B&W Production Printer

RICOH Pro
8100S/8110S/8120S

☑ Printer ☑ Copier ☑ Scanner
High impact, low-cost production workflow

The Ricoh Pro 8100S Series black-and-white production printer offers a combination of power and versatility to deliver high-quality output that impresses system operators as much as customers. Take advantage of easy-to-use controls and advanced print technology to perform a wide range of commercial corporate production tasks with incredible precision in less time. Designed to print quickly on diverse media, the Ricoh Pro 8100S, 8110S or 8120S will add capacity to your workflow contributing to your bottom line. Select it as the primary device in production-class print environments, or integrate it with an extensive Ricoh Managed Document Services (MDS) strategy.

- Produce up to 135 black-and-white pages per minute
- Create compelling images with up to 1,200 x 4,800 dpi resolution
- Handle a wide range of media up to 330 x 487 mm
- Distribute documents freely with advanced scanning capabilities
- Access to 8,850 sheets for outstanding paper capacity
- Complete more jobs in-line for greater productivity
Create with clarity

Take advantage of high quality resolution to produce reports, booklets, newsletters and more with crisp text and images. Its innovative Vertical Cavity Surface Emitting Laser (VCSEL) technology produces 1,200 x 4,800 image resolution from a 40-beam laser for precise front-to-back registration. Plus, it maintains exceptional alignment on each page for booklets, postcards, business cards and other two-sided documents.

Reliable output under control

The Ricoh Pro 8100S Series delivers consistent image quality with unwavering reliability. Featuring an indirect image transfer mechanism to minimise scratch marks, toner scattering and shock jitter to economically produce near-offset quality output. The oil-free fusing unit transfers images seamlessly from thin to thick paper stocks without streaking. This high performance device also features a single-pass document feeder that enables users to scan both sides of an A4 document at 220 images per minute.

Superior image control

Enhance documents with smooth and accurate output. The Ricoh Pro 8100S Series uses Ricoh’s innovative pulverised toner, with smaller, more uniform particles to create sharper images and smoother halftones. The result: supreme image quality and consistent results. New Process Control technology and stability of image density maintains print quality - even on long runs. Plus, it offers reduced costs: by fusing at a lower temperature it requires less energy and its lower pile height means toner lasts longer.
Fast-paced production for demanding workloads

Operate with ease

The Pro 8100S Series includes several unique features designed specifically to simplify production tasks. The large control panel offers thumbnail views, previews and versatile editing controls. It’s raised to give users immediate access while keeping them in a comfortable working position. An Operator Call Light extends from the top of the device so users can be alerted quickly—even from across the room—that the device requires attention for low supply levels or other service needs. An Active Tray Indicator Light on each paper tray signals which one is in use, so refills can be completed without interrupting print runs.

Extend print runs

Keep pace with the most aggressive production demands. The Ricoh Pro 8100S Series is engineered to pack a wide range of features into compressed production room spaces. It prints up to 135 pages per minute for incredible throughput, with duty cycle runs of up to three million prints per month. Intelligent controls maintain optimal temperatures to reduce static electricity and optimise paper-sensing sequencing for maximum uptime.

Unrelenting productivity and efficiency

Turn productivity into potential profits. The RICOH Pro 8100S Series simplifies and expedites maintenance tasks to keep workflow moving. Trained users can replace key components and consumables – including drums, rollers, fusing units and more — in only a few minutes without technical assistance. In fact, with the twin toner bottle mechanism, depleted toner bottles can be replaced without any print interruptions.
Designed to exceed your needs

Automated, end-to-end finishing
Bring more jobs in-house. The Ricoh Pro 8100S Series offers extensive in line finishing options to manage professional-grade documents from input to output, with less manual labour. A redesigned finishing interface dramatically reduces the time between job runs. It delivers fully automated stapling, hole punching, saddle stitching, cover insertion, de-curling and more for faster turnarounds. An impressive ring binder accepts oversized paper and thicker stocks. The booklet finisher features a limitless output mode for virtually non-stop output. In addition, the system offers multiple-page folding for direct mail and other output.

