanical configuration   RYOBI 754P (type 4-E)

Air blower

UV curing unit   IR dryer

Water-cooled plate   Air guide plate
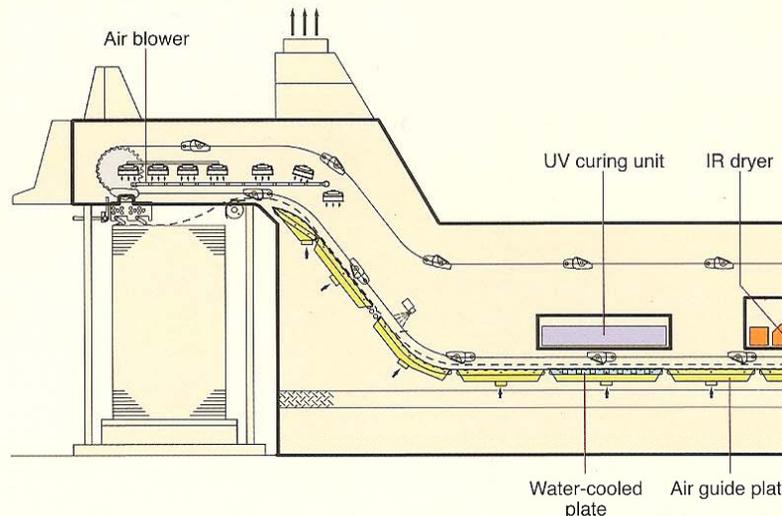
High-Speed 15,000 S.P.H. Printing

The storage drum is equipped with a paper tail edge suction mechanism, which uses air suction to pull the paper tail edges. Rotating suckers tightly hold the paper tail edges and pull them both lengthwise and laterally to accurately transfer paper from the storage drum to the turning drum. This advanced system enables perfecting at 15,000 S.P.H. maximum while maintaining stable printing quality.

Paper tail edge suction mechanism

Features that Support High-Quality Printing

The impression cylinders that follow the convertible perfecting cylinder use a jacket with a specially processed surface. This prevents damage that may occur on the back side of paper, guaranteeing superb print quality even when perfecting. The impression cylinder jacket is highly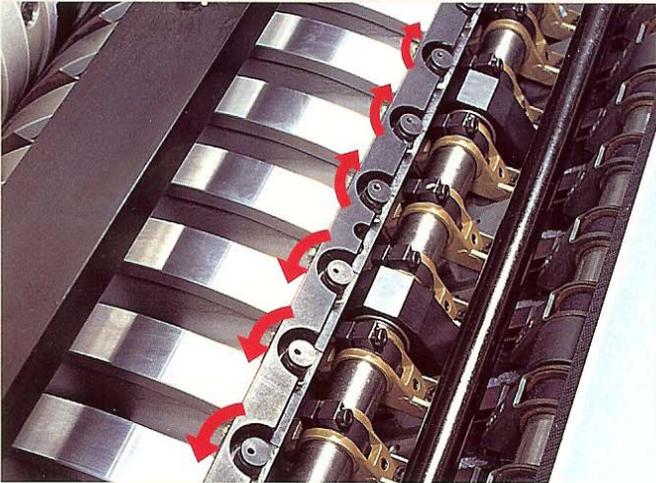 durable, allowing it to withstand long periods of hard use. The air guide plate in the delivery section underneath the paper path prevents the back side of the sheet from being damaged. Air blown from the air guide plate enables the sheets to be delivered without touching the delivery section, further ensuring consistent printing quality.

Interdeck UV Curing Unit

An interdeck UV curing unit can be installed over the convertible perfecting device without extending the press length. With this configuration, back-side printing is quickly dried by the UV curing unit and the sheet is then turned over for front-side printing, preventing the ink from staining the impression cylinder. Moreover, printed sheets quickly dried by the UV curing unit can move directly to a post-printing process such as bookbinding without any time loss.

