

Digital Mono Production Press

RICOH Pro 8310s Pro 8320s

✓ Printer ✓ Copier ✓ Scanner

RICOH
imagine. change.



Pro 8310s

111
ppm

Mono

Pro 8320s

136
ppm

Mono

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

What does it take to expand your monochrome print production? How can you get the high-volume and stable performance you need?

The new Ricoh Pro 8310s and 8320s 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. The robust design stands the test of time with auto recovery to minimise downtime and maximise your turnaround time, and the large operation panel simplifies 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 8310s and 8320s offer new options you need to grow and enhance your business.

- Broader finishing capability
- Enhanced productivity
- Better reliability
- Simpler to use





Designed to be productive and reliable

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



Higher finishing capability

From text books, corporate manuals and general booklets to speciality cookbooks and educational books, the new range of high-end finishing options for the Ricoh Pro 8310s and 8320s 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 provides easy operation for everyday use. Jam removal process is more intuitive with LED guidance.



High image quality

The Ricoh Pro 8310s and 8320s use innovative VCSEL (Vertical Cavity Surface Emitting Laser) technology to provide clean and smooth high-definition image quality, with 2400 x 4800 dpi resolution and higher consistent image quality over long runs.

Better technology and value

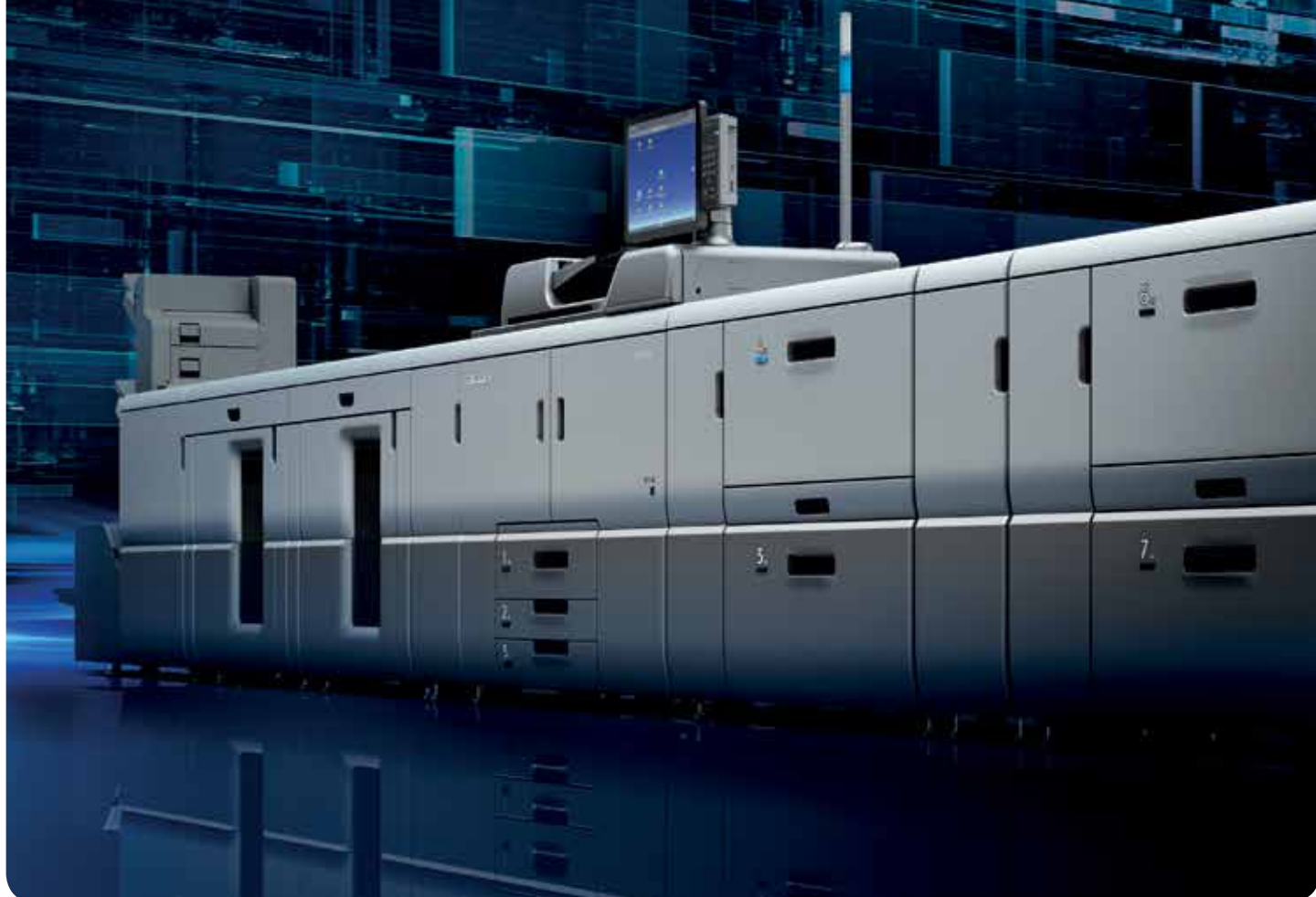
Our innovative VCSEL (Vertical Cavity Surface Emitting Laser) technology delivers best-in-class resolution of 2400 x 4800 dpi, creating outstanding image quality. VCSEL has as many as 40 laser beams emitting simultaneously to give exceptionally accurate, smooth and professional quality. Indirect transfer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