Handle more types of media
Ample paper capacity of 8,850 sheets is bolstered by diverse media handling that can print on paper up to 330 mm x 487 mm. Print postcards with thicker stocks up to 300 gsm for standard output and up to 300 gsm for duplex. The Ricoh Pro 8100S Series accommodates textured, heavy-coated and other special stocks automatically - including envelopes. A robust Paper Library features preset and fully customisable paper settings. The library also includes more than 60 frequently used printing attributes to ensure reliability and productivity.

Versatile controllers
With a choice of two controllers, the Ricoh Pro 8100S Series caters to your print environment’s specific needs.
• The GWNX Controller, which comes standard, offers everyday simplicity and versatility to production output. Stable and functional, it supports basic job management and binding, along with the ability to print from driver, USB or SD card, making it a cost-effective solution for budget-conscious departments.
• The Fiery EB-32 Controller offers end-to-end automated workflows for advanced print management to expedite and simplify production printing. Based on EFI’s popular server technology, this digital front end supports a wide range of capabilities including Advanced Job Re-order, Tab Inserts and more. The Controller’s Paper Catalog feature automatically integrates with the Pro 8100S Series’ Paper Library function to instantly synchronise custom paper settings.
Take advantage of innovative features to improve productivity

1. **CI5030 Cover Interposer Tray (Optional):**
   Feed pre-printed sheets from two sources for front and back covers.

2. **SR5050 3,000-Sheet Staple Finisher (Optional):**
   Achieve 100-sheet stapling with the ability to output documents up to 330 x 487 mm. Add the optional Hole Punch Unit for even more flexibility.

3. **SR5060 2,500-Sheet Booklet Finisher (Optional):**
   Produce stapled and saddle-stitched booklets cost-effectively with the in line Booklet Finisher. Also available with an optional Booklet Trimmer Unit and Hole Punch Unit.

4. **FD5020 Multi-Folding Unit (Optional):**
   Execute Z-folds, half folds, gatefolds and more to create a variety of finished documents.

5. **DU5030 Decurl Unit (Optional):**
   Promote more accurate stacking and higher throughput by reducing the risk of paper curling.

6. **220-Sheet Automatic Document Feeder (Standard):**
   Copy and scan jobs more efficiently with single-pass colour duplex scanning—up to 220 ipm (in duplex mode). A built-in sensor also prevents missing pages caused by original double feeding.

7. **BY5010 Multi Bypass Tray (Optional):**
   Feeds up to 550 sheets of special paper stocks and sizes for expanded system capacity and document output types.

8. **Full-Colour, 10.4” SVGA Control Panel (Standard):**
   Easily navigate from job to job with fingertip control via the post-mounted, intuitive screen.

9. **Operator Call Light (Standard):**
   Visually alert operators to changes in system status for prompt attention.

10. **Oversize and Heavy Media Support:**
    Accepts 330 x 487 mm paper sizes and heavy media (up to 300 gsm Cover through the RT5080 LCT) to give you many more options for in-house production.
**GBC StreamPunchTM Pro EX (Optional):**
Create professional quality bound books with in line punching in a variety of patterns.

**Plockmatic BK5030 Booklet System (Optional):**
Makes booklets with up to 30 sheets (120 pages) with optional three-sided trimming and square fold.

**Versatile Controller Support (Standard):**
The standard embedded print controller helps meet your unique printing and workflow requirements most efficiently. The embedded controller supports PCL5e/6 as standard PDL. Optional genuine Adobe PostScript 3 and genuine IPDS are available to integrate seamlessly into almost any host environment with incredible reliability and page-recovery capabilities.

**Fiery EB-32 Controller (Optional):**
Enjoy end-to-end automated workflows for advanced print management with a new fiery EB 32 Controller. Based on EFI’s popular fiery server technology, it supports a wide range of capabilities including Advanced Job Re-order, Tab Inserts and more.

