



RYOBI MHI Graphic Technology Ltd.

CORPORATE PROFILE



RYOBI MHI Graphic Technology Ltd.
International Sales and Marketing Department

5-2-8 Toshima, Kita-ku, Tokyo 114-0003, Japan
Tel. 81-3-3927-5238, Fax. 81-3-3927-5240
<http://www.ryobi-group.co.jp/graphic/>

Cat. No. Company Profile Aug. '15 E03 TP10
Order No. H9001 01 00

IRODORI – Coloring the World Together



Our Mission

RMGT will apply its extensive expressive capabilities to contribute to the creation of a prosperous and colorful (IRODORI) society.

Printed materials bring a vibrant, colorful world into people's lives. These capabilities can also capture the contrasting densities of wabi-sabi found in Japanese art.

A world where people are prosperous, relaxed and invigorated with enjoyment, fun and happiness is expressed as "IRODORI (color)" and contributes to the creation of a colorful society.



We contribute to the creation of a colorful society.

MESSAGE

RYOBI MHI Graphic Technology Ltd. was launched in January 2014, inheriting and fusing the respective strengths of RYOBI LIMITED. and Mitsubishi Heavy Industries Printing & Packaging Machinery, Ltd. Going forward, we remain committed to expanding our product lineup and strengthening our development, manufacturing, sales and service capabilities.

RMGT is the initialism of our company name that we have elected to implement, along with a new symbol mark and the new corporate message of "IRODORI - Coloring the World Together." We have also established a corporate philosophy of "Mission, Vision and Values" that all RMGT employees fully embrace.

In terms of products, our renewed press lineup now encompasses former Mitsubishi sheet-fed models in the B1 (1020/1050 mm) and larger size formats, together with previous Ryobi sheet-fed models in the A1 (920/940 mm) and smaller size formats. Beyond external design appearance, we will integrate the technologies and features of both lines to ensure even greater press performance.

In addition to our customers, RMGT will work to earn the trust of printing unions, materials and peripheral device manufacturers, dealers, partner companies and all parties engaged in the printing industry to move forward globally together. We will promote a generous, affluent, enriching, joyous, fun and happy world with IRODORI (color), as we contribute to the creation of a prosperous and colorful society.

RMGT : The initialism of RYOBI MHI Graphic Technologies Ltd. adopted as our company name.



RYOBI MHI Graphic Technology Ltd.
Yuzuru Ichimasa
President

RMGT Corporate Philosophy

PHILOSOPHY

MISSION Commitment to society

RMGT will apply its extensive expressive capabilities to contribute to the creation of a prosperous and colorful (IRODORI) society.

VISION Our targeted image

RMGT aims to become a company that grows in tandem by harnessing the collective technical and creative capabilities of both companies.

VALUES Our emphases

- Striving constantly to bring innovations from within
- Building trustworthy relationships
- Respecting different sets of values

Corporate Data

Name	RYOBI MHI Graphic Technology Ltd.
Locations	Head Office, Head Office Factory: 800-2 Ukai-cho, Fuchu-shi, Hiroshima-ken, Japan Kurigara Factory: 444-1 Kurigara-cho, Fuchu-shi, Hiroshima-ken, Japan
Scope of Business	Manufacture and sale of printing equipment and related products
Capitalization	100 million yen (capitalization 100 million yen + capital reserve 7,900 million yen: total 8,000 million yen)
Ownership	RYOBI LIMITED: 60% Mitsubishi Heavy Industries Printing & Packaging Machinery, Ltd.: 40%
Established	January 1, 2014
Fiscal year-end	March 31

Management members	
Akira Urakami	Chairman
Yuzuru Ichimasa	President (Representative Director)
Kiyotaka Fudetani	Vice President, Administration (Member of the Board)
Keiji Katayama	Vice President, Sales and Service (Member of the Board)
Katsushi Hirokawa	Vice President, Development (Member of the Board)
Yoshiaki Tanaka	Auditor
Mutsuro Kurokawa	Auditor

