

B&W Production Printer

RICOH Pro 8220s/8210s 8200s

✓ Copier ✓ Printer ✓ Scanner

RICOH
imagine. change.



8200s

96
ppm B/W

8210s

111
ppm B/W

8220s

136
ppm B/W

**Higher quality, more reliable, more versatile printing.
With enhanced paper-handling and much more, these
next-generation production printers open up even more
print-on-demand opportunities for your business.**

The RICOH Pro™ 8220s, 8210s and 8200s are high-end black and white production printers delivering next-generation performance to help you stay ahead in an ever-evolving industry. With high resolution (1,200 x 4,800 dpi) achieved by VCSEL* technology, these models offer outstanding reproductive capabilities. Featuring highly accurate duplex registration and enhanced paper handling, they provide powerful support for a variety of production printing operations, from short-run, on-demand production of books and materials, to business cards and direct mail.

And, as you'd expect of any "Pro" machine, these models offer the high robustness and reliability to dramatically expand the opportunities for your business.

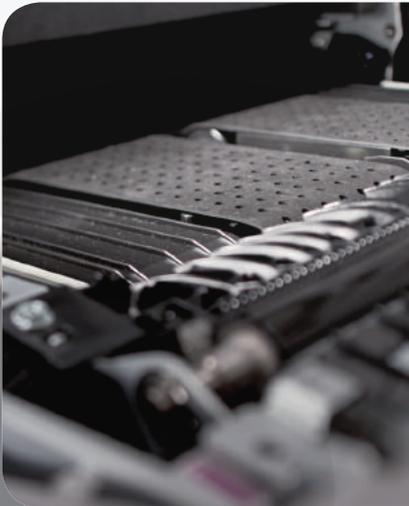
*Vertical Cavity Surface Emitting Laser



RICOH Pro 8220s/8210s/8200s



Designed to maximise your success



High productivity

- With a maximum monthly volume of 1,000k (A4) the Pro™ 8200 series supports high-volume usage and seasonal peak printing volumes
- Modified paper guides reduce static and coupled with a revised airflow design lowers internal temperatures ensuring long print runs
- New belt-fusing technology incorporates a new paper separation plate which does not contact the hot roller to prevent scratches and gloss streaks
- New Process Control technology and stability of image density ensures print quality is maintained even on long runs

The latest laser technology

Our innovative VCSEL technology gives best in class resolution of 1,200 x 4,800 dpi creating outstanding image quality. VCSEL has as many as 40 laser beams emitting simultaneously to give exceptionally accurate and smooth, professional quality.

*Vertical Cavity Surface Emitting Laser



Usability

- Designed to maximise uptime and ensure simple troubleshooting processes
- Status Light Pole – can see operational status even from a distance
- Operational panel with customisable home screen
- Enhanced ORU (Operator Replaceable Units) to minimise downtime

Opens up new opportunities



Enhanced processing performance

The Pro™ 8200 series incorporates a high-performance 1.86 GHz Celeron Processor, 2GB memory and 320 GB x 2 SATA. It delivers faster processing of complex print jobs and supports finishing options to suit your requirements and broaden your client offering.

Wider paper support

The Pro™ 8200 series gives your business more print opportunities to offer your customers and profitability.

- Superb printing performance on everything from carbonless paper and textured and coated media to envelopes and pre-printed forms
- Accurate duplex registration
- Easy setting of appropriate print requirements via enhanced Paper Library



Extend your markets

From textbooks and luxury books to office documents, manuals and poster printing, the Pro™ 8200 series lets you drive new business. You can also take advantage of a wide choice of peripherals including multi-folding unit, decurl unit, perfect binder, ring binder, booklet finisher and more.

Widens your environment



Maximise uptime

- Improved flat paper path avoids occurrence of jams and paper tears
- Double feed detection sensor avoids misfeeds of pre-printed paper – so print quality is assured and problems avoided
- Decurl Unit reduces risk of paper curl which could cause paper jams
- Twin toner replacement mechanism, active tray indicators and operator call light help minimise downtime

Enhanced paper library

The extensive library holds over 200 profiles tested and proven by Ricoh. There's also a custom library for personalised media profiles along with a back-up capacity for an additional 1,000 profiles. It gives real scope to take advantage of a diverse range of print opportunities.



Energy saving

- Eco-friendly indicator helps increase paper usage awareness by displaying the paper reduction and duplex ratios of each user
- New recovery methods from energy save mode reduce power consumption
- Power On/Off timer reduces TCO and energy costs

New options. New opportunities



Vacuum Paper Feed

- Air vacuum to handle heavy media with a coated surface
- Supports media weight (mainframe specific) 40gsm up to 350gsm
- Delivers air to front and sides of the media so each sheet can be delivered separately
- Offers a high level of feeding accuracy for greater productivity
- Up to two units can be combined

Robust functionality for maximum productivity

The Ricoh Pro™ 8200 series are available with an advanced external EFI Fiery server. With a new user interface and extended functionality, it offers ease-of-use enhancements that help simplify file management and job workflow for greater efficiency.



