Greater productivity to help you work more profitably

Gain a competitive edge for your printing operations with the innovative technology built into the RICOH Pro 8310/8320 production printer and the RICOH Pro 8310s/8320s multifunction production printer. These systems allow for the smooth digital transformation of your short-run offset printing jobs to a streamlined digital workflow, without sacrificing quality. Develop opportunities for your operation by capturing the short-run, “book-of-one” publishing market and just-in-time manufacturing documentation. Help increase your margins and restore valuable capacity to your color printing devices with a dedicated monochrome system that brings efficiency and an economic advantage to your workflows, including the power to interpose color covers and inserts up to 350 g/m² with air-assisted media handling, print on extremely lightweight stocks and create unique applications on synthetic media. Produce everything from brochures, product manuals, prospectuses and direct mail to gallery-quality fine art prints with available configurations to suit a wide range of workflows. Print checks with MICR on the RICOH Pro 8310/8320 models. Change consumables on-the-fly, and choose from an expanded range of inline finishing, along with an array of near-line and offline options for true end-to-end document production. Grow your bottom line with a volume capacity of 1,000,000 pages per month and the backing of a large field organization and Ricoh’s around-the-clock dedication to keeping you up and running.

• Produce black-and-white documents at up to 136 ppm.
• Reliably output up to 1,000,000 pages per month.
• Drive consistent quality with 2400 × 4800 dpi VSCEL Imaging Technology.
• Print on a broad range of media, including heavy stock up to 350 g/m².
• Print on coated sheets up to 13" × 27.5" with the optional Vacuum Feed LCIT Oversize Sheet Tray.
• New, tablet-like 17" Android™-based Smart Operation Panel.
• Quickly digitize records or send information electronically via several scan-to capabilities.
• Expand paper capacity up to 12,600 sheets to extend uninterrupted print runs.
• Automate finishing to produce professional results in less time.
Improve efficiency and empower your business for growth
Drive revenue with the ability to turn finished jobs around fast

Keep jobs moving full speed ahead
Use the RICOH Pro 8300 Series to print up to 8,160 impressions per hour to meet client deadlines. Add optional paper trays to load up to nine types of media for a 12,600-sheet total paper capacity to quickly transition between jobs. Reload toner and media on-the-fly with dual toner cartridges and Active Tray Indicator Lights to print without stopping. Keep your eye on system status from anywhere on the production floor via the Attention Light. Plan for and execute preventative maintenance with Trained Customer Replaceable Units (TCRUs). Perform replacements on your schedule to ensure peak performance without the need for a service technician and take advantage of greater system uptime.

Make media choices your calling card
These systems support what most devices in its class simply cannot: coated and uncoated stocks from 40 up to 350 g/m², including synthetics, colored papers and carbonless paper with the optional Vacuum Feed LCIT. Print durable checks with the magnetic ink character recognition (MICR) option and pursue new lines of business. With print options for sizes up to 13" x 27.5" you can maximize media efficiency and produce pocket folders, direct mail, postcards, posters, brochures, books and statements. Use the Media Identification Unit and the robust Paper Library to automatically adjust system settings for optimal output quality.

Stay competitive from start to finish
Implement an automated end-to-end workflow by adding innovative finishing solutions. Reduce manual collating errors, labor costs and enhance the quality of your customers’ output. The RICOH CI5040 Inserter uses air-assist to support coated papers up to 350 g/m² with a 400 sheet capacity. The RICOH SR5120 Booklet Finisher expands saddle-stitching capability up to 30 sheets/120-page booklets, and you can match it with the RICOH TR5050 Face Trimmer for a professional finished book. Additional inline options such as hole punch, wire bind, ring bind, perfect bind, multiple folds and more advanced finishing solutions are available.
More features to manage more types of jobs

1. **TR5050 Face Trimmer (Optional):** Use the inline Face Trimmer to trim saddle-stitched booklets produced with the SR5120 Booklet Finisher. The TR5050 can trim booklets with up to 30 sheets/120 pages.

