B&W Digital Production Printer

RICOH
Pro 8310/8320
SERIES

☑ Copier ☑ Printer ☑ Scanner

RICOH
imagine. change.

RICOH Pro 8310s
111 ppm Monochrome

RICOH Pro 8320s
136 ppm Monochrome

RICOH Pro 8310
111 ppm Monochrome

RICOH Pro 8320
136 ppm Monochrome

Build your business with stability, quality, reliability and versatile printing

The new Ricoh Pro 8310 and 8320 series deliver exactly what your competitive environment demands, and more. Our printers offer impressive black and white speeds for high document volume at up to 136ppm. Its robust design stands the test of time with auto recovery to minimise downtime and maximise your turnaround time, and it has a large operation panel for simple usability.

The brand new range of automated high-end finishing options gives you even greater versatility to capture more business from speciality books to professional bids and manuals.

The new Ricoh Pro 8310 and 8320 series offer the new options you need to grow and enhance your business.

- New higher finishing capability
- Enhanced productivity
- Better reliability
- Simpler to use

Designed to be productive and reliable

The Ricoh Pro 8310 and 8320 series deliver outstanding high volume, black and white output at speeds up to 136ppm, providing the quality and reliability you need.

Higher finishing capability

From textbooks, corporate manuals and general booklets to speciality cookbooks and educational books, the Ricoh Pro 8310 and 8320 range of new high-end finishing options offers more opportunities to increase productivity and media capability.

Easier for everyone to use

The improved user interface design on the 17-inch smart touch screen panel allows easy operation for everyday use. Jam removal process is now more intuitive with LED guidance.

High image quality

Ricoh Pro 8310 and 8320 series use innovative VCSEL* technology to provide clean and smooth high-definition image quality, with 2400 x 4800 dpi resolution and higher consistent image quality over long runs.

Vertical Cavity Surface Emitting Laser

Better technology and value

Our innovative VCSEL* technology gives best-in-class resolution of 2400 x 4800 dpi, creating outstanding image quality. VCSEL has as many as 40 laser beams emitting simultaneously to give exceptionally accurate, smooth and professional quality. Indirect transfer belt technology also contributes to higher image quality, plus new process control maintains higher image consistency over long runs.

Vertical Cavity Surface Emitting Laser

Uptime maximised

- Operators can replace Operator Replaceable Units (ORU) to maximise uptime
- Remote assist by Ricoh operator minimises downtime
- Simplified fuser section for faster and easier maintenance
- Faster warm-up time and recovery from energy saver mode help to improve output and increase efficiency