**Paper Trays (Standard):**
Standard paper sources include the tandem 2 x 1,100 Sheet Paper Tray and 2x 550-Sheet Paper Trays for a total paper capacity of 3,300 sheets. With additional paper sources, this system can hold up to 8,850 sheets.

**RT5080 and RT5070 Large Capacity Trays (Optional):**
For maximum versatility, select the RT5080 4,400-Sheet LCT to reliably feed up to 300 gsm Cover stock and up to 330 x 487 mm sheets. Or, choose the RT5070 5,000-Sheet LCT to handle paper sizes up to A4 and up to 216 gsm.

**Active Tray Indicators (Standard):**
Indicator light shows which tray is in use, allowing operators to refill other paper sources while the system is running.

**RB5020 Ring Binder (Optional):**
Automatically collate, hole punch, insert and close rings in line for up to 100-sheet documents with no manual intervention.

**GB5010 Perfect Binder (Optional):**
Glue-bind up to 200 sheets/booklet, including covers up to 300 gsm, along with three-edge trimming for truly professional looking documents.
Versatility that can be seen and shared

Reduce operating costs by managing a wider range of document tasks using a single versatile device. The powerful Ricoh Pro 8100S Series includes a scan-to-email, folder, URL, PDF and more, so documents can be distributed simultaneously for faster, more affordable communications. Search PDF files via keywords with the embedded Optimised Character Recognition (OCR) option. In addition, the Ricoh Pro 8100S Series allows users to print files from or scan to USB or SD cards for convenient media printing while on the move.

Manage jobs with ease, protect them with advanced controls

Extend into new markets

The Enhanced Paper Library holds over 200 profiles that have been tested and proven by Ricoh. There’s a custom library for personalised media profiles along with a back-up capacity for an additional 1,000 profiles. Whether you’re a corporate repographic centre, commercial printer, print-for-pay or agency, the media support, teamed up with the Ricoh Pro 8100S Series’ heavy duty cycle, superb output and inline finishing will broaden your offering to customers.

Protect documents as well as your fleet

The Ricoh Pro 8100S Series includes a host of features to simplify fleet management and security tasks. Administrators can take advantage of Ricoh’s @Remote solution to collect meter data, receive toner and service alerts automatically and generate critical reports. User authentication controls ensure that only authorised owners can access print jobs with sensitive information. Secure Socket Layer (SSL) technology protects data from interception, analysis and tampering. The DataOverwriteSecurity System (DOSS) automatically overwrites any files on the hard drive to render them unreadable. HDD encryption adds another layer of protection against hackers.

Versatility that can be seen and shared
Optimum yet flexible solutions for your print environment

Ricoh's TotalFlow is where software, services and skills come together in a portfolio of flexible and powerful one-stop print management solutions that will save you time and money, while also reducing wasted resources, whatever your print environment. Drawing on a rich heritage of continuous research and development, Ricoh TotalFlow brings together a comprehensive and market leading portfolio of flexible and powerful end-to-end output management solutions. Developed by Ricoh as well as through strategic third party developers, Total Flow can streamline your entire production output process from commercial print to CRD to high volume transactional print.

Powerful solutions for your workflow

Capture

Capture regular and new print opportunities using web-to-print and job submission tools that help move you towards a fully automated production process. This will enable you to interact more efficiently with your clients, saving time for both parties.

Prepare

Prepare to drive print efficiency with variable data and print data stream transformation solutions. Prepare files for production with document imposition and composition tools, all the while boosting productivity, reducing production time and driving profitability.

Manage

Manage jobs across multiple printing systems, automating workflow with a suite of streamlining solutions to optimise productivity and meet tight deadlines. Make last minute document changes and automatically prepare for split colour and black and white production and produce complex document production faster and more efficiently.

Output

Output from the new Ricoh Pro C8100S Series boosts your value-added services with versatile, scalable solutions that embrace production systems. It improves output capabilities with high quality cost-effective print solutions to gain new business.