2. **SR5000 Series Output Tray for Oversize Sheet (Optional):** This Output Tray will extend the Shift Tray of the SR5110 Finisher or SR5120 Booklet Finisher to stack oversize sheets up to 27.5" in length.

3. **SR5120 Booklet Finisher (Optional):** Use the Booklet Finisher to produce saddle-stitched booklets with up to 30 sheets/120 pages with a reduced fold height from previous options and improved productivity. Cover stocks of up to 130 lb. (350 g/m²) can also be handled.

4. **SK5040 High Capacity Stacker (Optional):** Use the 5,000-sheet Stacker to run longer, unattended jobs. Move large volumes of output to offline binding, packing and shipping quickly via the roll-away cart. Lock the stacker door when printing confidential documents. Up to two High Capacity Stackers can be included in the system.

5. **HCI3500 Plockmatic High Capacity Interposer (Optional):** Feed pre-printed sheets from two sources for front and back covers. Insert a wide range of offset, color or coated paper up to 130 lb. Cover (350 g/m²) within a single booklet automatically. Take advantage of two trays with 3,500 sheet total paper capacity for extended runs with multiple paper stocks.

6. **DU5070 Decurl Unit (Optional):** Reduce paper curling for more accurate stacking and greater throughput.

7. **220-Sheet Automatic Document Feeder (Pro 8310s/8320s only):** Expedite copy and scan jobs with single-pass color duplex scanning up to 220 images per minute.

8. **Full-color, 17" Smart Operation Panel:** Intuitive, tablet-like performance to manage print tasks with ease. Customize the display, create presets for commonly used settings, and transition from job to job quickly from the control panel.

9. **Attention Light:** Find out instantly from anywhere in the print center the moment the printer’s status changes.

10. **VCSEL Technology:** Produce vivid prints and smoother gradations for improved text, fine lines, graphics and photographic reproductions via 2400 x 4800 dpi Vertical Cavity Surface Emitting Laser.
Main Unit Paper Trays: Perform longer runs with two tandem 1,100-sheet Paper Trays and two 550-sheet Paper Trays for a standard total paper capacity of 3,300 sheets. Add optional paper sources to expand capacity to 12,600 sheets.

TK5010 A3/DLT Tray Kit (Optional): Expand paper capacity for larger sizes without taking up too much space by converting a standard paper drawer to an 11” × 17” drawer.

BY5020 Multi Bypass Tray (Optional): Add the Multi Bypass Tray for feeding up to 500 sheets more conveniently.

Multi Bypass Oversize Sheet Tray (Optional): Extend the Multi Bypass Tray to produce oversize sheets of uncoated paper up to 13” × 27.5”.

RT5120 Vacuum Feed Large Capacity Input Tray (Optional): Support a wide range of media utilizing vacuum feed and side air assist to feed uncoated and coated papers from 40 – 350 g/m² with speed and accuracy. Add an optional BU5010 Bridge Unit to add two 4,400-Sheet Vacuum Feed LCITs to maximize total paper capacity at 12,600 sheets.

Vacuum Feed Oversize Sheet Tray (Optional): Extend the Vacuum Feed LCIT Tray to produce oversize sheets of up to 13” × 27.5” with coated and uncoated paper.

Eco-friendly Operation: Perform tasks using less energy. The device is ENERGY STAR® certified and meets EPEAT® Gold* criteria to help minimize operating costs while reducing environmental impact.

*EPEAT Rating is applicable only in the USA.

Versatile Controller Support: Use the standard print controller to perform everyday print and workflow tasks quickly. Take advantage of PCL5e/6 as standard PDL support and optional genuine Adobe® PostScript® 3 and genuine IPDS to integrate seamlessly into almost any host environment with incredible reliability and page-recovery capabilities.

