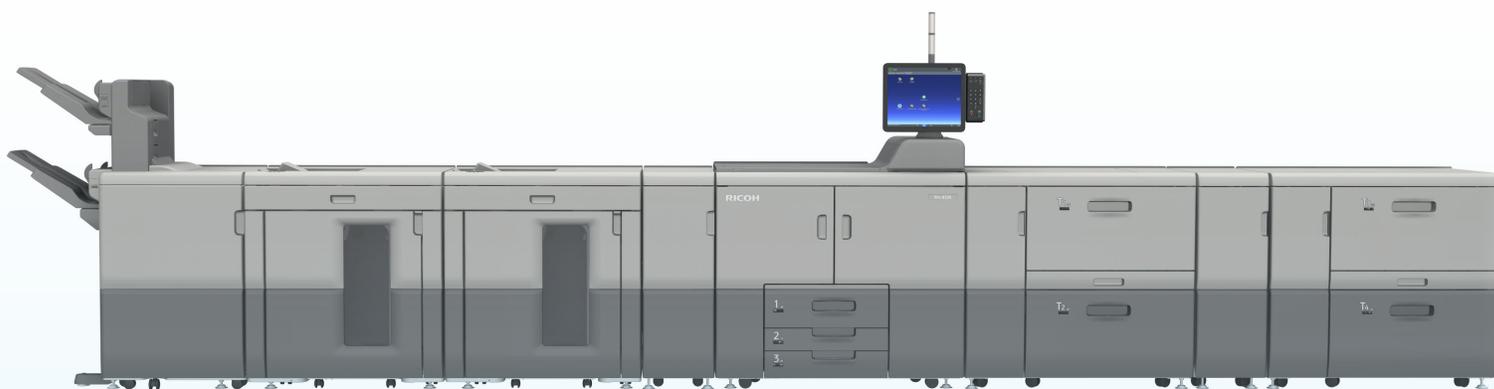


PRO 8310M & PRO 8320M

PRODUCTION MICR PRINTERS



PRODUCTION-CLASS PRINTING

- Maximum 13" x 19.2" media support
- Up to eight media pick points with a maximum capacity of 12,600 sheets
- Optional Vacuum Feed Large Capacity Stacker
- Optional High Capacity Stackers & Finishers
- Optional advanced post-fusing Dual Source Cover Interposer
- Optional genuine Adobe® PostScript®3™ and IPDS
- Fiery Compatible

SUPERIOR MICR PERFORMANCE

- 111 and 136 pages per minute
- Up to 1 million impressions per month
- ASC X9 and ABA Compliant MICR output
- Optimal MICR Signal Strength and Adhesion
- Consistently reliable MICR quality
- Carbonless paper supported
- E13B and CMC-7 Rosetta Technologies' certified MICR fonts
- Rosetta Technologies' MICR Performance Guarantee



Knowledge *Translated*

Get The Most Out Of Your MICR Investment

With the Pro 8310M and 8320M production MICR printing systems from Ricoh and Rosetta Technologies you get the most out of your investment...the **most volume**, the **most uptime**...the **most security**...and most importantly, the **highest quality MICR documents at a low total cost of ownership**.

Every successful print production environment relies upon maximum speed, capacity, reliability, and high duty cycles. The successful MICR print production environment requires all these **plus** consistent end-to-end MICR output quality. Rosetta Technologies combines its best-in-class MICR toner and expert technology with Ricoh's award-winning print production hardware to deliver MICR printing solutions that exceed industry standards.

Rosetta Technologies' Pro 8310M MICR and 8320M MICR are 111-ppm and 136-ppm production-class laser printers rated for up to 1,000,000 impressions per month. Designed in partnership with industry leader Ricoh, these modular systems deliver the speed and media input/output capacity for longer runs with fewer interruptions.



On the inside, every Pro 8310M MICR and 8320M MICR print engine undergoes a meticulous conversion process by Rosetta Technologies engineers to transform the system into a MICR-ready solution. MICR toners are specially formulated and MICR fonts specifically designed for optimal quality. In fact, Rosetta guarantees that every document you print will meet ANSI, ABA, and Canadian Payments Acceptance standards for adhesion, signal strength, character sharpness, and read rates.

So whether you are printing 1,000,000 checks every month or writing entire EOBs with claim checks attached, Rosetta Technologies has the knowledge and technology solutions backed by over 20 years of industry experience to make your MICR applications run smoothly.