Coating cylinder

Anilox roller

Interdeck UV curing unit

Automatic impression cylinder cleaning device

Automatic ink roller cleaning device

Automatic blanket cleaning device

Transfer drum

Turning drum

Storage drum
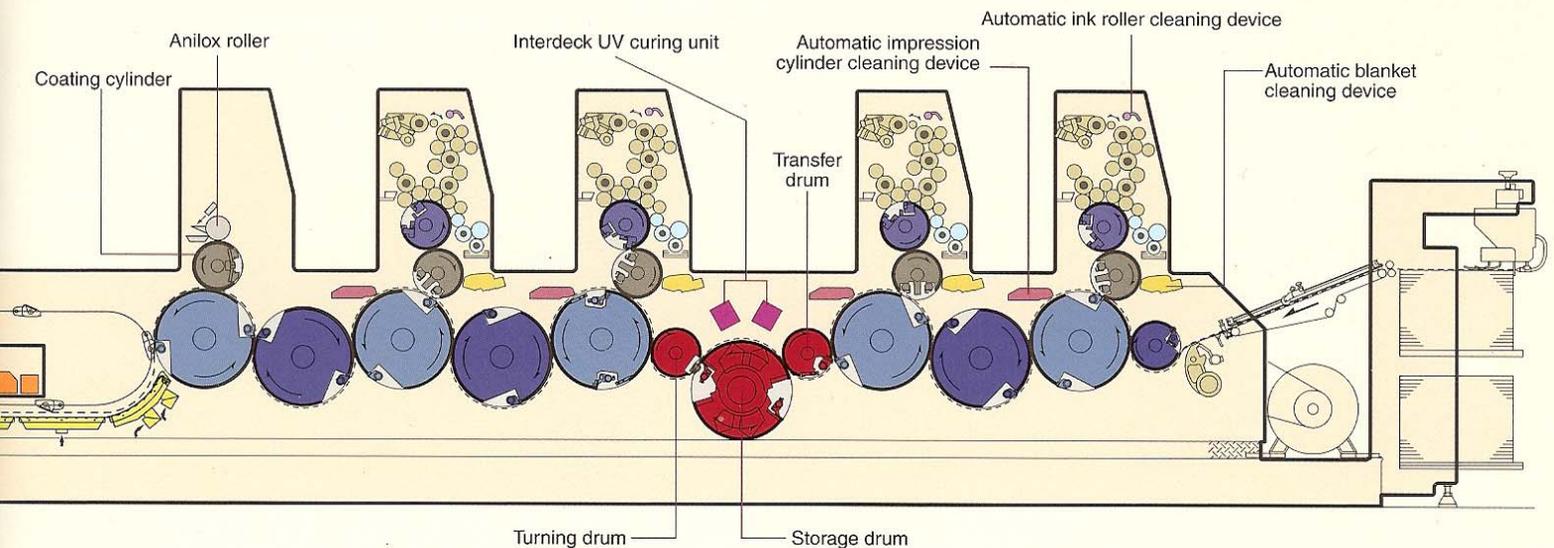
Full Product Lineup Meets Diverse Needs

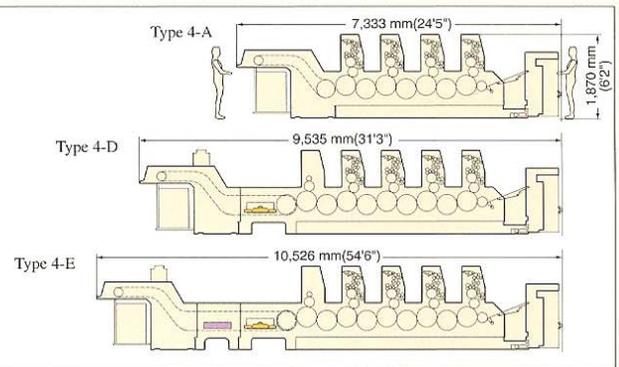| Type[1]	Number of printing units	Coating unit	Delivery type			Dryer		Mechanical side view
			Standard	Semi-long	Long	Infrared dryer	UV curing unit	

RYOBI 754 Combination Chart

Type[1]	Number of printing units	Coating unit	Standard	Semi-long	Long	Infrared dryer	UV curing unit	Mechanical side view
4-A	4	—	●	—	—	—[2]	—[2]	
4-B	4	△	—	●	—	○[3]	○[3][4]	
4-C	4	△	—	—	●	○	○	
4-D	4	●	—	●	—	○	—	
4-E	4	●	—	—	●	○	○	

Type 4-A 7,333 mm(24'5") 1,870 mm (6'2")
Type 4-D 9,535 mm(31'3")
Type 4-E 10,526 mm(54'6")

RYOBI 755 Combination Chart

Type[1]	Number of printing units	Coating unit	Standard	Semi-long	Long	Infrared dryer	UV curing unit	Mechanical side view
5-A	5	—	●	—	—	—[2]	—[2]	
5-B	5	△	—	●	—	○[3]	○[3][4]	
5-C	5	△	—	—	●	○	○	
5-D	5	●	—	●	—	○	—	
5-E	5	●	—	—	●	○	○	