Fiery® EB-35 Controller (Optional): Execute end-to-end automated workflows and simplify advanced print management to expand production printing. Based on EFI’s popular Fiery Server technology, this Digital Front End (DFE) controller offers more capabilities including Advanced Job Re-order and Tab Inserts. Plus, you can integrate its Paper Catalog feature with the MFP or printer’s Paper Library function to instantly synchronize a print job’s custom paper settings.
Ricoh innovation lets your output stand apart

Rely on proven, consistent image quality
Create rich, luscious imagery in monochrome to open the door to more high-end printing jobs. Leveraging Ricoh’s Vertical Cavity Surface Emitting Laser (VCSEL) image technology which uses 2400 x 4800 dpi to deliver superior results. Support for 256-bit grayscale and uniform, granular toner particles lets you produce photo-like images, charts and line drawings with smoother gradations and halftones. These systems also automate consistent front-to-back registration for precise duplex printing on books, manuals, directories, brochures, postcards and other documents.

Put total control at your fingertips
The tablet-like 17" Smart Operation Panel on the RICOH Pro 8300 Series makes it simple to exercise greater control over your output, simplify common tasks and store job settings. For seasoned operators and new staff members alike, the Android®-based control panel makes achieving the highest-quality results fast and easily repeatable. Thumbnail previews help prevent wasted prints, reducing interruptions to your workflow, and ensure that critical customer deadlines can be met. You can even view system status and operate the press remotely from a smart device, giving you even greater flexibility in managing your business.

Digitize documents and share them quickly
Use the RICOH Pro 8310s/8320s multifunction production system to transform hardcopy documents into digital files for storage or sharing directly from the control panel. Scan two-sided documents at up to 220 images per minute and send them via Scan-to-Email, FTP, PDF, URL and other scan-to options so your clients can preview soft proofs instantly, or store jobs for ongoing, on-demand applications. Print directly from USB or SD cards, giving you more ways to accept jobs from clients.

Turn complex data into new opportunities
With powerful controller options, including the Fiery® EB-35 Controller, you can capture your share of data-driven, personalized marketing and critical communications jobs. Explore MarcomCentral® FusionPro® VDP solutions to make complex personalization tasks fast, scalable and profitable. Take advantage of the Automated Document Factory capabilities of RICOH ProcessDirector™ to quickly create statements and invoices. Use RICOH TotalFlow® BatchBuilder to easily group jobs based on criteria you define for streamlined production. Create a print-ready PDF file quickly with RICOH TotalFlow® Prep for more accurate production printing. Talk to your Ricoh representative about a hardware, software and finishing solution tailored to your specific needs and budget.
RICOH Pro 8310s/8320s/8310/8320

SYSTEM SPECIFICATIONS

Engine Specifications

Standard Modes
Pro B310/820s – Copy/Print/Scan
Pro B310/820s – Copy/Print

Print/Copy Process
1-year dry electrostatic transfer with indirect image transfer system

Fusing
Oil-less belt fusing method

Paper Registration
Sensor and Mechanical

Control Panel
Full-color 17” Smart Touch Panel

Output Speed
Pro B310/820s: 111 ppm

First Copy OutPut Time
Pro B320/820s: 136 ppm
Pro B310: 5.6 seconds
Pro B320: 4.6 seconds

Max Monthly Volume
Pro B320/820s: 1,000K

Resolution
VCSEL: 2400 x 4800 dpi
Print: 1200 x 1200 dpi

Simplex
11 lb. Bond – 130 lb. Cover
(40 – 350 g/m²)

Duplex
11 lb. Bond – 110 lb. Cover
(40 – 300 g/m²)

Paper Capacity
Tray 1: 1,200 sheets (110 sheets x 2)
Tray 2 – 3: 1,100 sheets (550 x 2)

Limitless Paper Supply
Trays 2 – 3: 5.5” × 8.5” to 13” × 18”

Paper Size
Tray 1: 8.5” × 11”

Paper Weight
Trays 1 – 3: 14 lb. Bond – 95 lb. Cover
(52 – 256 gsm)

Paper Types

Warm-Up Time
Less than 300 seconds

Typical Electricity Consumption (TEC)**
Pro B310s: 14.0 kVhykw
Pro B320s: 17.9 kVhykw
Pro B820: 17.5 kVhykw