History

History of RYOBI LIMITED Graphic Systems Division

- 1943 · Founded as Ryobi Seisakusho Co., Ltd.
- 1961 · Began manufacturing offset printing presses
- 1966 · Launched the small-size offset printing press KR-430
- 1970 · Began manufacturing the phototypesetter Leon 1
- 1985 · Launched the RYOBI 3302M A3-size portrait format two-color offset press
· Introduced the RECS 200 Phototype Electronic Composing Setting System
- 1989 · Entered into a business tie-up with Koenig & Bauer AG to manufacture the SRO2K (722KOEBAU) offset printing press
- 1990 · Launched the RYOBI 524 A3-plus size four-color offset press
- 1997 · Received ISO 9001 certification for quality management and assurance systems
- 1998 · Received ISO 14001 certification for environmental management systems
· Launched the RYOBI 680 series A2 size multi-color offset presses
- 1999 · New office and printing equipment factory was completed on the grounds of the Hiroshima East Plant
- 2005 · Launched the RYOBI 920 series A1-size multi-color offset presses
- 2007 · Introduced a UV casting system for use with the RYOBI 750 series B2-size multi-color offset printing presses
- 2008 · Introduced the energy efficient, environmentally friendly LED-UV Printing System, the first such system for sheet-fed offset printing
- 2012 · Displayed a B2-size liquid toner digital offset printing press at drupa 2012

History of Mitsubishi Heavy Industries Printing & Packaging Machinery, Ltd. Sheet-Fed Offset Printing Press Business

- 1943 · Founded as the Mihara Rolling Stock Works
· Began the production of steam locomotives and brakes and built its first steam locomotive (Class D51)
- 1962 · Introduced the Super Bijou, the Company's first 820 mm format sheet-fed offset printing press, through a technological tie-up with Societe Marinoni of France
- 1967 · Introduced DAIYA, the Company's first independently developed 1,020 mm format sheet-fed offset printing press
- 1976 · Introduced the 1,120 mm format D-IV-N sheet-fed offset printing press
- 1988 · Introduced the DAIYA-F series, the world's first 1,020 mm format sheet-fed offset printing presses with automatic plate changer and sheet size and impression pressure preset systems
- 1989 · Founded the Paper and Printing Research Center
- 1996 · Received ISO 9001 certification for quality management and assurance systems
- 1999 · Received ISO 14001 certification for environmental management systems
- 2003 · Introduced the New DAIYA 308TP 1,020 mm format sheet-fed offset printing press, capable of one pass multi-color perfecting
- 2007 · Introduced the V3000 series 1,050 mm format sheet-fed offset printing presses
- 2008 · The V3000 series received Japan's Good Design Gold Award
· Shipped 10,000th sheet-fed offset printing press
- 2010 · Founded Mitsubishi Heavy Industries Printing & Packaging Machinery, Ltd. as a fully owned subsidiary of MHI
- 2011 · Introduced an in-line quality control system at an open house event commemorating 50 years of printing press manufacturing

January 1, 2014 Founded RYOBI MHI Graphic Technology Ltd.

Aug. 2014: First shipment of V4000 (current RMGT 11 series) 1,130 mm format offset press

Apr. 2015: Announcement of SAT SYSTEM, achieving the world's first printing on insert molding film using a waterless LED-UV offset press

Jul. 2015: Establishment of new CI (corporate identity)

Closely linking our development and manufacturing systems to design and deliver top-quality printing presses and services that meet your needs

DEVELOPMENT & MANUFACTURING

In addition to strengthening technology, press design and other press development functions, we are consolidating our press showroom and parts center at our Head Office and strengthening the ability of both to work in close cooperation. We have implemented a dual-factory production framework with the Head Office producing medium- and large-format presses and the Kurigara Factory tasked with the production of small-format presses. The Head Office Factory, our main production base for printing presses, is a state-of-the-art press manufacturing plant equipped to handle every production phase, from parts machining to assembly, testing and shipping, all in a single unified process. Key press components, such as frames, cylinders and gears requiring highly precise machining, are manufacturing at the Head Office Factory and at the machining shops of Mitsubishi Heavy Industries in Mihara City.



Head Office Factory



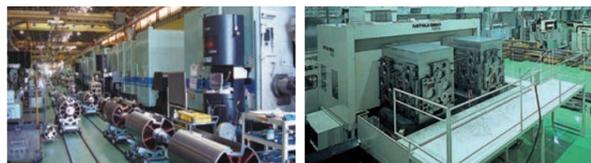
Showroom

Parts center

Development and Design



Machining



Assembly



Packaging and shipping



Extensive network with wide-ranging support underscores our customer-first business approach

NETWORK

With locations in major cities around the world, we offer comprehensive support ranging from printing equipment sales and installations to operational training and preventive maintenance programs, as well as the supply of printing materials. Our fine-tuned services are available through an extensive international network that encompasses over 60 distributors operating in more than 170 countries.