Type 5-A 8,219 mm(27')
Type 5-D 10,421 mm(34'2")
Type 5-E 11,412 mm(37'5")
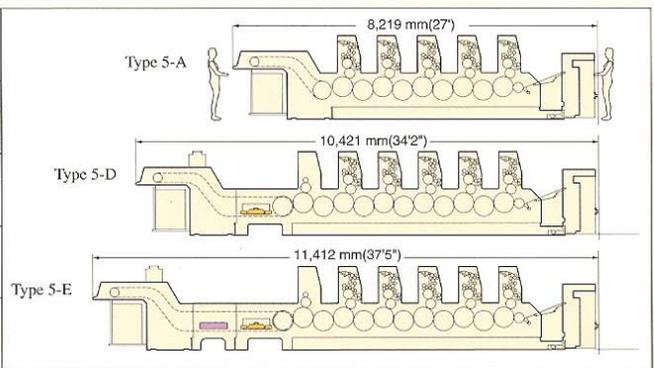
RYOBI 756 Combination Chart

Type[1]	Number of printing units	Coating unit	Standard	Semi-long	Long	Infrared dryer	UV curing unit	Mechanical side view
6-A	6	—	●	—	—	—[2]	—[2]	
6-B	6	△	—	●	—	○[3]	○[3][4]	
6-C	6	△	—	—	●	○	○	
6-D	6	●	—	●	—	○	—	
6-E	6	●	—	—	●	○	○	

Type 6-A 9,105 mm(29'1")
Type 6-D 11,307 mm(37'1")
Type 6-E 12,298 mm(40'4")
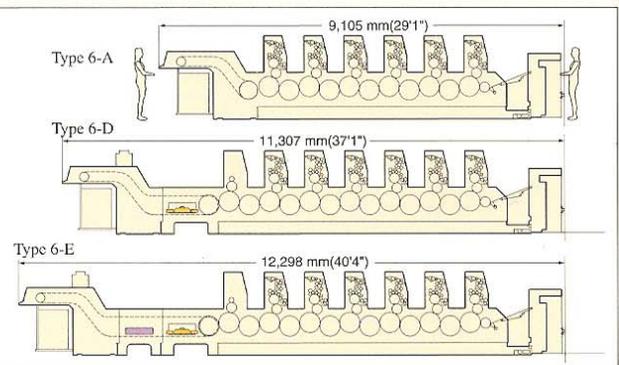
[1]: Each is available in both an S type and XL type. Combinability is the same for both types.
The maximum printing area is 750 (W) x 545 (L) mm for the S type and 750 (W) x 580 (L) mm for the XL type.

[2]: A drying unit is not provided for standard delivery models. In addition to the drying unit shown above, special orders are also accepted. For details, please contact a sales representative.

Type*1	Number of printing units	Coating unit*5	Delivery type			Dryer*5		Mechanical side view
			Standard	Semi-long	Long	Infrared dryer	UV curing unit	

RYOBI 754P Combination Chart

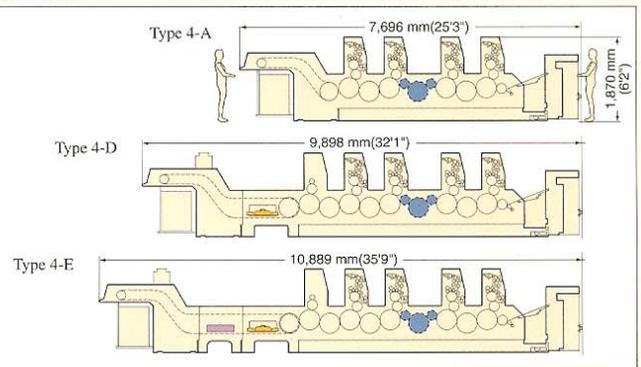| Type*1	Number of printing units	Coating unit*5	Standard	Semi-long	Long	Infrared dryer	UV curing unit	Mechanical side view
4-A	4 (4/0,2/2)	—	●	—	—	—*2	—*2	
4-B	4 (4/0,2/2)	△	—	●	—	○*3	○*3 *4	
4-C	4 (4/0,2/2)	△	—	—	●	○	○	
4-D	4 (4/0,2/2)	●	—	●	—	○	—	
4-E	4 (4/0,2/2)	●	—	—	●	○	○	