Uptime maximised

- Trained 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 helps improve output and increase efficiency

Increased reliability

- Increased productivity with fewer paper jams
- Higher monthly duty cycle
- Enhanced purge function for auto recovery



Brand new options and opportunities



Professional Finisher

- Robust finisher with non-stop delivery
- Increased stack capacity with dual shift trays (1,000 sheets, 3,500 sheets)
- Enhanced saddle-stitching capabilities with maximum 30 sheets (80 gsm)
- Better folding for thinner booklets to enhance production
- Supports coated stocks up to 350 gsm
- Higher productivity



Interposer

- Coated paper can be fed continuously into the finishing workflow by air-assisted feeding
- Supports up to 350 gsm media
- Two trays, each holding up to 200 sheets
- Stands on its own for stability



Trimmer

- Trims 30-sheet (120-page) booklets to enhance productivity
- Fore edge trimmer



Bridge Unit

- Connects Plockmatic Booklet Maker to the print engine without the need for a finisher

High-end options to keep you ahead

Ring Binder

- Fully automates binding workflows, saving time and labour costs
- Ease of operation as the system process – from printing to closing rings – requires no manual handling
- Two sizes of consumable rings are available for 50 or 100 A4 sheets
- Black or white coloured rings available
- Smaller footprint saves installation space

Production Booklet maker System

- Fully automated production of professional saddle-stitched booklets, saving time and labour
- Modular design enables production of fully-trimmed booklets with a square folded spine for a perfect-bound look
- Produce 120-page booklets or upgrade to a 50-sheet capability to produce 200-page booklets
- Produce booklets whilst maintaining full productivity of the print engine
- New Bridge Unit enables direct connection to print engine without need of a finisher



More options for higher volumes



High Capacity Stacker

- Stacks up to 5,000 sheets (SRA3, A3, A4 size) on shift tray and 250 sheets on proof tray
- Air-assist function for enhanced stack performance
- Two stackers can be connected for non-stop printing



Vacuum Feed LCIT

- Improved pick-up/feeding increases productivity and reduces downtime
- Two trays can be connected for higher capacity of paper and more pick-points
- Optional banner tray enables feeding of sheets up to 700 mm in length



Higher-capacity Finisher

- Able to output 4,500 sheets in two shift trays (3,500 in one tray and 1,000 in second)
- Non-stop delivery for continuous print runs



Banner Sheet Stacker

- Output sheets up to 700 mm in length
- Motorised stacking table eliminates lifting of heavy, printed stacks
- Easy disconnect and roll-away for off-line finishing

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

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 and EFI Fiery Digital Front Ends.



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 super lightweight 40 gsm to heavyweight 350 gsm (dependent on options fitted)
- Also supports larger sheet size up to 700mm



More options to succeed

- Lets you offer clients everything from text books 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 media set up and ensures reliable performance

The power for performance

Enhanced processing performance

Benefit from a high performance 1.91 GHz Atom Processor, 2 GB memory, and 2 x 320 GB SATA storage. 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 optional 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
- Ready for JobFlow 2.5



All the options you need to succeed



- 1 Pro 8310s / 8320s digital mono production press
- 2 17-inch Operation Panel
- 3 4,400 sheet vacuum feed Large Capacity Tray
- 4 Standard Paper Trays
- 5 Cover Interposer
- 6 5,000 sheet High Capacity Stacker
- 7 Booklet Finisher
- 8 Bypass Tray

RICOH Pro 8310s / 8320s

SYSTEM SPECIFICATIONS

General

Technology:	1-drum dry electrostatic transfer system with internal transfer belt
Fusing:	Oil-less, belt fusing method
Toner Type:	Newly formulated pulverised toner
Print Speed:	Pro 8310s: 111 ppm Pro 8320s: 136 ppm
Print Resolution:	VCSEL: 2400 x 4800 dpi Print: 1200 x 1200 dpi
Warm Up Time:	300 seconds
Dimensions (W x D x H):	1,141 x 900 x 1,705 mm
Weight:	428 kg
Power Source:	220-240V, 16A, 50/60 Hz
Power Consumption:	Pro 8310s: Less than 3,010W Pro 8320s: Less than 3,350W
Unit Life:	60,000,000 A4 prints or 5 years
Duty Cycle:	Pro 8310s: 3.3 million impressions per month Pro 8320s: 4 million impressions per month