LCT and Active Tray Indicator

- The Large Capacity Trays have easy-to-see Active Tray Indicators
- Paper trays indicate status of paper feed which prevents opening an active tray so avoids possible paper jam
- Allows users to know which trays are not in use so they can be refilled for the next job to speed up operation
- Supports up to 330 x 487mm paper size
- Offers enhanced Paper Feed Capacity
- Air-Assist Paper Feed enables ease of handling of various paper types such as coated paper and paper thickness of 40gsm up to 350gsm

More advantages and benefits

Standard Finisher and Booklet Finisher

- Stack capability: media up to 330 x 487mm
- Media weight: 52 - 216gsm
- Up to 2,500 sheets on Shift Tray (A4/LT, 80gsm)
- 100 sheets staple (B5-A3/215 x 279 - 279 x 431mm, 80gsm)
- Book Finisher offers the same stack capacity with Up to 25 sheet booklet (B5-SRA3/215 x 279 - 330 x 487mm, 90gsm)
- Booklet Finisher has one-side edge trimmer as an option
- Enables creation of professional booklets



Multi-Folding Unit

- Offers six options for paper folding
- Supports from 64gsm to 105gsm including coated paper
- For 2-Fold, 3-Fold In and 3-Fold Out, multi-page folding is available up to three pages from 64 - 90gsm
- Ideal for direct mail opportunities



Ring Binder

- Fully automates binding workflow, saving time and labour costs
- Ease of operation as the system processes from printing to closing rings without manual intervention
- Two sizes of consumable rings are available for 50 or 100 A4 sheets
- Black/white coloured rings available



Increase output with ease

High Capacity interposer (HCI 3500)



- Simplified production processes
- Increases productivity
- Ideal for adding in pre-printed colour cover or inserts
- Hold up to 3500 sheets of pre-printed stock

Plockmatic Booklet Maker

- 50 sheet or 35 sheet Production Booklet Making System (80gsm paper)
- Creates high quality 200 page (or 140 page) saddle-stitched and square folded booklets at rated engine speed
- Optional Bleed trim and creasing capabilities eliminate manual processing
- Supports up to 300gsm media - coated or uncoated - for a wide range of applications
- A newly designed precision face trimmer module allows you to trim the shingle effect off the booklet as required for a clean, professional look
- Off-line mode enables manual booklet making from documents produced on other devices



GBC StreamPunch Ultra

- Wide media range - up to 300gsm
- Tab processing on the trailing edge of the sheet
- World's first 'Double Punch' capability supporting a wider variety of standard sizes including A3/DLT
- New Die Set design



Saving time. Speeding up production

Paper Decurl Unit

- The optional Paper Decurl Unit uses two paths to deal with concavity and convexity curls
- It puts an end to the common problem of curling paper especially when printing with high toner coverage, on thin paper and paper with long grain



High Capacity Stacker

- This new option stacks up to 5,000 sheets (SRA3, A4, LT size) on shift tray and 250 sheets on one proof tray
- Up to two stackers can be attached
- Includes roll-away cart as standard
- Ensures ease of high volume outputs

Secured tray for valuable papers*

- Paper Trays and optional Stacker unit can be secured with a lock
- Offers extra security for customers such as banks and security companies handling sensitive data
- Opportunity to provide this service to expand your offering

*selected trays



All the options you need to succeed



1 Pro™ 8200 series

2 Colour LCD Panel

3 4,400 sheet vacuum feed large capacity tray

4 Standard paper trays

5 High Capacity Interposer

6 5,000 sheet stacker

7 Booklet Finisher

8 Optional Bypass

9 Optional Decurl Unit*

10 ARDF Document Feeder

EFI Controller**

3,000 sheet finisher**

Plockmatic Crease Trimmer**

Plockmatic Booklet Maker**

Ring Binder**

Booklet Trimmer**

Multi Folding Unit**

Stream Punch Ultra**

Perfect Binder**

* Optional Decurl Unit is located inside mainframe and not visible

** Not illustrated

Pro™ 8200 series

MAIN SPECIFICATIONS

GENERAL

Technology:	1-drum dry electrostatic transfer system with internal transfer belt
Fusing:	Oil-less belt-fusing method
Toner Type:	Newly formulated pulverized toner
Print Speed:	Ricoh Pro™ 8200S - 96 PPM Ricoh Pro™ 8210S - 111 PPM Ricoh Pro™ 8220S - 136 PPM
Scan Resolution:	Scan: 600 x 600dpi
Print Resolution:	Max 1200 x 4800dpi VCSEL
Warm-up time:	360 seconds or less
Dimensions (WxDxH):	1320 x 1110 x 1460mm
Weight:	415kg
Power Source:	220-240V, 50/60Hz, 16A
Max Monthly Volume:	1,000K