Increased reliability

- Productivity is improved with fewer paper jams
- Higher duty cycle
- Enhanced purge function for auto recovery
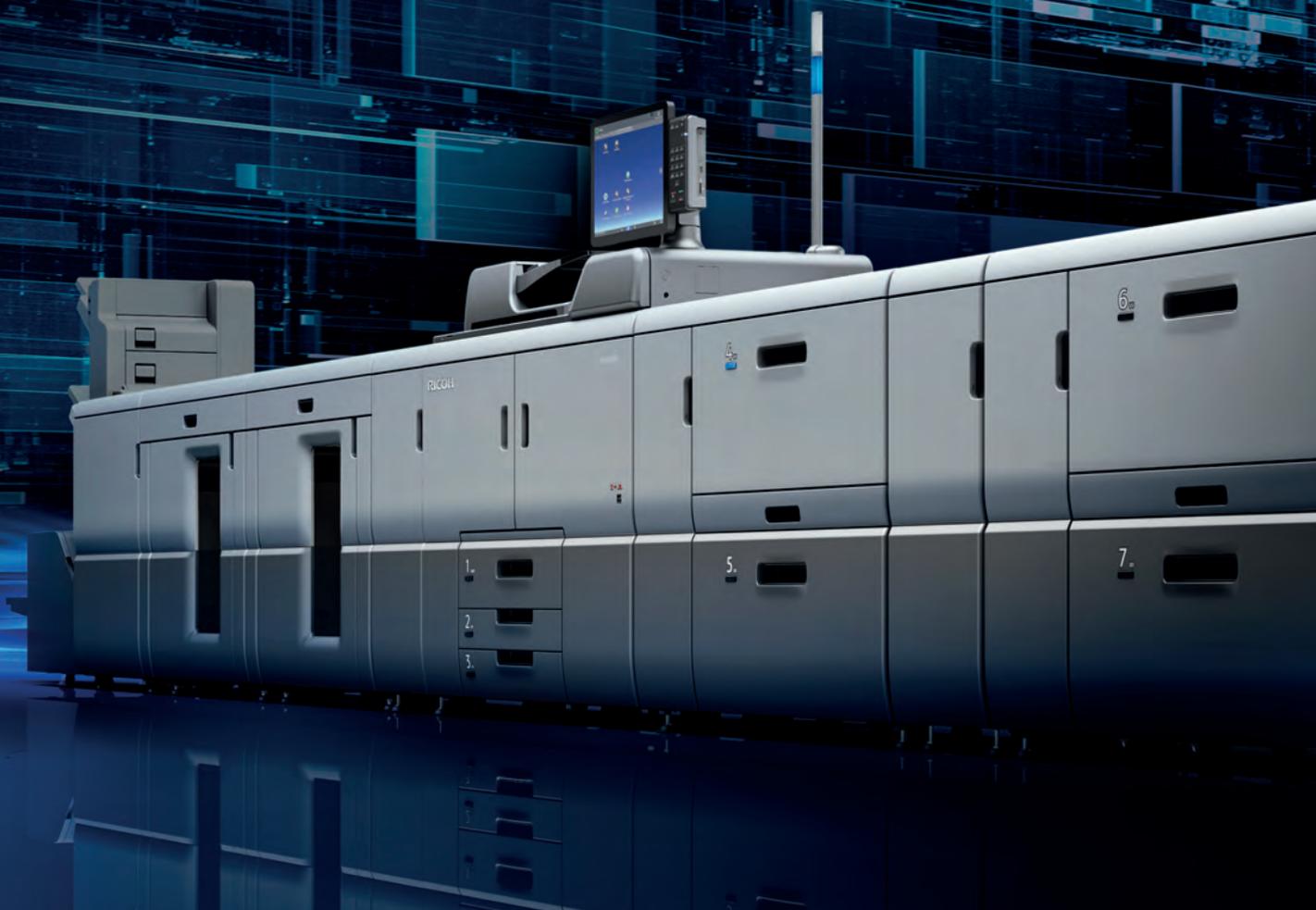
Brand new options and opportunities

High-end Finisher

- More robust finisher with non-stop delivery
- Increased stack capacity with dual shift trays (1000 sheets, 3500 sheets)
- Enhanced saddle-stitching capabilities with maximum 30 sheets (80gsm)
- Better folding for thinner booklets to enhance production
- Higher productivity
- Support up to 350gsm

Interposer

- Coated paper can be fed continuously by air-assisted feeding from the leading edge
- 2-tray per >200 sheets
- Stands on its own for stability
- Support up to 350gsm

Trimmer

- Trims 30-sheet booklets to enhance productivity
- Side edge trimmer

Bridge Unit

- Connects Plockmatic Booklet Maker to the mainframe without a finisher

High-end options to keep you ahead

Ring Binder

- Fully automated binding workflows help to save time and labour costs
- Ease of operation as the system process from printing to closing rings without manual intervention
- Two sizes of consumable rings are available for 50 or 100 A4 sheets
- Black or white coloured rings available
- Smaller footprint saves installation space

GBC eWire Binder

- New fully automated inline binding system using traditional twin-loop wire binding eliminates manual processes for increased productivity
- Binds plain, coated and tabbed stock and paper weights from 63gsm up to 350gsm (16lb bond – 130lb cover)
- Produces high-end proposals, booklets, reports, directories, calendars, educational books, manuals and speciality books to expand your client base

More options for higher volumes

High Capacity Stacker

- Stacks up to 5000 sheets (SRA3, A4, LT size) on shift tray and 250 sheets on one proof tray
- Air-assist function for enhanced stack performance

Vacuum Feed LCIT

- Improved pick-up/feeding increases productivity and reduces downtime
- Two trays can be connected

Higher-output Capacity Finisher

- Able to output 3500 sheets in shift tray and 1000 sheets to proof tray
- Two trays can be connected

High-value opportunities

Transactional printing

Ricoh's genuine IPDS print option opens the way for you to take advantage of high value transactional documents.

- Barcodes can be printed onto address labels, direct mail pieces and envelopes
- Invoices and statements can be scheduled to print overnight to maintain productivity
- Supports Magnetic Ink Character Recognition (MICR) printing of cheques

Accurate, full speed production

- Print streams are managed at page level for error-free production at full speed

Ricoh workflow solution

TotalFlow Production Manager offers a single solution to manage jobs across multiple output devices whilst enabling automated workflow functionality including integrated imposition* and pre-flight** to streamline production and reduce errors associated with problem files.