Protect

Protect your most valuable assets with a host of innovative features. Take advantage of authentication controls to help ensure only authorised users have access to key functionality and printed output. In addition, the device includes the DataOverwriteSecurity System (DOSS), automatically overwriting any files on the hard drive to render them unreadable. HDD encryption adds another layer of protection against hackers.
Finish it off inline to boost your print room’s performance

**A4/A3 Large Capacity Tray (LCT)**
- Accommodates up to 4,400 sheets of 330 X 487 mm stock (A3 LCT)
- Provide for A4 input to add 5,000 sheets to your input capacity (A4 LCT)
- Wide range of paper types and paper sizes
- Paper weights between 52.3 to 216 gsm (A4 LCT)/40 to 300 gsm (A3 LCT)

![A4/A3 Large Capacity Tray (LCT)](image)

**Decurl Unit**
- Ideal for commercial printers who frequently produce jobs with high toner coverage on thin paper and paper with long grain
- Significantly reduce the natural curl that can occur and deliver sheets with optimal flatness

![Decurl Unit](image)

**3,000 Sheet Finisher**
- 100 sheet stapling
- Stack capability of 3,000 sheets
- Up to 330 X 487 mm size capability
- Punching on 135 pages per minute

![3,000 Sheet Finisher](image)

**2,500 Sheet Booklet Finisher plus Trimmer**
- Up to 330 X 487 mm size capability
- Stack up to 2,500 sheets weighted 52.3-216 gsm
- 100 sheet staple and 20 sheets for saddle-stitch
- Create professional books with optional One Side Edge Trimmer

![2,500 Sheet Booklet Finisher plus Trimmer](image)

**Multi-Folding Unit**
- Choose from six professional folding patterns to accommodate any folding needed inline
- Accommodate media included coated stock between 64 to 105 gsm

![Multi-Folding Unit](image)

**Perfect Binder**
- Fully automated Perfect Binding with one/three side trimming function
- Maximum binding capacity of 200 sheets/booklet
- Accepts over sized stock for body pages
- Glued books could be produced inline with maximum efficiency
- Cover Inserter supports up to 300 gsm

![Perfect Binder](image)

**Cover Interposer Tray**
- 2-Tray Cover Interposer can be attached
- Feed media up to 330 X 487 mm size from two inserting trays
- Capacity of up to 200 sheets per tray

![Cover Interposer Tray](image)

**Ring Binder**
- Fully automated to save time and labour costs
- Two size consumable rings for 50 or 100 sheets available
- Load up to 75 sets of rings into the easy to refill cartridge
- Black and white coloured rings available

![Ring Binder](image)

**Plockmatic Booklet Maker**
- Maintains full rated engine speed
- Supports paper sizes A4 to 320-457.2 mm
- Capacity to handle paper weights 64 to 300 gsm
- Include pre-printed covers when configured with Cover Feeder Option

![Plockmatic Booklet Maker](image)

**GBC StreamPunch EX**
- Punch a full range of media types at full rated speed
- Duty cycle of up to 600,000 sheets per month
- Up to 4,000,000 punched pages using heavy duty die sets

![GBC StreamPunch EX](image)
Why choose Ricoh

A digital one-stop-shop
Ricoh's products, service, support and training offer a one-stop-shop for your digital print environment. Our national network of production specialists will partner with you to understand your business needs, challenges and strategy to develop a tailored solution to your business that combines hardware, software, service and training.

Knowledge is power
The best way to get the most out of your Ricoh device is through professional, customised training provided by Ricoh Production Services. While the device is being installed in your print room, operators receive hands-on, tailored training in our Production Education Centre, ensuring they are fluent in everything that the Ricoh Pro 8100S Series has to offer, as well as any other integrated finishing and software solutions.

Responsive service and training
In today's competitive market, Ricoh's team of production specialists are on hand to keep you up and running. Maximum productivity is assured with Ricoh's fast-response service. Most issues are quickly resolved with a phone call and the average time for our onsite service is under 2 hours.

