

B&W Production Printer

# RICOH Pro 8220/8210

Printer

**RICOH**  
imagine. change.



Pro 8210

111  
ppm B/W

Pro 8220

136  
ppm B/W

# It's never been easier to grow your print

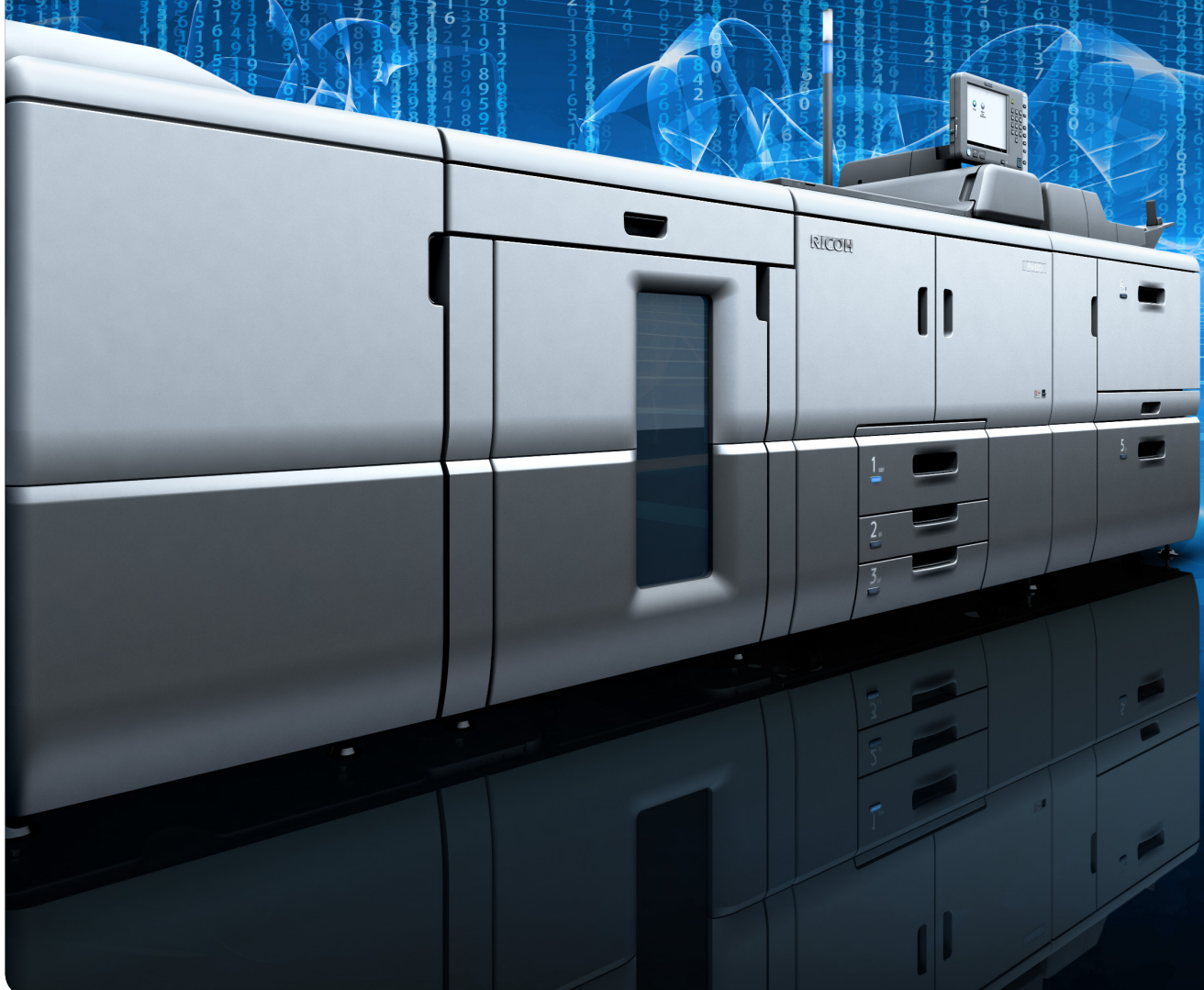
Simplify the way you print with superior performance from the RICOH Pro™ 8210/8220 production printer. Deliver high-speed black-and-white documents and expand your print production capabilities.

