

# Pro™ 8100S/8110S/ 8120S

Heavy-Duty Digital Black and White  
Production Printers



Pro™  
8100S

95  
ppm Black & White

Pro™  
8110S

110  
ppm Black & White

Pro™  
8120S

135  
ppm Black & White

# Advanced technology for higher productivity

At Ricoh, our continually evolving solutions are designed to drive digital expectations into the next generation of production printing. That's why you'll find our Pro™ 8100S series of mono production printers offer exceptional reliability along with outstanding image quality and paper handling. It results in greater productivity and opens up new opportunities for revenue - just what you need in this highly competitive environment.

- Superior image quality
- Enhanced robust design
- Excellent paper handling
- Superb reliability
- Maximum uptime



## Raising performance. Lowering costs



### High speeds and image quality

These new generation digital printers offer outstanding monochrome print speeds of up to 135ppm plus scanning speeds of 120 (simplex) and 220 (duplex). The latest VCSEL technology and new toner formulation ensure supreme image quality for consistently professional results.



### Robust and reliable

With its new distinctive design and improved flat paper path, the Pro™ 8100S series raises the bar for reliability. It enables you to produce extended runs with excellent and stable quality; delivering higher productivity whilst lowering costs.



### Broad paper handling

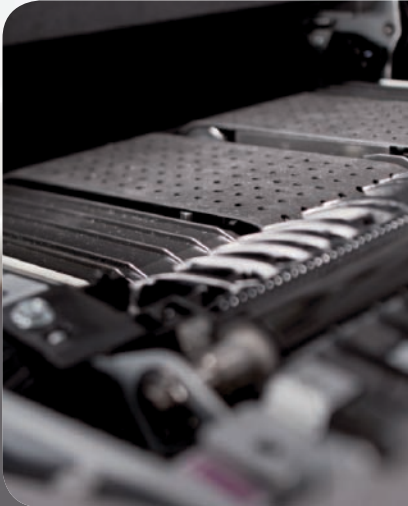
The Pro™ 8100S series will support heavy coated paper, textured media and pre-printed paper. It also offers a wide range of paper latitude – supporting SRA3 paper size as standard and up to a maximum of 320mm x 480mm. All of which helps you capture more jobs from books and manuals to envelopes, invoices and direct mail.



### Simple and easy operation

A new large colour LCD Touch Panel with customisable home screen allows programming of short cuts for frequently used job operations. Includes Status Light Pole so you can monitor operation from a distance and 'on the fly' toner replacement to maximise uptime and productivity.

# Designed to maximise your success



## High productivity

- Duty cycle of 3,000k pages per month with 60M lifespan (135ppm model) 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.



## 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 Replacable Units) to minimise downtime



# Opens up new opportunities



## Enhanced processing performance

The Pro™ 8100S series incorporates a high-performance 1.86 GHz Celeron Processor, 2GB memory and 250 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.

## Wide paper support


The Pro™ 8100S series gives your business more print opportunities to offer your customers and drive profitability.

- Superb printing performance on everything from 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™ 8100S 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

# All the options you need to succeed



**1** Pro™ 8100S/8110S/8120S

**2** Colour LCD Panel

**3** 4,400 Sheet SRA3 LCT Large Capacity Tray

**4** 3 Standard Paper Trays:  
- Tandem tray with 2x 1,100 A4 sheet paper (tandem)  
- 2 x 550-sheet  
3,300 sheet capacity in total

**5** Cover Interposer / Inserter

**6** 3,000 Sheet Finisher with 100 sheet stapler

**7** Plockmatic Crease Trimmer

**8** Plockmatic Booklet Maker

**9** Optional Bypass

**10** Optional Decurl Unit\*

☐ 5,000 A4/LCT Large Capacity Tray\*\*

☐ Ring Binder\*\*

☐ Booklet Finisher\*\*

☐ Booklet Trimmer\*\*

☐ Multi Folding Unit\*\*

☐ Stream Punch Pro\*\*

☐ Perfect Binder\*\*

\* Optional Decurl Unit is located inside mainframe and not visible

\*\* not illustrated

# Pro™ 8100S/8110S/8120S

## 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™ 8100S: 95PPM Ricoh Pro™ 8110S: 110PPM Ricoh Pro™ 8120S: 135PPM
Resolution:	Scan: 600 x 600 dpi
Print:	Max 1200 x 4800dpi VCSEL
Warm-up time:	360 seconds or less
Dimensions (WxDxH)	1,320 x 1,110 x 1,460 mm
Weight:	415kg
Power Source:	220-240V, 50/60Hz, 16A
Power Consumption:	Ricoh Pro™ 8100S: 3,200W Ricoh Pro™ 8110S: 3,400W Ricoh Pro™ 8120S: 3,700W
Duty Cycle:	Ricoh Pro™ 8100S: 2,100K Ricoh Pro™ 8110S: 2,400K Ricoh Pro™ 8120S: 3,000K

### 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/LET Tray (optional) 4th tray 1,100 sheets 5th tray 1,100 sheets 6th tray 2,800 sheets A3/DLT Tray (optional) 4th tray 1,100 sheets 5th tray 2,200 sheets 6th tray 1,100 sheets Bypass Tray (optional) 7th tray 550 sheets (Max) 8,850 sheets
Max. Input Capacity:	(Max) 8,850 sheets
Max. Output Capacity:	3000 + 250 sheets
Paper size:	Maximum: 330 x 487.7 mm
Printable Area:	320 x 480 mm

Paper Weight:	Standard Trays 52.3 - 256gsm, 14lb Bond - 95lb Cover Bypass Tray (op) 52 - 216gsm, 14lb Bond - 95lb Cover A4/LET Tray (op) 4th tray 52.3 - 216gsm, 14lb Bond - 80lb Cover 5th tray 52.3 - 216gsm, 14lb Bond - 80lb Cover 6th tray 52.3 - 163gsm, 14lb Bond - 90lb Index A3/DLT Tray (op) 4th tray 52 - 256gsm, 14lb Bond - 95lb Cover 5th tray 40.0 - 300gsm, 11lb Bond - 110lb Cover 6th tray 52.3 - 256gsm, 14lb Bond - 95lb Cover A4/LET Tray (op) 52.3-216.0gsm A3/DLT Tray (op) 40-300.0gsm
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### COLOUR CONTROLLER

Configuration:	Embedded
CPU:	Intel® Celeron® Processor P4505 1.86GHz
Memory:	2GB
HDD:	Standard: 500GB (250GB x 2)
DVD-ROM Drive:	N/A
Operating System:	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2003, Windows Server 2003R2, Windows Server 2008, Windows Server 2008R2, Windows Server 2012 Netware: 6.5 with Netware option Unix: Sun Solaris, HP-UX, SCO OpenServer, Red Hat Linux, IBM AIX 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 PostScript3, 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

### OTHER OPTIONS

Heavy-Duty Digital Black and White Production Printer with optional Booklet Finisher (2,500 sheets), Booklet Trimmer, Ring Binder, Perfect Binder, 2-source Cover Interposer, Multi Folding Unit, Decurl Unit, A4/LET LCT, A3/DLT LCT, Plockmatic.

### WORKFLOW SOLUTIONS

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

### ENVIRONMENTAL INFORMATION

Pro™ 8100S comply with Energy Star 1.2 standards.



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