Instant drying



LED-UV printing system

Energy-conserving, long-life LED-UV printing system achieves high operating efficiency with LEDs that turn on and off instantly. Low-heat LEDs reduce heat-related shrinkage of printing media, making them ideal for printing with resin film.

Fully automatic simultaneous plate changing

The SimulChanger achieves extremely short makeready times with plate changing that takes only 75 seconds*. Everything from cylinder phase adjustment to plate removal and mounting is performed simultaneously on all units, enabling a high operating rate, even for small-lot printing requiring frequent job changes.

* For RMGT 10



SimulChanger

Digital printing



B2-size liquid toner type digital printing offset press

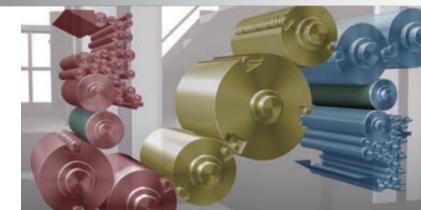
Designed for the age of digital printing, the B2-size liquid toner type digital printing offset press offers fast, reliable printing for ultra-small jobs. With a top-in-class printing speed of 6,000 sheets per hour, this press is appropriate for a wide range of jobs, from general commercial printing to packaging printing. (Under development)

With original technologies and a full product lineup, we create printed media of high quality and high added value together with our customers.

High-speed perfecting

The Tandem Perfector enables double-sided printing in a single pass without tumbling the sheet. Its unique arrangement reduces fan-out to ensure highly accurate front and back registration comparable to straight printing presses. This press is capable of perfecting at up to 16,200 sheets per hour*, greatly improving productivity.

* For RMGT 10



Tandem Perfector

Holographic coating and foiling

Holographic coating and foiling can be performed on a single press with UV casting and foiling systems. Film patterns are transferred to the varnish coating, enabling enormous variety in holographic coating. Foiling employs a cold stamping method using directly applied varnish. Holographic coating and foiling are ideal for creating high-value-added book covers and packaging.



UV casting and foiling system

SAT SYSTEM

Achieves the world's first printing on insert molding film using a waterless LED-UV offset press. Fuses the advantages of screen printing, offset printing, waterless printing and LED-UV printing to achieve high-quality print representation, short lead times and mass production capability of molding film used in three-dimensional automobile interior materials and household appliance parts.



SAT SYSTEM printing press

Note: Not all of the technologies shown here are available with all of the printing presses offered by RYOBI MHI Graphic Technology Ltd. For information about standard and optional features available for each model, please refer to the individual product catalogs.

Full lineup of offset printing presses, from A3-size portrait format to 1,130 mm format

LINEUP

RMGT 3	RMGT 5	RMGT 6	RMGT 7	RMGT 9	RMGT 10	RMGT 11
A3-Size Portrait	A3-Plus	A2-Size	B2-Size	A1-Size	1,020/1,050mm Format	1,130mm Format
340PCX-2	520GX-4 (with coating unit)	690ST-4	790ST-5 (with coating unit)	920PF-8	1050LX-6 (with coating unit)	1130TP-10

From commercial printing to package format presses to help businesses

printing, 1,020 / 1,050 and 1,130 mm succeed

RMGT 11 1,130 mm Format Offset Presses / RMGT 10 1,020/1,050 mm Format Offset Presses

ST (Straight press)

RMGT 11	1130 model	
Max. Printing Speed	15,000 S.P.H.	
Max. Sheet Size	820 x 1,130 mm (32.28" x 44.49")	
Max. Printing Area	810 x 1,120 mm (31.89" x 44.09")	
Paper Thickness	0.04 - 0.6 mm (0.002" - 0.024")	

RMGT 10	1020 model	1050 model
Max. Printing Speed	16,200 S.P.H.	
Max. Sheet Size	740 x 1,020 mm (29.13" x 40.16")	750 x 1,050 mm (29.53" x 41.34")
Max. Printing Area	730 x 1,020 mm (28.74" x 40.16")	740 x 1,050 mm (29.13" x 41.34")
Paper Thickness	0.04 - 0.8 mm (0.002" - 0.031")	



1130ST-5



Seven o'clock cylinder arrangement

The RMGT 10 and RMGT 11 series of ST (straight press) type feature cutting-edge technologies on a proven rigid base press model employing a seven o'clock cylinder arrangement with double-diameter impression and transfer cylinders. The press accommodates a wide range of optional features, including coating units and drying equipment, to meet high-value-added printing needs.