Max. Power Consumption
Pro B310s: Less than 3,020 W
Pro B310: Less than 2,820 W
Pro B320s: Less than 3,270 W
Pro B320: Less than 3,070 W

Power Requirements Dimensions (WxDxH)
208-240 V, 50/60 Hz, 20 A (dedicated)
45” × 35.4” × 68.3” (1,141 × 900 × 1,735 mm) with Attention Light

Weight
Pro B310/820s: 944 lbs. (428 kg)
Pro B320: 911 lbs. (413 kg)

ENERGY STAR
Certified

EPEAT
Gold Rated

*Via optional paper sources
**Typical Electricity Consumption by ENERGY STAR program

Cooper Features (Pro 8310s/8320s only)


Security Features

Data Encryption (Address Book, Authentication Password, SSL Communication, SMTP/POP3 Communication, HDD), User Authentication (Windows*, LDAP, Basic, User Code, B221.x Web), Network Protocol On/Off, IP Filtering, Unauthorized Copy/Print Control, SMTP-over SSL, Mandatory Security Information Print (Compulsory Security Stamp)

Printer Specifications

Configuration
Embedded
CPU
Intel® Atom® Processor Bay Trail-I – 1.91 GHz
Memory
2 GB
HDD
640 GB

Standard Interfaces
Ethernet (1000BASE-T/100BASE-TX)

USB 2.0 Type A
(10base-T)
USB 2.0 Type B (1 port on Controller board)
SD slot (1 on operation panel)
IEEE802.11abgn, Bluetooth
TClµP/IPv4, IPv6

Optional Interfaces

Network Protocol
Windows 7/8/70/Server 2008

Windows 2008R2/2012/2012R2/2016 Server 2019, Mac OS X 10.11 or later; NetWare 6.5, UNIX Sun Solaris 10, HP-UX 11.x/11i/v211i-v3, SCO OpenServer 5.0.7/0.0, RedHat Linux Enterprise V4/V5/V6, IBM AIX V4/V5/V6.7, 2.2, SAP R/3, SA

PDLS
PCL 5e, PCL 6, PDF, JPEG, TIFF

Optional PDLS
Adobe PostScript3, IJPS

Fonts
PCL 45 scalable + 13 international

Scanner Specifications (Pro 8310s/8320s only)

Document Feeder
Standard 220-Sheet ADF with single-pass color duplex scanning

Scanning Resolution
100/150/200/300/400x600 dpi

Max Scan Area
11.7” × 17” (297 x 432 mm)

Scan Speed
Simplex: 120 ppm; Duplex: 220 ppm (B&W and Full-color)

Output Format
Single Page: TIFF/FDF/GPDF/High Compression PDF
Multi Page: TIFF/FDF/GPDF/High Compression PDF

Interface Support
Ethernet (1000BASE-T/100BASE-TX)
USB 2.0 Type A

Authentication
EPEAT
Gold Rated

Scanner Features

Scan to USB/SD, Scan-to-Email/SM/FTP/URL/DPDFIA, Searchable PDF (OCR Option required), WSD Scanner, TWAIN Scanning, Scanned File Naming, LDAP Support, Distributed Scan Management, Preview Before Transmission, PDF Encryption, Drop Out Color Send, Auto Color Selection, Auto Density, Auto Size Detection, Image Rotation, Mixed Size/SADF/Batch Mode, Reduce and Enlarge, Split Scan, JPEG Compression Support

Document Server Specifications

Max. Stored Documents
3,000
Max. Pages per Document
15,000
Max. Stored Pages
15,000

Typical Electricity Consumption by ENERGY STAR program

Printer Features

Send to Document Server, Sample/Locked/Hold/Store/Scheduled Print, Store and Print, Layout (N-up), Banner Page Print, PDF Direct Print, Mail to Print, Classification Code, Bonjour Support, Windows Active Directory Support, DNS Support, PCL Resident Font Adoption, Tray Parameter Change from Web Image Monitor, 1200 dpi Support, Auto Tray Switching, Auto Image Density, Auto Size Detection, Image Rotation, Mixed Size/SADF/Batch Mode, Reduce and Enlarge, Split Scan, JPEG Compression Support