Rosetta plus Ricoh. It's a most attractive combination.

Check Printing/Check Writing

Check creation is one of the most demanding print applications with strict tolerances for font character clarity, placement, adhesion and signal strength range. Rosetta's patented ProMark™ MICR toner and optimized E-13B and CMC-7 MICR fonts stand up to the punishment of dozens of passes through high speed reader-sorter machines. Superior adhesion reduces failure rates and prevents toner transfer to read/write heads that can grind check processing to a halt.



When combined with the Rosetta's flexible software solutions including CheckStream check printing software and the Rosetta Print Manager, the Pro 8310M MICR and Pro 8320M MICR printers form a robust, consistent end-to-end solution for printing checks onto all types of media including check stock, pressure seal, and IRD paper.

Image Replacement Document (IRD)/Clearings Replacement Document (CRD) Printing



An IRD or CRD is a paper substitute for an original check that may have been destroyed after image capture. Because IRDs/CRDs are, by law, negotiable documents like checks, they must also be printed using MICR toner.

Rosetta Technologies offers

end-to-end IRD/CRD printing solutions including X9Print™ software in combination with our ProMark™ MICR toner to convert image cash letter files into standards-compliant IRDs/CRDs on the Pro 8310M and 8320M MICR printers.

TransPromo MICR Printing

Rosetta Technologies makes it easy to combine the power of customized communications and MICR printing. Create high volumes of promotional incentives, healthcare reimbursement checks, insurance claims checks, and other forms of reimbursement at little incremental cost.



Versatile Solutions For Your High Volume Environment

The modular Pro 8310M and Pro 8320M can be configured with a number of input and output options to execute virtually any MICR print workflow.

Boost the standard **3,300-sheet paper capacity** to a maximum of **12,600 sheets** with stock weights up to 130 lb. Cover. Some options offer **Air Assist** or **Vacuum Feed** technology to ensure error-free handling over a wide range of stocks like pressure seal paper. Build complex documents with different media types using up to **eight pick points**, and protect valuable check stock with **lockable media trays**.

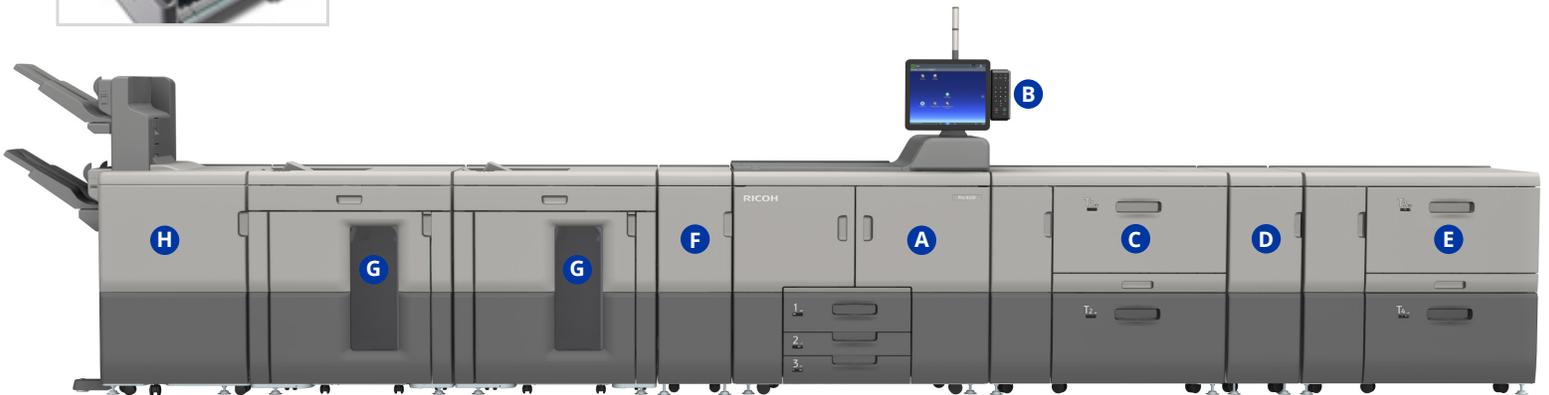
Choose a **Finisher with multi-position stapling** for EOBs. **Automate mail preparation** with in-line folding for payroll checks. Neatly **stack up to 5,000 pages** in a High Capacity Stacker – and add a second Stacker for over 10,000 sheets of stacking capacity.