Both solutions offer open connectivity with Ricoh, EFI Fiery™ and third party *** Digital Front End.
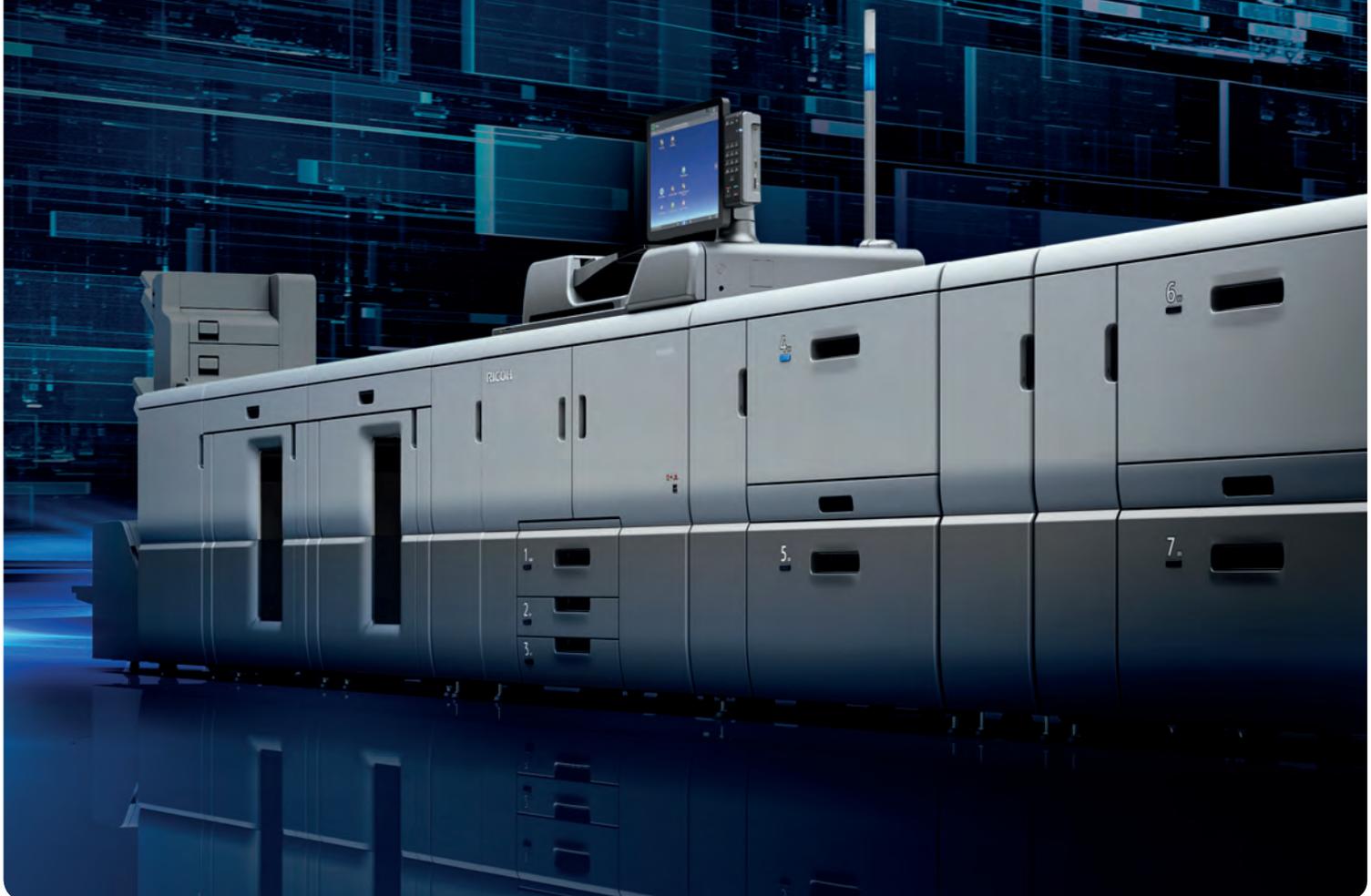
Versatile media support