Fiery EB-35 Controller

Configuration
External

Fiery Platform
NX One

Fiery System
F3300 Pro

Memory
8 GB

CPU
Intel Processor G4400 3.3 Ghz

HDD
500 GB

Interface
Ethernet (1000BASE-T/100BASE-TX/10BASE-T)

USB 3.0 (2 rear ports and 3 on FireWire QuickTouch panel)

USB 2.0 (4 rear ports)

Operating System
Windows10 IoT Enterprise 2016 LTSB

Network Protocol
TCP/IP (IPv4, IPv6)

Printer Description
PS3, PCL 6e, PCL 5

Printer Description
NX One, NX One HDD Kit, Fiery JobFlow, Fiery JobMater
RICOH Pro 810s/830s/8310/8320

SYSTEM SPECIFICATIONS

Accessories

TKS010 A3/DL Tray Unit (Option for Main Unit Tray 1)
- Paper Capacity: 1,000 sheets
- Paper Size: 8.5” x 11”, 8.5” x 14”, and 11” x 17”

LCIT RT5130 A4/Large Capacity Input Tray
- Paper Capacity: 5,000 sheets
- Paper Size: 8.5” x 11”, 8.5” x 14”, and 11” x 17”
- Paper Weight: 3.94” x 5.5” - 19.2”

Upper Shift Tray
- Paper Capacity: 6,200 sheets
- Paper Size: 5.5” x 8.5” - 11”
- Paper Weight: 1,000 sheets - 12” x 18” - 13” x 19.2”

Dimensions (WxDxH): 21.3” x 28.7” x 39.4”
- Weight: 323 lbs. (146 kg)

LCIT RT5110 A2/DL Large Capacity Input Tray
- Paper Capacity: 4,400 sheets
- Paper Size: 3.94” x 5.5” - 13” x 19.2”
- Paper Weight: 11 lb. Bond

Air Assist
- Dimensions (WxDxH): 34” x 28.7” x 39.4”
- Weight: 407 lbs. (185 kg)

LCIT RT5120 Vacuum Feed Large Capacity Input Tray
- Paper Capacity: 4,400 sheets (2,000 sheets x 2 Trays)
- Paper Size: 3.94” x 5.5” - 13” x 19.2”
- Paper Weight: 11 lb. Bond

Vacuum Feed
- Dimensions (WxDxH): 41.5” x 28.7” x 39.4”
- Weight: 507 lbs. (225 kg)

BY5020 Multi Bypass Tray
- Paper Capacity: 500 sheets
- Paper Size: 3.94” x 5.5” - 13” x 19.2”

Paper Weight: 11 lb. Bond - 80 lb. Cover (32 – 216 g/m²)

Air Assist
- Dimensions (WxDxH): 1290 x 730 x 1000 mm
- Weight: 560 lbs. (254 kg)

CIS042 Source Cover Interposer
- Paper Capacity: 400 sheets (200 sheets x 2 Trays)
- Paper Size: 5.5” x 8.5” - 13” x 19.2”

Paper Weight: 14 lb. Bond - 110 lb. Cover (52 – 350 g/m²)

Air Assist
- Double Feed Detection: Supported
- Dimensions (WxDxH): Optional
- Weight: 110 lbs. (50 kg)

SR5120 3,500-Sheet Booklet Finisher with 100-Sheet Stapler
- Lower Shift Tray
- Paper Capacity: 2,500 sheets
- Paper Size: 8.5” x 11” (USF)
- Paper Weight: 1,000 sheets - 8.5” x 11” (USF)

Dimensions (WxDxH): 39.2” x 28.7” x 51.7”
- Weight: 298 lbs. (135 kg)

SR5120 3,500-Sheet Booklet Finisher with 100-Sheet Stapler
- Upper Shift Tray
- Paper Capacity: 1,000 sheets
- Paper Size: 8.5” x 11” (USF)
- Paper Weight: 500 sheets - 8.5” x 11” (USF)