These huge media and finishing capacities are complemented by **on-the-fly toner replacement** and

active paper reloading for non-stop productivity. The Pro 8310M and Pro 8320M deliver near offset image quality – up to **1200 x 4800 dpi** using Ricoh's Vertical Cavity Surface Emitting Laser (VCSEL) and oil-free belt fusing technology.

Keep your data center or commercial print production shop running at peak efficiency with minimal running costs. **Trained Customer Replaceable Units (TCRUs)** enable in-house operators to inventory and replace critical parts quickly, maximizing uptime by not waiting for a service technician.

As a standing member of the ASC X9B Committee, Rosetta Technologies continually works on MICR toner formulation and MICR font characteristics to guarantee adherence to national and international standards for all your MICR printing needs. And we back that up with 7x24 MICR telephone support, a global service network with response times as fast as one hour, and of course, the **Rosetta Technologies MICR Quality Guarantee**.



- A. Pro 8310M / Pro 8320M Main Unit.** Print at speeds up to 111/136-ppm. Standard paper capacity is 3,300 sheets from an 1,100-sheet x 2 Tandem Paper Tray (Letter/A4), and two user-adjustable 550-sheet Trays for media up to 13" x 18". Install dual 75,000-impression toner bottles for non-stop productivity.
- B. Articulating 17" full-color Smart Operation Panel with Attention Lamp.** The touch screen provides intuitive job programming, animated fault correction screens, thumbnail image viewing, simplified media selection, and more. The attention lamp alerts users to changes in system status from anywhere in the room – great for loud production environments.
- C. 4,400-sheet Vacuum Feed Large Capacity Tray** (Optional, two shown). Support more types of media with an air-delivery system that offers high-level feeding accuracy for coated papers up to 350 g/m². Install the optional BU5020 Bridge Unit (**D**) to add a second 4,400-sheet Vacuum Feed LCT (**E**) to increase media capacity to a maximum of 12,600 sheets.
- D. 5,000-sheet High Capacity Stacker** (Optional, two shown). Move large volumes of output for post-production, packing, and shipping. One roll away cart is included with each Stacker. Protect valuable MICR documents with built-in door locks. Install two units side-by-side for 10,000 sheets of stacking capacity.
- E. 4,500-sheet Finisher with Multi-position Stapling** (Optional). Staple sets of up to 100 sheets in a choice of four staple patterns for media sizes up to 11" x 17". Or choose the 3,500-sheet Booklet Finisher (not shown) to create saddle-stitched documents up to 120 pages.
- F. Buffer Pass Unit** (Optional). Cools printed sheets as they exit the system for improved stacking and/or finishing.
- G. Multi-folding Unit** (Optional, not shown). Perform multiple folding patterns in one space saving option. Quickly ready pages for insertion into mail streams.
- H. Dual Source Cover Interposer** (Optional, not shown). Provides post-fuser insertion of pre-printed cover stocks for checkbooks, etc.

Multi-folding Unit (Optional, not shown). Perform multiple folding patterns in one space saving option. Quickly ready pages for insertion into mail streams.

Dual Source Cover Interposer (Optional, not shown). Provides post-fuser insertion of pre-printed cover stocks for checkbooks, etc.