Type 4-A — 7,696 mm (25'3"), 1,870 mm (6'2")
Type 4-D — 9,898 mm (32'1")
Type 4-E — 10,889 mm (35'9")

RYOBI 755P Combination Chart

Type*1	Number of printing units	Coating unit*5	Standard	Semi-long	Long	Infrared dryer	UV curing unit	Mechanical side view
5-A1	5(5/0,4/1)	—	●	—	—	—*2	—*2	
5-A2	5(5/0,3/2)	—	●	—	—	—*2	—*2	
5-B1	5(5/0,4/1)	△	—	●	—	○*3	○*3 *4	
5-B2	5(5/0,3/2)	△	—	●	—	○*3	○*3 *4	
5-C1	5(5/0,4/1)	△	—	—	●	○	○	
5-C2	5(5/0,3/2)	△	—	—	●	○	○	
5-D1	5(5/0,4/1)	●	—	●	—	○	—	
5-D2	5(5/0,3/2)	●	—	●	—	○	—	
5-E1	5(5/0,4/1)	●	—	—	●	○	○	
5-E2	5(5/0,3/2)	●	—	—	●	○	○	

Type 5-A1 — 8,582 mm (28'2")
Type 5-D2 — 10,784 mm (35'5")
Type 5-E1 — 11,775 mm (38'8")
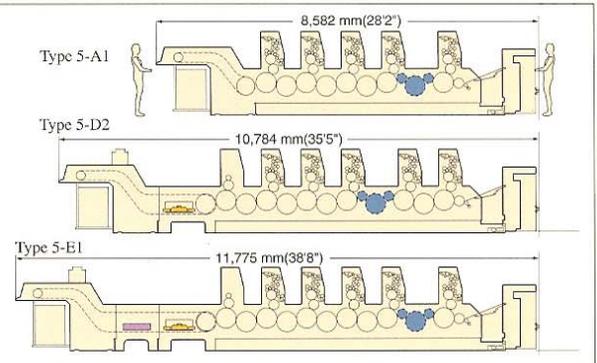
RYOBI 756P Combination Chart

Type*1	Number of printing units	Coating unit*5	Standard	Semi-long	Long	Infrared dryer	UV curing unit	Mechanical side view
6-A1	6(6/0,5/1)	—	●	—	—	—*2	—*2	
6-A2	6(6/0,4/2)	—	●	—	—	—*2	—*2	
6-B1	6(6/0,5/1)	△	—	●	—	○*3	○*3 *4	
6-B2	6(6/0,4/2)	△	—	●	—	○*3	○*3 *4	
6-C1	6(6/0,5/1)	△	—	—	●	○	○	
6-C2	6(6/0,4/2)	△	—	—	●	○	○	
6-D1	6(6/0,5/1)	●	—	●	—	○	—	
6-D2	6(6/0,4/2)	●	—	●	—	○	—	
6-E1	6(6/0,5/1)	●	—	—	●	○	○	
6-E2	6(6/0,4/2)	●	—	—	●	○	—	

Type 6-A1 — 9,468 mm (31')
Type 6-D2 — 11,670 mm (38'3")
Type 6-E1 — 12,661 mm (42')
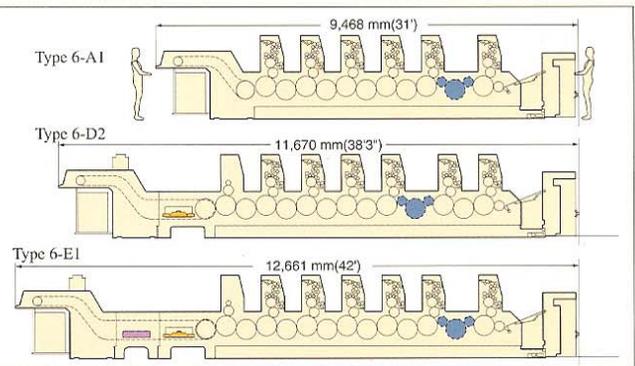
● Standard equipment , △ Option (field installation possible) , ○ Optional equipment , — Not available

*3: Either infrared dryer or UVcuring unit can be equipped.

*4: The semi-long delivery model cannot equip with both coating unit and UVcuring unit.

*5: There are some limitations for coating and drying when perfecting. For more information, please ask your dealer.

For other configurations or other applications, please ask your dealer.