LX (Wide stock range press)

RMGT 11	1130 model	
Max. Printing Speed	15,000 S.P.H.	
Max. Sheet Size	820 x 1,130 mm (32.28" x 44.49")	
Max. Printing Area	810 x 1,120 mm (31.89" x 44.09")	
Paper Thickness	0.04 - 1.0 mm (0.002" - 0.039")	

RMGT 10	1020 model	1050 model
Max. Printing Speed	16,200 S.P.H.	
Max. Sheet Size	740 x 1,020 mm (29.13" x 40.16")	750 x 1,050 mm (29.53" x 41.34")
Max. Printing Area	730 x 1,020 mm (28.74" x 40.16")	740 x 1,050 mm (29.13" x 41.34")
Paper Thickness	0.04 - 1.0 mm (0.002" - 0.039")	



1050LX-6 (with coating unit)



Skeleton cylinder

The RMGT 10 and RMGT 11 series of LX (wide stock range press) type feature a smooth sheet transfer system using air management technology and delivery skeleton cylinders that keep printed areas from touching cylinders to prevent scratches and smearing. This press is compatible with a wide range of stock thicknesses, from delicate 0.04 mm (0.002") sheets to heavy 1.0 mm (0.039") board.

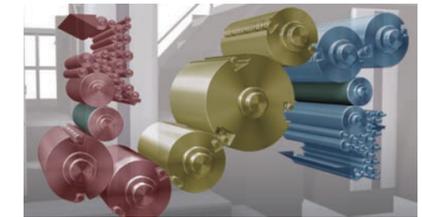
TP (Tandem perfector)

RMGT 11	1130 model	
Max. Printing Speed	13,000 S.P.H.	
Max. Sheet Size	820 x 1,130 mm (32.28" x 44.49")	
Max. Printing Area	810 x 1,120 mm (31.89" x 44.09")	
Paper Thickness	0.04 - 0.6 mm (0.002" - 0.024")	

RMGT 10	1020 model	1050 model
Max. Printing Speed	16,200 S.P.H.	
Max. Sheet Size	740 x 1,020 mm (29.13" x 40.16")	750 x 1,050 mm (29.53" x 41.34")
Max. Printing Area	730 x 1,020 mm (28.74" x 40.16")	740 x 1,050 mm (29.13" x 41.34")
Paper Thickness	0.04 - 0.6 mm (0.002" - 0.024")	



1050TP-10



Tandem Perfector

The RMGT 10 and RMGT 11 series of TP (Tandem perfector) type connect inverted back-side printing units with standard printing units through a translink unit. The translink unit smoothly conveys sheets from back side to front side printing units, eliminating the need to tumble them. This press also accommodates the one-pass multicolor perfecting of heavy paper stock.

PF (Convertible perfector)

RMGT 10	1020 model	1050 model
Max. Printing Speed	16,200 S.P.H.	
Max. Sheet Size	740 x 1,020 mm (29.13" x 40.16")	750 x 1,050 mm (29.53" x 41.34")
Max. Printing Area	730 x 1,020 mm (28.74" x 40.16") (Straight printing) 720 x 1,020 mm (28.35" x 40.16") (Perfecting)	740 x 1,050 mm (29.13" x 41.34") (Straight printing) 730 x 1,050 mm (28.74" x 41.34") (Perfecting printing)
Paper Thickness	0.04 - 0.6 mm (0.002" - 0.024")	



1050PF-8

Employing a proprietary three-cylinder sheet-reversing mechanism, the RMGT 10 series of PF (Convertible perfector) type is capable of high-quality printing at the world-leading perfecting speed of 16,200 sheets per hour, comparable to straight printing presses.