Customised training is provided onsite or through our purpose-built Production Education Centre. Located within the Ricoh Printing Innovation Centre, it's fully equipped with all of Ricoh's production devices and software for effective, relevant and tailored operator training.

Leading you to a more sustainable future
Do more work using less energy. The Ricoh Pro 8100S Series offers several features to reduce Typical Energy Consumption (TEC), including new pulverised low melt toner. Standard one-pass duplex scanning saves steps and energy to maximise efficiency. Many internal components are engineered with non-toxic, plant-based plastics to reduce the system's carbon footprint.

Print carbon neutral
Partner with a certified carboNZero organisation: Ricoh Australia will offset the greenhouse gas (GHG) emissions caused by customer use of select new equipment, including the Ricoh Pro 8100S Series.* This carboNZero certified service is available to customers who deal through Ricoh Australia, finance qualifying equipment from Ricoh Finance, agree to automated meter reading and participate in Ricoh's Consumable Recycling Program.

Ricoh Pro 8100S Series

Specifications

Technology
- 1-drug dry electrostatic transfer system with internal transfer belt
- Oil-less belt fusing method

Fusing
- 2GB RAM / 500GB 250 x 2 HDD

System Memory
- Standard 200-Sheet ADF with single-pass colour duplex scanning

Document Feeder
- Full-colour 10.4” SVG touch panel

Control Panel
- Resolution: Up to 1200 x 4800 dpi
- Paper Registration: Sensor and Mechanical
- Quantity Indicator: 1 - 9999
- Original Size: Up to 297 x 432 mm (from platen)
- Warm-Up Time: Less than 360 sec. (from main switch)

Sleep to Scan
- First Copy Speed: Pro 8100S/8110S: 11.6 sec. Pro 8120S: 9.5 sec.

Copy Speed
- Output Speed:
  - Pro 8100S: 95 ppm
  - Pro 8110S: 110 ppm
  - Pro 8120S: 135 ppm

ADF Speed:
- Simplex 110 ppm
- Duplex: 220 ppm B&W or Full-colour

Paper Capacity
- Tray 1: 1,100 x 2
- Trays 2 - 3: 550 x 2
- Total Standard: 3,300 sheets
- Max. Capacity: 8,850 sheets

Paper Size
- Tray 1: 3 - A4
- Trays 2 - 3: A4 - As

Paper Weight
- Magnification: 7 reduction and 5 enlargement

Zoom
- 25% to 400% in 1% increments

Power Requirements
- 220-240V/50/60Hz

Dimensions (WxDxH)
- 2,500-Sheet Booklet Finisher: 1,125 x 732 x 1,126 mm

Weight
- 415 kg

Printer Specifications (Standard)

CPU
- Intel® Celeron® Processor (4505S - 1.86 GHz)

RAM
- 2GB

HDD
- 500 GB (250 GB x 2)

Max Print Resolution
- TCP/IP (IPv4, IPv6), SMB

Supported Data Format
- PDF, TIF, JPEG, PDF, TIFF, JPEG

VDP
- PPML v.3.0, Fiery Free Form v.1/v

Print Resolution
- 1200 x 1200 dpi

Service Interface
- USB x 5 (Front 1, Back 4)

Network Interface Ethernet
- 1000/100/10Base-T x 2

Font
- PS3: 138/PCL: 81

Optional Interfaces
- Standard Interfaces: Ethernet (1000/100/10Base-TX), USB2.0 Type A/Type B, SD slot

Print Drivers
- Standard: PCL5c, PCL6 (XL), PDF, OS/400 Host Print Transform Gateway; IBM iSeries AS/400 using RedHat Linux, IBM AIX; MAC OS Solaris, HP-UX, SCO OpenServer, 2008R2; NetWare 6.5; UNIX Sun Server 2003R2/Server 2008/Server Windows XP/Vista/7/Server 2003/

Network Operating Systems
- TCP/IP (IPv4, IPv6), IX/SPX (with NetWare option), AppleTalk

Network Protocol
- TCP/IP (IPv4, IPv6), IX/SPX

Printable on a Ricoh. Product code: B960196