SCANNER FEATURE

Resolution:	100/150/200/300/400/600dpi 200dpi as a default
Scan Speed: (single pass duplex DF)	B&W 120(simplex)/220(duplex) (A4/LET LEF/200dpi/300dpi-1bit) Colour 120(simplex)/220(duplex) (A4/LET LEF/200dpi-4bit/300dpi-4bit)
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 (op) 550 sheets Vacuum Feed LCT (op) T1 tray 2,200 sheets T2 tray 2,200 sheets
Max. Input Capacity:	(Max) 12,650 sheets (with options)
Max. Output Capacity:	13,750 (with options)
Paper size:	Maximum: 330 x 487.7 mm
Printable Area:	320 x 480 mm
Paper Weight:	1st tray (std) 52.3 - 256gsm 2nd tray (std) 52.3 - 256gsm 3rd tray (std) 52.3 - 256gsm A4/LT LCT (op) 4th tray 52.3 - 216gsm 5th tray 52.3 - 216gsm 6th tray 52.3 - 163gsm A3/DLT LCT (op) 4th tray 52.3 - 256gsm 5th tray 40.0 - 300gsm 6th tray 52.3 - 256gsm Bypass Tray (op) 52.3 - 256gsm Vacuum Feed LCT (op) T1 - T2 tray 40-350gsm

CONTROLLER

Configuration:	Embedded
CPU:	Intel® Celeron® Processor P4505 1.86GHz
Memory:	2GB
HDD:	Standard: 640GB (320GB x 2)
DVD-ROM Drive:	N/A
Operating System:	Windows Vista/7/8.1/10/Server 2008/2008 R2/2012/2012 R2, Unix: Sun Solaris, HP-UX, SCO OpenServer, Red Hat Linux, IBM AIX, Citrix Presentation Server4.5/Citrix XenApp5.0, Mac OS X v.10.2 or later, SAP R/3, NDPS Gateway, IBM iSeries/ AS/400-using OS/400 Host Print Transform

Network Protocol:	TCP/IP (IP v4, IP v6)
PDL:	PCL5e, PCL6, PDF
Optional:	Adobe PostScript 3, IPDS
Supported Data Format:	PDF, TIFF, JPEG
Print Resolution:	1200 x 4800 (dpi)
Font:	PCL: 45 fonts, 13 International fonts
Network Interface:	Ethernet 1000Base-T/100Base-TX/10Base-USB2.0 TypeA (2 port on back of the machine, 1 port on operational panel), TypeB, SD Slot on operational panel

EFI CONTROLLER

Configuration:	External
CPU:	Intel® Processor G850 2.9GHz
Memory:	4GB
HDD:	500GB SATA
DVD-RW Drive:	Supported
Operating System:	Windows Embedded 8.1 Pro Embedded
Network Protocol:	TCP/IP (IP v4, IP v6), SMB
PDL:	PostScript 3, PCL5e, PCL6
Supported Data Format:	PDF, TIFF, JPEG
Print Resolution:	1200dpi/1bit, 600dpi/1bit 600dpi in PCL5e
Font:	PS3 138, PCL 81
Network Interface:	Ethernet 1000/100/10Base-T x2

OTHER OPTIONS

A3/DLT Tray Kit, Vacuum Feed Large Capacity Tray (Vacuum Feed LCIT RT5100), A4/LT Large Capacity Tray (RT5070), SRA3 Large Capacity Tray (RT5080), Multi Bypass Tray (BY5010), High Capacity Stacker, 3,000 Sheets Finisher With 100 Sheets Stapler (SR5050), Booklet Finisher (SR5060), Booklet Trimmer (TR5040), Cover Interposer Tray (CI5030), Ring Binder (RB5020), Perfect Binder (GB5010), Decurl Unit (DU5030), RPIP Interface Box Type S3, Multi-Folding Unit (FD5020), Plockmatic Booklet Maker, GBC StreamPunch Ultra, EFI™ Fiery Controller, Plockmatic High Capacity Interposer (HCI 3500)

WORKFLOW SOLUTIONS

Ricoh TotalFlow: Prep, Print Manager, Production Manager & Path.

ENVIRONMENTAL INFORMATION

Pro™ 8200 series complies with Energy Star 1.2 standards.



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www.ricoh-europe.com

ISO9001 certified, ISO14001 certified.

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