

The Complete MICR Production Solution

PRO 8410M & PRO 8420M



Get the Most Out of Your MICR Investment

With the Pro 8410M and Pro 8420M 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 8410M and Pro 8420M 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.

Rosetta Technologies engineers transform every Pro 8410M and Pro 8420M MICR print engine. Each printer undergoes a meticulous conversion transforming 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 a million checks every month or disbursing EOBs with attached claim checks, Rosetta Technologies has the knowledge. Backed by over 30 years of industry experience, Rosetta's technology solutions 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 punishment from 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 Rosetta's flexible software solutions including CheckStream® check printing software



and the Rosetta Print Manager, the Pro Pro 8410M and Pro 8420M MICR printers form a robust, consistent end-to-end solution. Print checks onto all types of media including check stock, pressure seal, and IRD paper.



Image Replacement Document/Clearings Replacement Document Printing

An IRD or CRD are paper substitutes for an original check that may have been destroyed after image capture. Because IRDs/CRDs are lawful 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. Together they convert image cash letter files into standards-compliant IRDs/CRDs using Pro 8410M and Pro 8420M 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 claim checks, and other forms of reimbursement at little incremental cost.

Versatile Solutions for Your High Volume Environment

The modular Pro 8410M and Pro 8420M 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-pound cover stock. 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 8410M and Pro 8420M 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 24/7 MICR telephone support, a global service network with response times as fast as one hour, and of course, the Rosetta Technologies MICR Performance Guarantee.



A. Pro 8410M / Pro 8420M 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-impession toner bottles for non-stop productivity.

B. Articulating 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.

PRODUCTION-CLASS MICR PRINTING

Maximum 13" x 19.2" media support

Up to eight media pick points with a max 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

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.

Need more media versatility? Choose the 5,000-sheet Letter/A4 LCT or the 4,400-sheet DLT/A3 LCT, each with three trays (not shown). Active tray indicators quickly identify which tray is feeding the printer to prevent opening an active tray and allow refilling of depleted paper sources for continuous operation.

F. Buffer Pass Unit (Optional). Cools printed sheets as they exit the system for improved stacking and/or finishing.

G. 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.

H. 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.

Additional Units (Optional, Not Shown)

Multi-folding Unit. Perform multiple folding patterns in one space saving option. Quickly ready pages for insertion into mail streams.

Dual Source Cover Interposer. Provides post-fuser insertion of pre-printed cover stocks for checkbooks and such.



GENERAL SPECIFICATIONS

Print Technology:	Single drum dry electrostatic transfer with indirect image transfer system
Fusing Method:	Oil-less belt fusing
Output Speeds Pro 8410M: Pro 8420M:	Up to 111-ppm Up to 136-ppm
Warm-Up Time:	Less than 300 seconds
Control Panel:	Full-color 17" Smart Operation Touch Panel
Standard Media Capacity: Tray 1: Tray 2: Tray 3:	3,300 sheets 2,200 sheets (1,100 x 2) (8.5" x 11") 550 sheets (5.5" x 8.5" to 13" x 18") 550 sheets (5.5" x 8.5" to 13" x 18")
Optional Media Capacity: A4/LT LCT (Trays 4 – 6): A3/DLT LCT (Trays 4 – 6): Vacuum-Feed LCT Tray:	Maximum 12,600 sheets 5,000 sheets (5.5" x 8.5" to 8.5" x 11") 4,400 sheets (3.94" x 5.5" to 13" x 19.2") 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, carbon-less 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: A3/DLT Tray Kit: Multi-folding Unit: Finisher SR5110: Finisher SR5120: Decurl Unit:	400 sheets (200 x 2) (5.5" x 8.5" to 13" x 19.2") Converts Tray 1 to 11" x 17" media size Supports multiple Gate, Half, and Z-fold patterns 4,500-sheet Finisher + 100-sheet stapling 3,500-sheet Booklet Finisher + 100-sheet stapling 3-step pressure adjustment for flat sheets
Third 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 8410M: Pro 8420M:	Less than 2,820 W Less than 3,070 W
Dimensions (WxDxH):	45" x 35.4" x 68.3" (main unit only, includes 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/ Server 2008R2/Server 2012/Server 2012R2/ Server 2016/Server 2019, Mac OS X 10.11 or later; NetWare 6.5, UNIX Sun Solaris 10, HP-UX 11.x/11i v2/11i v3, SCO OpenServer 5.0.7/6.0, RedHat Linux Enterprise V4/V5/ V6, IBM AIX V6.1/V7.1/ V7.2, SAP R/3,S/4
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:	Fiery EB-35 Controller

SECURITY FEATURES

Data Overwrite Security 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:	300,000 impressions per kit @ 4% image coverage
Maximum Print Volume:	Up to 1,000,000 impressions per month
Monthly Duty Cycle: Pro 8410M: Pro 8420M:	3,300,000 impressions 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: 24/7 MICR Phone Support, Operator Training & MICR Certification, On-site Service, multiple options available

ENERGY STAR is a U.S. registered service mark of the United States Environmental Protection Agency. Adobe, the Adobe logo and Adobe PostScript 3 are either registered trademarks or trademarks of Adobe Systems Incorporated in the USA, and other countries. Apple, AppleTalk and Macintosh are trademarks of Apple Computer, Inc. registered in the USA, and other countries. Microsoft and Windows are registered trademarks of Microsoft Corporation in the USA, and other countries. RICOH®, Savin®, and Lanier® are registered trademarks of RICOH USA Inc. All other brand and product names are trademarks or registered trademarks of their respective companies. The information and specifications contained in this document are approximate and subject to change without notice. This publication is for general guidance only. Product configurations in photographs may contain separately priced options.



(800) 937-4224

go.rosettatechnologies.com



For more information on these and other solutions or Rosetta MICR supplies, please email us at info@rosettatechnologies.com

©Rosetta Technologies Inc. 2026, All rights reserved.



RICOH