Impress with high-quality newsletters, advertisements, bulletins, direct mail and much more on diverse media, including thicker paper stocks and larger sizes.

Choose from multiple automated finishers to give every document a polished, professional look. Create automated shortcuts and utilize preconfigured settings quickly to save time.

Change consumables and make adjustments on the fly.

And do it all with intuitive controls that help you simplify the most complex workflows and meet the tightest deadlines.



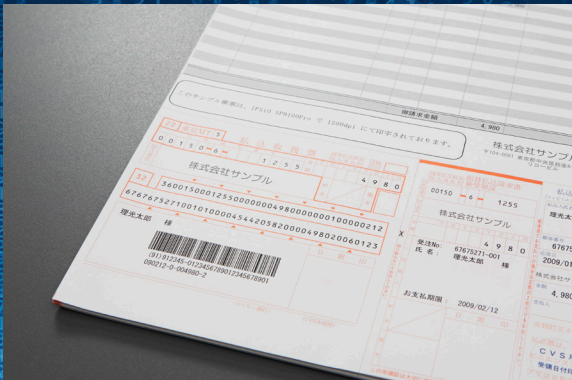


## Delivering the high productivity and reliability that will streamline your business

Designed for use in intensive production environments, offering reliable and immaculate output at speed. Delivering outstanding productivity, achieving A4 output speeds of up to 136ppm\*1\*2, with a maximum monthly volume of up to a million pages and a lifespan total of 60 million pages.

\*1 RICOH Pro 8220 (RICOH Pro 8210: 111ppm)

\*2 For continuous A4 landscape output using paper of 40 to 246gsm.  
Note: The screen display shown here is a composite image.



## Crisp, high-definition print quality

These models use VCSEL\* technology to provide clean, smooth image quality with 1200×4800dpi resolution. Other innovations include a seamless intermediate transfer belt and a high-precision adjustment mechanism for more accurate skew correction.

\* Vertical Cavity Surface Emitting Laser



## Smooth, versatile paper-handling

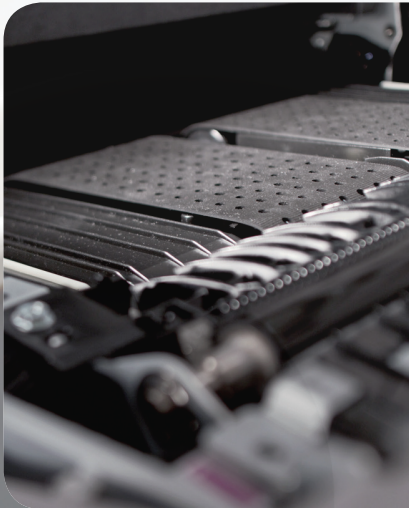
These models support a wide array of paper sizes ranging from a minimum of 100×139.7mm right up to 700mm. With no reduction in A4 LEF productivity when printing double sided and onto heavyweight plain paper. An air-pickup high-volume paper feed tray option is also available.



## Full range of solutions ensuring greater reliability for your output operations

These models are designed to be the heart of a business, handling a variety of specifications required in different output formats, print-run sizes. These new systems can be tailored to meet all your production needs. Ricoh offers a full range of solutions, creating a more reliable printing environment for your core operations.

# 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 1.86GHz Celeron Processor, 2GB memory and 320GB x 2 SATA. It delivers faster processing of complex print jobs and supports finishing options to suit your requirements and broaden your client offering.

## Wide 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\*

**3,000 Sheet Finisher\*\***

**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:	8210 - 111PPM 8220 - 136PPM
Resolution:	Max 1200 x 4800dpi VCSEL
Warm-up time:	360 seconds or less
Dimensions (WxDxH)	1,141 x 900 x 1,146mm
Weight:	410kg
Power Source:	220-240V, 50/60Hz, 16A
Max Monthly Volume:	1,000K

## 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:	12,650 sheets (with options)
Max. Output Capacity:	13,750 sheets (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/7/8/8.1/10/Server 2008/2008 R2/2012/2012 R2 2003, Unix: Sun Solaris, HP-UX, SCO OpenServer, Red Hat Linux, IBM, AIX, Citrix Presentation Server 4.5/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 Systems x64
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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