* PF (Convertible perfector) not available in RMGT 11 series



Three-cylinder sheet-reversing mechanism

High-performance A1-size, B2-size and A2 size printing presses packed with high-end technology

RMGT 9 A1-Size Offset Presses

940 model

	ST (Straight press)
Max. Printing Speed	15,000 S.P.H.
Max. Sheet Size	640 × 940 mm (25.20" × 37.01")
Max. Printing Area	615 × 930 mm (24.21" × 36.61")
Paper Thickness	0.04 - 0.6 mm (0.0016" - 0.024")

The RMGT 9 series of A1-size offset printing presses features superior cost-performance and easily handle 8-up A4-size printing. The lineup includes the 940 model, which handles sheet width up to 940 mm and the 920 mm, which handles sheet width up to 920 mm. Featuring a maximum printing speed of 16,200 sheets per hour *1 plus such added-value and higher productivity enhancements as the inline coating system*2.

*1 For 920 model. In case of the 940 model, the maximum printing speed is 15,000 sheets per hour.
*2 For 920 model only



940ST-4

920 model

	ST (Straight press)	PF (Convertible perfector)
Max. Printing Speed	16,200 S.P.H.	13,000 S.P.H.
Max. Sheet Size	640 × 920 mm (25.20" × 36.22")	Straight printing 640 × 920 mm (25.20" × 36.22") Perfecting 635 × 920 mm (25" × 36.22")
Max. Printing Area	615 × 900 mm (24.21" × 36.61")	
Paper Thickness	0.04 - 0.6 mm (0.0016" - 0.024")	0.04 - 0.4 mm (0.0016" - 0.016")



920PF-8

RMGT 7 B2-Size Offset Presses

790 model

	ST (Straight press)	PF (Convertible perfector)
Max. Printing Speed	16,000 S.P.H.	15,000 S.P.H.
Max. Sheet Size	600 × 788 mm (23.62" × 31.02")	
Max. Printing Area	790ST(PF) : 545 × 765 mm (21.46" × 30.12") 790STXL(PFXL) : 580 × 765 mm (22.83" × 30.12")	
Paper Thickness	0.04 - 0.6 mm (0.0016" - 0.024") 0.04 - 0.8 mm (0.0016" - 0.031")	Straight printing 0.04 - 0.6 mm (0.0016" - 0.024") Perfecting 0.04 - 0.4 mm (0.0016" - 0.016")

*Figure in () shows the press with thick cardboard specification.

The 790 model offers a wide range of unit configurations to meet specific customer needs for a high-productivity, high-profitability printing environment. High-quality, high-speed printing is assured by digitally controlled quality management systems combined with reliable mechanisms and advanced automation devices employing cutting-edge technology.



790ST-5
(with coating unit)

size technology

UV Casting and Foiling System

Applicable model	790 model
Max. Sheet Size	600 × 788 mm (23.62" × 31.02")
Max. Printing Area	790ST : 545 × 765 mm (21.46" × 30.12") 790STXL : 545 × 765 mm (22.83" × 30.12")
Paper Thickness	0.04 - 0.6 mm (0.0016" - 0.024") [0.04 - 0.8 mm (0.0016" - 0.031")]*

*Figure in () shows the press with thick cardboard specification.

Used in conjunction with customers' existing printing presses, this system allows the construction of a production line capable of holographic coating or foiling. In addition to holographic coating and foiling, this system can be used for other processing, such as adding gloss coatings with UV varnish or chemical embossing. (An in-line model for use with multi-color presses is also available.)



790ST-1
(With UV Casting and Foiling System)

760 model

	ST (Straight press)	PF (Convertible perfector)
Max. Printing Speed	13,000 S.P.H.	
Max. Sheet Size	600 × 765 mm (23.62" × 30.12")	
Max. Printing Area	760ST(PF) : 545 × 765 mm (21.46" × 30.12") 760STXL(PFXL) : 580 × 765 mm (22.83" × 30.12")	
Paper Thickness	0.04 - 0.6 mm (0.0016" - 0.024")	Straight printing 0.04 - 0.6 mm (0.0016" - 0.024") Perfecting 0.04 - 0.4 mm (0.0016" - 0.016")

The 760 model offers cost performance while meeting the demands of today's printing market for short turnaround time, high quality and lower printing cost. The wide printing area of 580 × 765 mm (22.83" × 30.12") or, on the XL type, 545 × 765 mm (21.46" × 30.12"), makes these presses suitable for a wide range of applications. As a space-saving feature, the Operation Stand is built right into the press.