Pro 8310M / Pro 8320M System Specifications



5912 Breckenridge Parkway
Tampa, FL 33610
(800) 937 - 4224
RosettaTechnologies.com

GENERAL SPECIFICATIONS

Print Technology:	Single drum dry electrostatic transfer with indirect image transfer system
Fusing Method:	Oil-less belt fusing
Output Speeds	
Pro 8310M:	Up to 111-ppm
Pro 8320M:	Up to 136-ppm
Warm-Up Time:	Less than 300 seconds
Control Panel:	Full-color 17" Smart Operation Touch Panel
Standard Media Capacity:	3,300 sheets
Tray 1:	2,200 sheets (1,100 x 2) (8.5" x 11")
Tray 2:	550 sheets (5.5" x 8.5" to 13" x 18")
Tray 3:	550 sheets (5.5" x 8.5" to 13" x 18")
Optional Media Capacity:	Maximum 12,600 sheets
A4/LT LCT (Trays 4 – 6):	5,000 sheets (5.5" x 8.5" to 8.5" x 11")
A3/DLT LCT (Trays 4 – 6):	4,400 sheets (3.94" x 5.5" to 13" x 19.2")
Vacuum-Feed LCT Tray:	4,400 sheets (2,200 x 2) (3.94" x 5.5" to 13" x 19.2") (Add 1 or 2 units. Second LCT requires Bridge Unit.)
Multi Bypass Tray:	500 sheets (3.94" x 5.5" to 13" x 19.2")
Media Weight Range:	From 11 lb. Bond to 130 lb. Cover (40 – 350 g/m ²) depending upon input source
Supported Media Types:	Check stock, Pressure seal, IRD Paper, Carbonless Paper, Bond, Card Stock, Coated, Colored, Envelope, Glossy, Label, Letterhead, Matte, Plain, Pre-printed, Pre-punched, Recycled, Tab, Transparency depending upon input source
Output Capacity:	Maximum 15,000 sheets 4,500-sheet Finisher plus 5,000-sheet Stacker with 250-sheet Proof Tray (Add 1 or 2 Stacker Units)
Additional Accessories	
2-Tray Cover Interposer:	400 sheets (200 x 2) (5.5" x 8.5" to 13" x 19.2")
A3/DLT Tray Kit:	Converts Tray 1 to 11" x 17" media size
Multi-folding Unit:	Supports multiple Gate, Half, and Z-fold patterns
Finisher SR5110:	4,500-sheet Finisher + 100-sheet stapling
Finisher SR5120:	3,500-sheet Booklet Finisher + 100-sheet stapling
Decurl Unit:	3-step pressure adjustment for flat sheets
3rd party finishing options available for booklet making and trimming, ring binding, perfect binding, stacking, punching and wire binding	
Power Requirements:	208-240V/20A/60Hz (dedicated)
Max. Power Consumption:	
Pro 8310M:	Less than 2,820 W
Pro 8320M:	Less than 3,070 W
Dimensions (WxDxH):	45" x 35.4" x 68.3" (main unit only, incl. Attention Lamp)
Weight:	911 lbs. (main unit only)

CONTROLLER SPECIFICATIONS

CPU:	Intel® Atom Processor Bay Trail-1 @ 1.91 GHz
Memory:	2 GB RAM Standard/Maximum
Hard Disk Drive:	640 GB standard
Max Print Resolution:	1200 x 4800 dpi via VCSEL technology
Standard Interfaces:	Ethernet (1000/100/10Base-TX) USB 2.0 Type A x 6, USB 2.0 Type B x 1 SD card slot
Optional Interfaces:	Wireless LAN (IEEE 802.11 a/b/g/n) Bluetooth™
Network Protocols:	TCP/IP (IPv4, IPv6)
Network Operating Systems:	Windows 7, 8.1, 10, Server 2008/R2, Server 2012/R2, Server 2016/R2, Server 2019 Macintosh OS X 10.11+, NetWare 6.5, IBM AIX, SAP, Various UNIX/Linux systems
Print Drivers/PDLs:	Standard: PCL5e, PCL6, PDF Direct Print Optional: Adobe® PostScript®, IPDS
Fonts:	MICR: E-13B, CMC-7 PCL: 45 scalable + 13 international fonts PostScript: 136 Roman fonts (optional) IPDS: 108 fonts including MICR (optional)
EFI Controller Option:	Fierly EB-35 Controller

SECURITY FEATURES

DataOverwriteSecurity System (DOSS), Data Encryption (Address Book, Authentication Password, SSL Communication, S/MIME, IPsec Communication, HDD) User Authentication (Windows, LDAP, Basic, User Code, 802.1.x Wired), Network Protocol On/Off, IP Filtering, Unauthorized Print Control, SMTP over SSL, Mandatory Security Information Print (Compulsory Security Stamp)

SUPPLY YIELDS & VOLUMES

ProMark MICR Toner Yield:	350,000 impressions per kit @ 4% image coverage (Kit contains 4 toner bottles yielding 87,500 pages each)
Maximum Print Volume:	Up to 1,000,000 impressions per month
Monthly Duty Cycle:	
Pro 8310M:	3,300,000 impressions
Pro 8320M:	4,000,000 impressions



Rosetta MICR Quality Guarantee: Guaranteed ANSI, ABA, and Canadian Payments Association Acceptance Standards If Using Rosetta Technologies' Approved Check Stock, Supplies, MICR Fonts and Authorized Service.

Rosetta Support: 7x24 MICR Phone Support, Operator Training & MICR Certification, On site service, multiple options available