Dimensions (WxDxH): 39.2” x 28.7” x 51.7”
- Weight: 298 lbs. (135 kg)

Stack Capacity/Booklet
- Stack Capacity: 50 sheets
- Stack Size: 10 sheets; 70 sheets; 200 sheets
- Dimensions (WxDxH): 42.9” x 31” x 54.6”
- Weight: 12,000 lbs (5,440 kg)

High Capacity Stack SX5040
- Paper Capacity: 5,000 sheets
- Proof Tray: 250 sheets
- Paper Weight: 14 lb. Bond - 130 lb. Cover (52-350 g/m²)
- Output Jogger: Standard
- Rollaway Cart: Optional (additional cart available)

Dimensions (WxDxH): 35.4” x 28.7” x 39.4”
- Weight: 264 lbs. (120 kg)

Rollaway Cart: 32 lbs. (115 kg)

Plokmatic HC1350 High Capacity Interposer
- Paper Capacity: 2,500 sheets
- Paper Size: 4.72” x 8.27” - 13” x 26”

Dimensions (WxDxH): 42.7” x 28.7” x 43”
- Weight: 551 lbs (250 kg)

Plokmatic P8550e Booklet Maker
- Paper Size: 8.5” x 11” - 12” x 18”
- Paper Weight: 17 lb. Bond - 110 lb. Cover (44 – 300 g/m²)

Set Size: 2–35 sheets - 80 g/m²
- Dimensions (WxDxH): 35.9” x 25.4” x 27.6”
- Weight: 297 lbs. (135 kg)

Plokmatic M2500b Upgrade Kit

GBC StreamPunch Ultra
- Paper Sizes: 5.5” x 8.5”, 8.5” x 11”, 8.5” x 14”, 11” x 17”, 12” x 18”, 17”, 12” x 18”
- Paper Weight: 20 lb. Bond - 110 lb. Cover (75 – 300 g/m²)
- Tab Punching: 2–35 sheets - 80 g/m²
- Dimensions (WxDxH): 17.5” x 13” x 19” (445 x 730 x 1,000 mm)
- Weight: 220 lbs. (100 kg)

GBC StreamWire (GBC StreamPunch Ultra is required)
- Paper Sizes: 5.5” x 8.5”, 8.5” x 11”, 8.5” x 14”, 11” x 17”, 12” x 18”, 17”, 12” x 18”
- Number of Loops: 2–35 Loop
- StreamWire Supply
- Tab Size: 2–35 sheets - 80 g/m²
- Dimensions (WxDxH): 551 x 254 x 276 mm
- Weight: 150 lbs. (68 kg)

Tab Stock: 254 x 276 mm
- Weight: 254 x 276 mm

GBC StreamPunch Ultra: 2–35 sheets - 80 g/m²
- Dimensions (WxDxH): 17.5” x 13” x 19” (445 x 730 x 1,000 mm)
- Weight: 220 lbs. (100 kg)

Additional Accessories

Decuf Unit DU5070, ADF-Dual Feed Detection Kit Type 57, Media Identification Unit Type 53, TC-RDUORI Type 51 (Set A), ORU Type 51 (Set B), PostScript Unit Type 511, PDI Type 515, NC Card Reader Type 56, Optional Counter Interface Unit Type 512, B8E98211bag, OCR Unit Type M3, VM Card Type 2 PIA Format Control, Viewer Type M18, Bridge Unit BU5010, Multi Bypass Attachment Kit for Vacuum Feed LCIT Type 59, SR5000 series Output Tray for Banner Sheet Type S6, Buffer Pass Unit Type 511, Bridge Unit BU5020, ROPF Option Interface Type Box 5

Supply Yields

Toner: 82,000 prints per bottle

*Based on 6% chart of Ricoh A4 LIF test chart under normal operating conditions.

For maximum performance and yield we recommend using genuine Ricoh parts and supplies. Specifications subject to change without notice.