Scanner

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

Media Handling

Paper Input Capacity:	1st Tray (standard) 1,100 sheets x 2 (Tandem) 2nd Tray (standard) 550 sheets 3rd Tray (standard) 550 sheets Optional: A4 LCIT 4th Tray 1,100 sheets 5th Tray 1,100 sheets 6th Tray 2,800 sheets Optional: A3 LCIT 4th Tray 1,100 sheets 5th Tray 2,200 sheets 6th Tray 1,100 sheets Optional: Vacuum Feed LCIT All Tray 2,200 sheets each (Tray 4-7) Optional: Bypass Tray 500 sheets
Paper Capacity:	Maximum Input Capacity: 12,600 sheets Maximum Output Capacity: 14,500 sheets
Paper Size:	Width: 100.0 to 330.2 mm Length: 139.7 to 700 mm
Paper Weight:	1st Tray (standard) 52.3 - 256 gsm 2nd Tray (standard) 52.3 - 256 gsm 3rd Tray (standard) 52.3 - 256 gsm Optional: A4 LCIT 4th Tray 52.3 - 216 gsm 5th Tray 52.3 - 216 gsm 6th Tray 52.3 - 163 gsm Optional: A3 LCIT 4th Tray 52.3 - 256 gsm 5th Tray 40.0 - 300 gsm 6th Tray 52.3 - 256 gsm Optional: Vacuum Feed LCIT All Trays 40.0 - 350 gsm (Tray 3 - 8) Optional: Bypass Tray 52.3 - 216 gsm

Print Controller

Configuration:	Embedded
CPU:	Intel Atom Processor Bay Trail - 1 (1.91 GHz)
Memory:	2GB
HDD:	640GB
Operating System:	Linux
Network Protocol:	TCP/IP (IP v4, IP v6)
PDL:	PCL5e, PCL6, PDF, JPEG, TIFF, XPS, RP/GL2
Optional PDL:	Adobe PostScript 3, IPDS
Font:	PCL: 45 fonts, 13 international fonts
Network Interface:	Ethernet 1000 - T/100 - TX/10 base-T

EFI Fiery EB-35 Print Controller

Configuration:	Optional: External
CPU:	Intel Pentium processor G4400 (3.3 GHz)
Memory:	8GB
HDD:	500GB
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:	1200 dpi / 2-bit
Font:	PS3 136 + 2mm, PCL 80
Network Interface:	Ethernet 1000 - T/100 - TX/10 base-T

Options

Paper Feeding Accessories:	Friction Feed LCIT RT5130, Friction Feed LCIT RT5110, Vacuum Feed LCIT RT5120, Bridge Unit BU5010, Vacuum Feed Banner Sheet Tray Type S9, Multi Bypass Tray BY5020, Multi Bypass Banner Sheet Tray Type S9, Multi Bypass Attachment Kit Type S9 for Vacuum Feed LCIT, A3 Tray Unit TK5020, Media Identification Unit Type S3
Finishing Options:	Decurl Unit DU5070, Buffer Pass Unit Type S11, Cover Interposer Tray CI5040, Cover Interposer Tray Double-Feed Detection Kit Type S11, High Capacity Interposer HC13500, Multi-Folding Unit FD5020, Ring Binder RB5030, GBC StreamPunch Ultra, High Capacity Stacker SK5040, Finisher SR5110, Booklet Finisher SR5120, Bridge Unit BU5020, SR5000 Series Output Tray for Banner Sheet Type S6, Trimmer Unit TR5050, Plockmatic Banner Sheet Stacker, Plockmatic PBM350e, Plockmatic PBM500e, RPIP Interface Box Type S3, Roll-Away Cart Type 5010, Punch Unit PU5030
Other Options:	ADF Double-Feed Detection Kit, Optional Counter Interface Unit Type M12, File Format Converter Type M18, OCR Unit Type M13, VM Card Type P18, Unicode Font Package for SAP 1 License, Unicode Font Package for SAP 10 License, PostScript 3 Unit Type S11, IPDS Unit Type S11, XPS Direct Print Option Type S11, IEEE 802.11a/b/g/n Interface Unit, EFI Fiery EB-35 Print Controller

Workflow Solutions

Ricoh TotalFlow: Prep, TotalFlow Production Manager, Ricoh ProcessDirector, BatchBuilder, FusionPro VDP Suite, EFI Digital StoreFront, EFI Quick Print Suite, Fiery Impose, Fiery Compose, Fiery Central, Fiery JobMaster, Fiery JobFlow, Objectif Lune OL Connect Suite.

Note: Unless stated otherwise the data used in this brochure is based on A4 80 gsm standard media.

RICOH
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