



Pro 8210M & Pro 8220M Production MICR Printers



Production-class Printing

- Maximum 13" x 19.2" media support
- Up to nine paper trays for a total paper capacity of 12,650 sheets
- Vacuum Feed Large Capacity Tray unit (optional)
- NCR paper supported
- Optional High Capacity Stackers & Finishers
- Energy Star™ and Gold Level EPEAT® Certification
- Genuine IPDS Options
- Advanced post-fusing interposer
- 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
- E13B and CMC-7 Rosetta Technologies' certified MICR fonts
- Rosetta Technologies' MICR Performance Guarantee



ROSETTA
TECHNOLOGIES

Knowledge *Translated*

Get The Most Out Of Your MICR Investment

With the Pro 8210M and 8220M 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 8210M MICR and 8220M 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 8210M MICR and



8220M MICR print engine undergoes a meticulous conversion process by Rosetta Technologies engineers to transform the system into a MICR-ready solution. Toners and fonts are specifically formulated. Electrostatic components are modified to account for the properties of Magnetic Ink Character Recognition toner. 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 8210M MICR and Pro 8220M 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 MICR 8210M and 8220M 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 8210M and Pro 8220M 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 **12,650 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 **seven 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 output 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 8210M and Pro 8220M 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. The Pro 8210M and Pro 8220M are **ENERGY STAR™** compliant and qualify for **Gold* level EPEAT®** (Electronic Product Environmental Assessment Tool) certification as environmentally friendly solutions. **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. **EPEAT Gold in US only.*

As a standing member of the X9-B 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 8210M / Pro 8220M Main Unit.** Print at speeds up to 111/136-ppm. Standard paper capacity is 3,300 sheets from a 1,100-sheet x 2 Tandem Paper Tray (Letter/A4), and two user-adjustable 550-sheet Trays for media up to 11" x 17". Install dual 70,000-impression toner bottles for non-stop productivity.
- B. Articulating 10.4" Color LCD Operation Panel and Status Light pole.** The touch screen provides intuitive job programming, animated fault correction screens, thumbnail image viewing, simplified media selection, and more. The light pole lets users check system status at a glance 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 BU5010 Bridge Unit **D** to add a second 4,400-sheet Vacuum Feed LCT **E** to increase media capacity to a maximum of 12,650 sheets.
- D. BU5010 Bridge Unit** (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 BU5010 Bridge Unit **D** to add a second 4,400-sheet Vacuum Feed LCT **E** to increase media capacity to a maximum of 12,650 sheets.
- E. 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 BU5010 Bridge Unit **D** to add a second 4,400-sheet Vacuum Feed LCT **E** to increase media capacity to a maximum of 12,650 sheets.
- F. 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 more than 10,000 sheets of total stacking capacity.
- G. 3,000-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 13" x 19.2".

Decurl Unit (optional, not shown). Press pages flat for stacking and collation. Works to minimize misfeeds.

Multi-folding Unit (optional, not shown). Perform 6 folding patterns in one space saving option. Quickly ready pages for insertion into mail streams.

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

Pro 8210M / Pro 8220M System Specifications



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GENERAL SPECIFICATIONS

Print Technology:	Process Electrostatic transfer with indirect image transfer system
Fusing Method:	Oil-less belt fusing
Output Speeds	
Pro 8210M:	Up to 111-ppm
Pro 8220M:	Up to 136-ppm
Warm-Up Time:	Less than 360 seconds (from main switch)
Control Panel:	Full-color 10.4" SVGA touch panel
Standard Media Capacity:	3,300 sheets
Tray 1:	2,200 sheets (1,100 x 2) (8.5" x 11"/A4)
Tray 2:	550 sheets (5.5" x 8.5" to 11" x 17"/A3)
Tray 3:	550 sheets (5.5" x 8.5" to 11" x 17"/A3)
Optional Media Capacity:	Maximum 12,650 sheets
A4/LT LCT (Trays 4 – 6):	5,000 sheets (5.5" x 8.5" to 8.5" x 11"/A4)
A3/DLT LCT (Trays 4 – 6):	4,400 sheets (5.5" x 8.5" to 13" x 19.2")
Vacuum-Feed LCT Tray:	4,400 sheets (2,200 x 2) (5.5" x 8.5" to 13" x 19.2") (Add 1 or 2 units. Second LCT requires Bridge Unit.)
Multi Bypass Tray:	550 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, Plain, Recycled, Colored Paper, Letterhead, Label, Card Stock, Coated Paper, Tabs, OHP depending upon input source
Output Capacity:	Maximum 10,500 sheets
Finisher:	3,000 sheets + 250 sheet Proof Tray
Stacker:	5,000 sheets + 250 sheet Proof Tray (Add 1 or 2 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 SR5050:	3,000-sheet Shift Tray + 100-sheet Stapling
Decurl Unit:	3-step pressure adjustment for flat sheets
Power Requirements:	208-240V/20A/60Hz (dedicated)
Typical Electricity Consumption*	
Pro 8210M:	14.3 kWh/Week
Pro 8220M:	18.0 kWh/Week
Max. Power Consumption:	3,600 W
Dimensions (WxDxH):	52" x 43.3" x 57.5" (1,320 x 1,100 x 1,460 mm) (main unit only)
Weight:	864.2 lbs. (392 kg) (main unit only)

*Typical electricity consumption (TEC) by ENERGY STAR program

CONTROLLER SPECIFICATIONS

CPU:	Intel® Celeron® Processor P4505 @ 1.86 GHz
Memory:	2 GB RAM Standard/Maximum
Hard Disk Drive:	500 GB (250 GB x 2)
Max Print Resolution:	1200 x 4800 dpi via VCSEL technology
Standard Interfaces:	Ethernet (1000/100/10Base-TX) USB 2.0 Type A/Type B SD card slot
Optional Interfaces:	IEEE 1284/ECP Wireless LAN (IEEE 802.11 a/b/g/n) Bluetooth™
Network Protocols:	TCP/IP (IPv4, IPv6), IPX/SPX (with NetWare option)
Network Operating Systems:	Windows XP, Vista, 7, 8, Server 2003/R2, Server 2008/R2, Server 2012 Macintosh OS X 10.2 or later NetWare 6.5 with NetWare option IBM AIX, SAP R/3, NPDS Gateway, IBM iSeries/AS/400 using OS/400 Host Print Transform
Print Drivers/PDLs:	Standard: PCL5e, PCL6, PDF Direct Print Optional: Adobe® PostScript®, Genuine IPDS, XPS
Fonts:	MICR: E-13B, CMC-7, IPDS PCL: 45 scalable + 13 international font PostScript: 136 Roman fonts (optional) IPDS: 108 fonts (optional)
EFI Controller Option:	Fiery EB-32 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, Mask Type for Data Security, Data Security Unit Option, Unauthorized Print Control, Quota Setting, 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

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: Onsite Installation; 7x24 MICR Phone Support;
Operator Training & MICR Certification, Multiple Service Options Available



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