Specifications

	754	754P	755	755P	756	756P
Number of printing units	4		5		6	
Max. Paper size	750 x 600 mm (29.53 x 23.62") Physically, up to 788 x 600 mm (31.02 x 23.62") stock can be fed. The maximum paper size that can be fed will vary according to the printing conditions, printing environment, type of paper, and other factors.					
Min. Paper size	279 x 200 mm (10.98 x 7.87") 754P/755P/756P Straight printing : 279 x 200 mm (10.98 x 7.87"), perfecting : 325 x 295 mm (12.80 x 11.61")					
Max. Printing Area	S type : 750 x 545 mm (29.53 x 21.46") XL type : 750 x 580 mm (29.53 x 22.83")					
Paper Thickness	0.04 - 0.6 mm (0.0016 - 0.024") 754P/755P/756P perfecting : 0.04 - 0.4 mm (0.0016 - 0.016") The thick cardboard printing model [up to 0.8 mm (0.031")] is optional feature on the 754/755/756.					
Printing Speed	3,000 - 15,000 S.P.H. Local conditions, ink, stock and printing plate types, and printing quality required will affect the maximum printing speed.					
Plate Size	S type : Standard ; 745 x 605 mm (29.33 x 23.82") Max. ; 760 x 605 mm (29.92 x 23.82") XL type : Standard ; 745 x 635 mm (29.33 x 25") Max. ; 760 x 635 mm (29.92 x 25")					
Plate thickness	0.4 mm (0.016") (cylinder packing total)					
Blanket type	Blanket with aluminum bar					
Blanket size	791 x 665 x 1.95 mm (31.14 x 26.18 x 0.077") [Cylinder packing total 2.55 mm (0.1")]					
Feeding System	Rotary type stream feeder					
Feeder Pile Capacity	800 mm (31.50")					
Delivery Pile Capacity	925 mm (36.42")					
Infeed System	Underswing gripper and paper feed drum					
Number of Rollers	Ink roller : 19 (form roller : 4) /unit Water roller : 4 (form roller : 1) /unit					
Gripper Margin	10 ±1 mm (0.39 ±0.039")					
Diagonal Image Micro Adjustment Range	±0.2 mm (±0.008") (plate cylinder) (at max.printing area)					
Vertical Image Micro Adjustment Range	±1 mm (± 0.039") (front lay), ±1 mm (± 0.039") *(plate cylinder) *754P/755P/756P : ± 2 mm (±0.079") (plate cylinder)					
Vertical Image Rough Adjustment Range	±20 mm (±0.79"), 754P/755P/756P: ±250 mm (9.84")					
Lateral Image Micro Adjustment Range	±2.5 mm (±0.098") (pull guide), ±2 mm (±0.079") (plate cylinder)					
Oiling System	Automatic centralized oiling system					
Electric Current	3-phase, 200V, 50/60Hz or other voltages					
Power Consumption	33kW *1	36kW *2	39kW *1	42kW *3	45kW *1	48kW *4
Dimensions — Length	7,333 mm (24'1")*1	7,696 mm (25'3")*2	8,219 mm (27')*1	8,582 mm (28'2")*3	9,105 mm (29'10")*1	9,468 mm (31')*4
Dimensions — Width	3,000 mm (9'10")		3,000 mm (9'10")		3,000 mm (9'10")	
Dimensions — Height	1,870 mm (6'2")		1,870 mm (6'2")		1,870 mm (6'2")	
Weight	18t (39,700 lbs.)*1	19t (41,900 lbs)*2	22t (48,500 lbs)*1	23t (50,700 lbs)*3	26t (57,300 lbs)*1	27t (59,530 lbs)*4

*1 Type A *2 Type 4-A *3 Type 5-A1, 5-A2 *4 Type 6-A1, 6-A2
Weight does not include peripheral devices of the press. For more information, please ask your dealer.

Standard Equipment

- RYOBI PCS-G Printing Control System
  (includes network kit for Ink Volume Setter)
- RYOBI Semiautomatic Plate Changer (Semi-RPC)
- RYOBI Program Inking (built-in with the PCS-G)
- Pull Guide Preset System
- RYOBI-matic Continuous Dampening System
- Dampening Solution Cooling/circulation Device
- RYOBI AAC Aqua Automatic Control System
- Plate Register Remote Control Device
  (vertical, lateral, diagonal)
- Automatic Blanket Cleaning Device
- Static Eliminator (blower type at the feeder side)
- Suction Tape Feeder Board
- Pull Side Guide Suction Wheel
- Side Lay Sensor
- Front Lay Blower
- Double Sheet Detectors (mechanical)
- Ultrasonic Type Double Sheet Detector
- Slewed Paper Detector
- Paper Transfer Jam Detector
- Deliverly Jam Detector
- Open Type Doctor Blade Coating System for Models Equipped
  with Coating Unit
- Preset Repeat Counter with Batch Function
  (electronic, 5-digit)
- Print Counter (total number of printed sheets, non-resettable)
- Machine Counter
  (total number of machine rotations, non-resettable)
- OK Monitor
- Powder Spray Device
- Delivery Decurling Device
- Air Guide Plate (754P/755P/756P)
- Nonstop Delivery Racking System
- Hickey Picker
- Various Safety Devices
  (certified by world-wide safty regulations)
- Oscillating Bridge Roller