Expand in-house production

- Superb printing performance on everything from carbonless paper, textured and coated media to envelopes and pre-printed forms
- Supports paper weights from 40gsm to 350gsm, option dependent
- Also supports larger sheet size up to 700mm
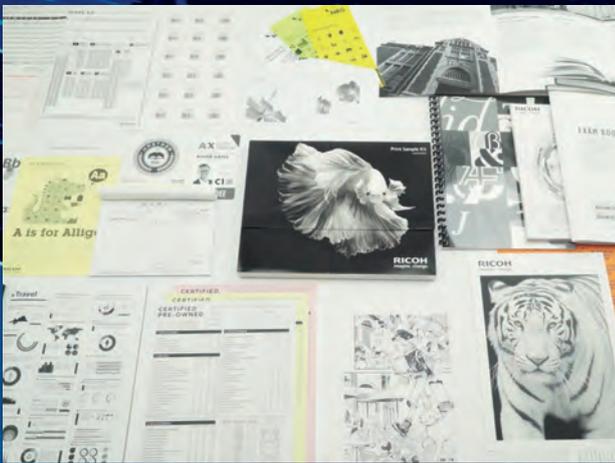
More options to succeed

- Let you offer clients everything from textbooks and luxury books to office documents, manuals and poster printing
- Enables the same media to be used for offset and digital production
- Optional decurl unit eliminates paper curl which can be a problem with the use of long grain and lightweight media
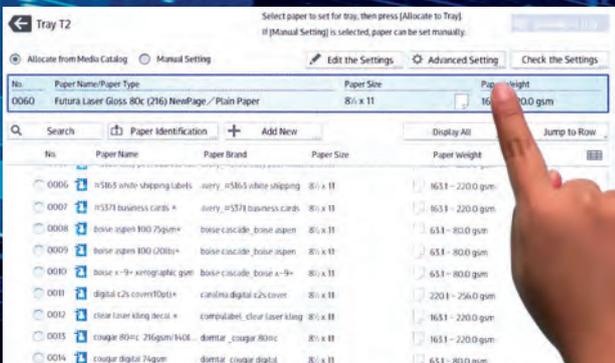
Extensive media library

- Provides automated settings for a variety of branded media and media types
- Simplifies set up and ensures reliable performance

The power for performance

Enhanced processing performance

Benefit from a high performance 1.91GHz Atom Processor, 2GB memory and 320GB x 2 SATA.
It delivers faster processing of complex print jobs and supports finishing options to suit your needs
and broaden your client offerings.

Robust functionality for maximum productivity

The new EFI controller EB-35 helps simplify file management and job workflow for greater efficiency.

- Export current view – allows users to export the information from their current job centre view
- Link to EFI Smart Support - in-software link from Apps and Resources to EFI Smart Support gives direct access to the EFI online knowledge base
- Fiery JobMaster update – file size is reduced for duplicate jobs

All the options you need to succeed

1. **Pro 8310 and 8320 series**

2. **17-inch Operation Panel**

3. **4,400 sheets vacuum feed large Capacity Tray**

4. **Standard Paper Trays**

5. **Cover Interposer**

6. **5,000 sheet High Capacity Stacker**

7. **Booklet Finisher**

8. **Optional Bypass**

GENERAL

Print/Copy Process:	1-drum dry electrostatic transfer system with internal transfer belt
Fusing:	Oil-less belt-fusing method
Toner Type:	Newly formulated pulverized toner
Print Speed:	8310s and 8310: 111ppm 8320s and 8320: 136ppm
Resolution:	VCSEL: 2400 x 4800dpi Print: 1200 x 1200dpi
Warm-up time:	>300 seconds
Dimensions (W × D × H):	8300s: 1141mm x 900mm x 1558mm 8310s: 1141mm x 900mm x 1735mm
	8320s: 1141mm x 900mm x 1735mm
Weight:	MFP model: 428kg Printer model: 413kg
Power Source:	EU: 220-240V,16A, 50/60Hz
Life:	Life: 60,000,000 A4 pages or 5 years Duty cycle: 8310s/8310: 3.3million 8320s/8320: 4million

SCANNER FEATURE

Resolution:	100/150/200/300/400/600dpi 200dpi as a default
Scan speed:	B&W 120 simplex/220 duplex (A4 LEF/200dpi) Colour 120 simplex/220 duplex (A4 LEF/200dpi)
Max Scan Area:	297 x 432mm