760PF-4

RMGT 6 A2 Size Offset presses

	ST (Straight press)	PF (Convertible perfector)
Max. Printing Speed	15,000 S.P.H.	
Max. Sheet Size	508 × 686 mm (20" × 27.01")	
Max. Printing Area	495 × 660 mm (19.49" × 25.98")	Straight printing 495 × 660 mm (19.49" × 25.98") Perfecting 488 × 660 mm (19.21" × 25.98")
Paper Thickness	0.04 - 0.6 mm (0.0016" - 0.024") [0.04 - 0.8 mm (0.0016" - 0.031")]*	Straight printing 0.04 - 0.6 mm (0.0016" - 0.024") Perfecting 0.04 - 0.4 mm (0.0016" - 0.016")

*Figure in () shows the press with thick cardboard specification.

This A2 size model has inherited the excellent functions and performance of the RMGT 7 series B2-size printing press. Featuring high productivity, printing performance and reliability, these presses are appropriate for a wide range of printing jobs.



690ST-4

Compact, with the versatility needed for a wide range of work

RMGT 5 A3-Plus Size Offset Presses

520GX model

	GX (Straight press)	GXP (Convertible perfecter)
Max. Printing Speed	15,000 S.P.H.	
Max. Sheet Size	375 × 520 mm (14.76" × 20.47")	
Max. Printing Area	350 × 505 mm (13.78" × 19.88")	
Paper Thickness	0.04 - 0.6 mm (0.0016" - 0.024")	Straight printing 0.04 - 0.6 mm (0.0016" - 0.024")
		Perfecting 0.04 - 0.4 mm (0.0016" - 0.016")



520GX-4
(With coating unit)

The 520GX and 520GXP are top-of-the-line models of the RMGT 5 series, with more than 10,000 units sold worldwide. Generously equipped with high-end technologies, these presses can be used flexibly for a wide range of printing jobs.

520GE model

Max. Printing Speed	11,000 S.P.H.
Max. Sheet Size	375 × 520 mm (14.76" × 20.47")
Max. Printing Area	350 × 505 mm (13.78" × 19.88")
Paper Thickness	0.04 - 0.4 (0.5) mm* [0.0016" - 0.016"(0.02")]

*0.5 mm (0.02") stock can be printed when feeding sheets perpendicular to the fiber direction.

The 520GE model combines features from top-of-the line 520GX model with a new level of cost performance. Advanced automation and labor-saving features enhance operability and ensure consistently high printing quality, offering superior performance for diverse, small-lot multi-color printing jobs.



520GE-2

520HX model

Max. Printing Speed	13,000 S.P.H.
Max. Sheet Size	375 × 520 mm (14.76" × 20.47")
Max. Printing Area	350 × 505 mm (13.78" × 19.88")
Paper Thickness	0.04 - 0.4 (0.5) mm* [0.0016" - 0.016"(0.02")]

*0.5 mm (0.02") stock can be printed when feeding sheets perpendicular to the fiber direction.

Numbering and Perforating Unit NP52 (520HX / 520GE-2 / 520GX-4)

Max. Sheet Size	375 × 520 mm (14.76" × 20.47")
Processing type	Numbering, vertical and cross perforating



520HX-1

NP52

RMGT 3 A3-Size Portrait Format Offset Presses

340HA - 4

Max. Printing Speed	10,000 S.P.H.
Max. Sheet Size	450 × 340 mm (17.72" × 13.39")

The 340HA-4 is an A3-size portrait format offset press designed to meet market needs for multiple colors and digitalization. Using a satellite V-shaped five-cylinder arrangement, the body of the press takes up only 3.8 m² of floor space. This press can easily handle PS plates and polyester-based and other plate materials for economical four-color printing. The 340HA-4 and 340HA-2 models are equipped with the Semiautomatic Plate Changer, making changing plates significantly easier.



340HA-4

We support our customers' businesses with a varied lineup of both single-color and two-color models for easy and speedy printing of flyers, envelopes, slips and other small-lot print jobs.

340HA - 2 / 340C - 2

Max. Printing Speed	10,000 S.P.H.
Max. Sheet Size	450 × 340 mm (17.72" × 13.39")



340HA-2

340CR - 1

Max. Printing Speed	10,000 S.P.H.
Max. Sheet Size	450 × 340 mm (17.72" × 13.39")



340CR-1

340PCX - 2

Max. Printing Speed	10,000 S.P.H.
Max. Sheet Size	450 × 340 mm (17.72" × 13.39")



340PCX-2

340CCD - 1

Max. Printing Speed	10,000 S.P.H.
Max. Sheet Size	450 × 340 mm (17.72" × 13.39")



340CCD-1