Optional Equipment

- RYOBI PDS Printing Density Control System
- RYOBI PDS-E Printing Density Control System
- Paper Size Preset System*5
- Impression Pressure Preset System
  (includes program-controlled impression cylinder cleaning function)*5
- Up to 0.8mm(0.031") thick cardboard printing model (754/755/756)
- Ink Roller Temperature Control System*5
- Ink Oscillating Form Roller
- RYOBI-matic-D Continuous Dampening system with
  Hickey Removing Function
- Automatic Impression Cylinder Cleaning Device*5
- Automatic Blanket Cleaning Device for UV printing*5
- Automatic Ink Roller Cleaning Device*5
- Automatic Dampening Solution Supply Device
  (includes automatic alchohol/etching solution supply device)
- Intermediate Tank for Dampening Solution Cooling/Circulation Device
- Nonstop Feeder*5
- Skid Type Paper Pile Board*5
- Chamber Type Doctor Blade Coating System
  (include automatic setup/cleaning function)*6
- Infrared Dryer Unit
- UV Curing Unit
- RYOBI RP740-425 AUTO High-Precision Register Punch
- RYOBI RP740-425F High-Precision Register Punch
- UV Roller/UV Blanket
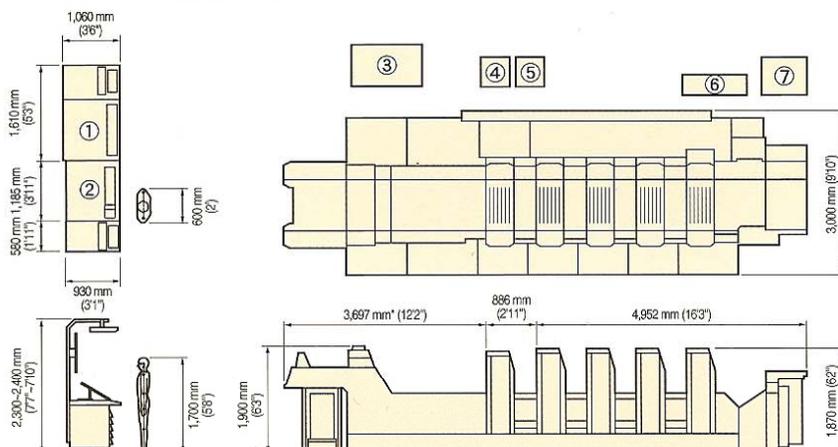- Ink Volume Setter Software (for PS)
- Ink Volume Setter-CIP4(PPF) Software

*5 Factory installation only.
*6 Factory installation recommended.

RYOBI 754P
Type 4-A

Mechanical Dimensions

1,060 mm (3'6")
1,610 mm (5'3")
560 mm (1'11") · 1,185 mm (3'11")
600 mm (2')
930 mm (3'1")
2,300–2,400 mm (7'7"–7'10")
1,700 mm (5'8")
1,900 mm (6'3")
3,697 mm* (12'2")
886 mm (2'11")
4,952 mm (16'3")
3,000 mm (9'10")
1,870 mm (6'2")

① RYOBI PCS-G Operation Stand
② RYOBI PDS Operation Stand
③ Infrared Dryer Control Box
④ Blower Box
⑤ Aqueous Coating Circulation Device
⑥ Compressor
⑦ Dampening Solution Cooling/Circulation Device

The block diagram at the left illustrates the RYOBI 754
with a coating unit and infrared dryer in a semi-long
delivery system (type 4-D). Since installation space and
peripheral equipment will vary according to the model,
please consult your sales representative for further details.

*Standard delivery: 2,381 mm (7'10")
 Long delivery: 4,688 mm (15'5")

Design and specifications are subject to change without notice. Specifications may differ slightly depending on the country.

750 series

ISO 9001 CERTIFIED   **ISO 14001 CERTIFIED**