MEDIA HANDLING

Paper Input Capacity:	1st tray (std) 1,100 sheets x 2 (Tandem Tray)
	2nd tray (std) 550 sheets
	3rd tray (std) 550 sheets
	A4/LT LCT (op)
	4th tray 1,100 sheets
	5th tray 1,100 sheets
	6th tray 2,800 sheets
	A3/DLT LCT (op)
	4th tray 1,100 sheets
	5th tray 2,200 sheets
	6th tray 1,100 sheets
	Bypass tray: 500 sheets
	Vacuum Feed LCT (op)
	T1 tray 2,200 sheets
	T2 tray 2,200 sheets
Max. Input Capacity:	12,600 sheets
Max. Output Capacity:	14,500 sheets
Paper size:	Width: 100 x 330.2mm Length: 139.7 x 700mm
Paper Weight:	1st tray (std) 52.3 - 256gsm
	2nd tray (std) 52.3 - 256gsm
	3rd tray (std) 52.3 - 256gsm
	A4/LT LCT
	4th tray 52.3 - 216gsm
	5th tray 52.3 - 216gsm
	6th tray 52.3 - 163gsm
	A3/DLT LCT
	4th tray 52.3 - 256gsm
	5th tray 40.0 - 300gsm
	6th tray 52.3 - 256gsm
	Tray A 52.3 - 216gsm
	Multi Bypass Tray: 52.3 - 216gsm
	Vacuum Feed LCT
	T1-T4 tray 40 - 350gsm

CONTROLLER

Configuration:	Embedded
CPU:	Intel® Atom® Processor Bay Trail - 1 (1.91GHz)
Memory:	2GB
HDD:	640GB
DVD-ROM Drive:	N/A
Operating System:	Linux
Network Protocol:	TCP/IP (IP v4, IP v6)
PDL:	PCL5e, PCL6, PDF, JPEG, TIFF, XPS, RP/GL2
Optional:	Adobe PostScript 3, IPDS
Font:	PCL: 45 fonts, 13 International fonts
Network Interface:	Ethernet 1000Base-T/100Base-TX/10Base-T USB2.0 TypeA (2 port on controller board, 4 ports on operational panel), USB2.0 TypeB (2 ports on controller panel), SD Slot on operational panel

EFI CONTROLLER

Configuration:	Optional: External
CPU:	Intel® Pentium® processor G4400 (3.3 GHz)
Memory:	8GB
HDD:	500 GB
DVD-RW Drive:	N/A
Operating System:	Windows® 10 IoT Enterprise 2016 LTSB
Network Protocol:	TCP/IP (IP v4, IP v6), SMB
PDL:	PostScript 3 (CPSI ver.3020 & APPE ver.4.4), PCL6
Supported Data Format:	PS, PDF, PDF/X, EPS, TIFF, PCL, PDF/VT, PPML, VPS
Print Resolution:	1200dpi/2bit
Font:	PS3 136 + 2mm, PCL80
Network Interface:	Ethernet 1000 - T/100 - TX/10 base - T

OTHER OPTIONS

Input:	Vacuum Feed Large Capacity Tray (Vacuum Feed LCIT RT5120), A4/LT Large Capacity Tray (RT5130), 13" x 19.2" Large Capacity Tray (RT5110), A3/DLT Tray Kit (TK5020), Multi Bypass Tray (BY5020), Multi Bypass Banner Sheet Tray Type S9, Cover Interposer Tray (CI5040), Plokmatic High Capacity Interposer (HCI3500), Vacuum Feed banner Sheet Tray Type S9
Output:	Finisher (SR5110), Booklet Finisher (SR5120), Punch Unit(PU5030), Booklet Trimmer (TR5050), Ring Binder (RB5030), Perfect Binder (GB5010), Multi-Folding Unit (FD5020), High Capacity Stacker (SK5040), Plockmatic PBMe, Plockmatic MPS stacker, GBC Stream Punch Ultra, GBC E-wire Binder
Others:	Bridge Unit(BU5020), Buffer Pass Unit Type S11, Decurl Unit (DU5070), ORU Type S11, PostScript3 Unit Type S11, IPDS Unit Type S11/S12, RPIP Interface Box Type S3, Media Identification Unit Type S3 EFI™ Fiery Controller EB-35

WORKFLOW SOLUTIONS

Ricoh TotalFlow Prep & Production Manager, TotalFlow BatchBuilder, Ricoh ProcessDirector, InfoPrint Manager, FusionPro VDP Suite, EFI Digital StoreFront, EFI Graphic Arts Premium Package, EFI Impose & Compose, OL Connect Suite

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