A wide printing area and high-speed operation expand business opportunities

Wider Paper Size

The RYOBI 750G Series comes in two types: the S type press with a maximum printing area of 765 x 545 mm (30.12" x 21.46"), and the XL type press with a maximum printing area of 765 x 580 mm (30.12" x 22.83"), enabling a wider range of printing applications. The XL type allows 6-up printing of 8.5" x 11" letter-size.

The press can flexibly handle a wide range of paper from 0.04 mm (0.0016") onion skin to 0.8 mm (0.031") thick cardboard.

*1 Standard: 0.04mm (0.0016") - 0.6mm (0.024")

Up to 0.8mm (0.031") thick cardboard printing model (option): 0.04mm (0.0016") - 0.8mm (0.031")

Maximum printing area of RYOBI 750G Series
When printing 6-up of 8.5" x 11" letter-size (XL type)
Cardboard Printing [RYOBI 752G/RYOBI754G/RYOBI 755G/RYOBI 756G] (option)

With the cardboard printing, paper thickness up to 0.8 mm (0.031”) can be handled without adversely affecting the existing printing performance for thin papers. These cardboard printing provide substantial functions to perform high quality printing with easy operation to meet a wider range of printing needs.

- A very simple manual change will switch the thickness range from 0.04-0.6 mm (0.0016”-0.024”) to 0.6-0.8 mm (0.024”-0.031”). However, no gripper height adjustments are required on all grippers at a range of 0.04 mm thin paper to 0.8 mm cardboard printing and the make ready time when changing paper can be greatly reduced.
- Double-diameter impression cylinders and double-diameter transfer drums ensure stable paper transport with minimum flapping, providing stable paper transport even when printing on cardboard.

Reliable Paper Feeding Mechanism

A High Grade type Feeder ensures reliable paper feed even when printing at a high speed of 16,000 S.P.H. 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 tape holds the paper securely and feeds it smoothly to the front lay.
Efficient job changeover improves profitability

**RYOBI Semiautomatic Plate Changer Semi-RPC**

The RYOBI Semi-RPC allows plates to be changed quickly and accurately. The operator merely sets the plate on the positioning pins and presses the button. The Semi-RPC does not need the leading edge or tail edge of the plate to be bent.

**RYOBI Fully Automatic Plate Changer Full-RPC (option)**

The RYOBI Full-RPC, both plate mounting and plate removal are automatically performed on all printing units in sequence with single button operation, freeing the operator from all plate changing work. The Full-RPC takes only about 4 minutes and 30 seconds to change the plates on an 8-color press, and eliminates human error for greater plate changing accuracy.

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**Smart Make-Ready Function**

On models with an optional RYOBI Full-RPC fully automatic plate changer, a smart make-ready function automatically performs blanket cleaning, plate changing, preset inking and test printing for greatly enhanced work efficiency.

*On models with a convertible perfecting device, perfecting switchover process is automatically performed after cleaning process is completed.*

*When changing paper size, the paper size preset, impression pressure preset, and pull side guide preset can be set separately from the automatic processes.*
4-color printing (oil based ink), 200 sheets. This is the printing time measured by Ryobi's technical staff.

The actual time will vary depending on the printing conditions, printing environment, and operator experience.

**Automatic Cleaning Devices**

Automatic blanket cleaning device, Automatic impression cylinder cleaning device (option), Automatic Ink roller cleaning device (option)

**Paper Size and Impression Pressure Presets (option)**

The RYOBI 750G 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.

*Standard equipment: The pull side guide preset system,
Options: Paper size preset, and impression pressure preset systems
(The impression pressure preset system includes program-controlled impression cylinder cleaning function.)

**Various Innovative Mechanisms Guarantee 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.
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 this system is designed to minimize wasted sheets.

The "RYOBI-matic-D / RYOBI-matic-D Remote Continuous Dampening System (option)
These dampening systems substantially reduce hiccups 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.

An optimized digital workflow gives you total control over production and quality
RYOBI PCS-G Printing Control System
Almost the entire operation flow from make-ready through printing- including paper changing, cleaning, printing settings, registration, color adjustment, water control, and other operations - can be centrally controlled by the RYOBI PCS-G printing control system.

- Image Area Calculating Software
  [Ink Volume Setter/Ink Volume Setter-CIP4 (PPF)] (option)
- Printing Density Control System [RYOBI PDS/RYOBI PDS-E/RYOBI PDS-E AUTO/
  RYOBI PDS-E Spectro/RYOBI PDS-E Spectro AUTO] (option)
- MIS Connection Software (for CIP4-JDF) (option)
- Management System for Printing Presses [RYOBI Print Job Manager] (option)

Boost Productivity and Add Value
Various Dryer Units for High Value-Added Printing and reduction of environmental impact

An infrared dryer unit and/or UV curing unit can be installed in the delivery section. An inter-deck UV curing unit can be installed over the storage drum, and a cassette type interdeck UV curing unit can also be installed over the impression cylinder of each unit. Combining a coating unit and these UV curing units not only provides quick drying for a shorter delivery time, it also makes possible high value-added printing such as printing on film, metallized paper and other non-absorptive media, as well as chemical embossed printing and lenticular printing.

The 750G Series can also be equipped with an energysaving, eco-friendly LED-UV curing unit.

Inline Coating System
When the varnish coating system is not being used, the entire coating cylinder and anilox roller can be easily slid upward at the touch of a button to prevent marking on the sheet. Models with coating units offer a choice of the standardly equipped open type doctor blade system or an optional chamber type doctor blade coating system which is featuring automatic setup and cleaning functions.

Ryobi’s Fully Automatic Convertible Perfecting Device Boosts Productivity

**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.

One-pass full-color perfecting RYOBI 758GP/7510GP

Unlike a straight printing press, no time is lost waiting for the front side to dry after printing, or for paper piling when printing the back side. Printing time, obviously, is cut in half compared to printing both sides with two passes on a 4-color straight printing press.
## Specifications 750 GE series

<table>
<thead>
<tr>
<th>Model name</th>
<th>752G</th>
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<td>6</td>
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</tbody>
</table>
| Max. Paper size (W x L) | 788 x 600 mm (31.02" x 23.62") | (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 (W x L) | Straight printing: 279 x 200 mm (10.98" x 7.87") | Perfecting: 325 x 295 mm (12.80" x 11.61") |
| Max. Printing Area (W x L) | S type: 765 x 545 mm (30.12" x 21.46") | XL type: 765 x 580 mm (30.12" x 22.83") |
| Paper Thickness*1 | Straight printing: 0.04 - 0.6 mm (0.0016" - 0.024") | (The thick cardboard printing model [up to 0.8 mm (0.031"") is optional feature on the 752G/754G/755G/756G.) |
| | Perfecting: 0.04-0.4 mm (0.0016" - 0.016") |
| Printing Speed*2 | Straight printing: 3,000-16,000 S.P.H. | Perfecting: 3,000-15,000 S.P.H. (15,500 S.P.H is possible on special request.) |
| Plate Size | S type: 745 x 605 mm (29.33" x 23.82") [Standard] | 775 x 605 mm (30.51" x 23.82") [Max] |
| | XL type: 745 x 635 mm (29.33" x 25") [Standard] | 775 x 635 mm (30.51" x 25") [Max] |
| Feeder Pile Capacity | 800 mm (31.50") |
| Delivery Pile Capacity | 925 mm (36.42") |

Design and specifications are subject to change without notice.

*1 There are some limitations to print thick paper depending on paper types.
*2 Local conditions, ink, stock, and printing plate types, and printing quality required will affect the printing speed.