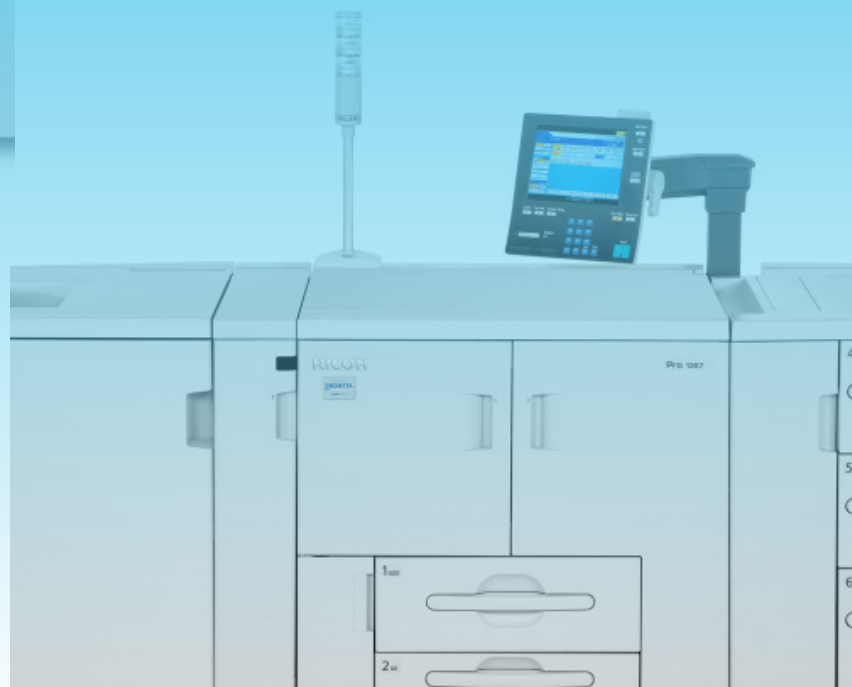# ROSETTA
## TECHNOLOGIES *Knowledge Translated*

# *Pro MICR Cut Sheet Printer Series*
### *Superior MICR technology from a name you can trust.*

# High Performance Printing for Every MICR Environment

For more than 20 years Rosetta Technologies has been a leader in MICR printing solutions. With advanced MICR toner chemistry and optimized print engine controls, the Pro MICR printers offer faster time-to-benefit, and a lower total-cost-of-ownership to our customers.

## Check Printing

Magnetic Ink Character Recognition (MICR) is used to describe the characters and symbols at the bottom of a check. These characters consist of specially designed, standardized fonts that are printed with ink or toner that contains magnetic material.

As checks travel through the check processing system they pass through large reader-sorter machines that identify the individual magnetic strength of each character, which specifies the routing and account numbers. It is a requirement that these characters be printed with MICR toner to ensure they can be efficiently processed. If the numbers are printed on a check with standard toner, the check will be rejected and the issuer will be subject to a fine per item rejected.

When combined with the Rosetta's flexible software solutions including CheckStream check printing software and MICR Print Manager, the Pro MICR printers forms a robust, end-to-end solution for printing checks in the most all types of production environments.

## Image Replacement Document (IRD) Printing

The "Check Clearing for the 21st Century Act", also known as "Check 21", encourages financial institutions to exchange images of checks rather than the physical check. While many banks have implemented this method of exchange, many others still require a hardcopy of the check for processing. In these instances an Image Replacement Document (IRD) is required. Because IRDs are negotiable documents like checks, they must also be printed using MICR toner.

Rosetta Technologies offers end-to-end IRD printing solutions including IRDPrint™ software and Pro MICR cut sheet printers. IRDPrint is a robust group of applications that provide the required functionality for converting image files into compliant IRD files and then securely outputting on Pro MICR printers.

Another essential component to Rosetta's IRD printing solution is Promark™ MICR toner. Promark MICR toner is the industry's first polyester-based MICR toner specially formulated for the most demanding IRD printing environments. While typical MICR toner is polystyrene-based, Promark MICR toner is polyester-based, which is proven to withstand higher temperatures and have stronger cohesion properties. Combined with other proprietary elements of the toner formulation, Promark MICR toner virtually eliminates reader-sorter rejects, which is especially important in printing IRDs.

## TransPromo MICR Printing

TransPromo printing allows marketers to include personalized marketing messages with important statements, invoices and other direct mailing documents to form a direct, one-to-one communication with their customers. TransPromo is a proven marketing vehicle that garners increased revenues, lower costs and improved customer loyalty.

Now, with Rosetta's Pro MICR printers, marketers can broaden their TransPromo capabilities by leveraging the power of MICR to other communications that include checks, such as healthcare reimbursement checks, insurance claims checks and other forms of reimbursements and incentives.

In addition to MICR applications, the high-quality MICR toner in the Pro MICR printers can be used for printing where durability and adhesion is of utmost importance. From retail shelf tags to ID tags to coupon books, MICR toner is proven to withstand pressure, friction and heat better than standard toner.

Rosetta Technologies brings you the Pro 907 MICR, Pro 1107 MICR and Pro 1357 MICR cut sheet printers. The Pro MICR printers take production MICR printing to a new level. With a choice of three speeds, from 90 to 110 to 135 ipm, they are designed for high-volume check and IRD printing environments with the tightest print windows. These powerful printers deliver duty cycles to support your volume requirements, up to 1.9 million images per month. They offer superior MICR output quality, high speed, reliability and finishing capabilities, at an exceptionally low cost-per-page.
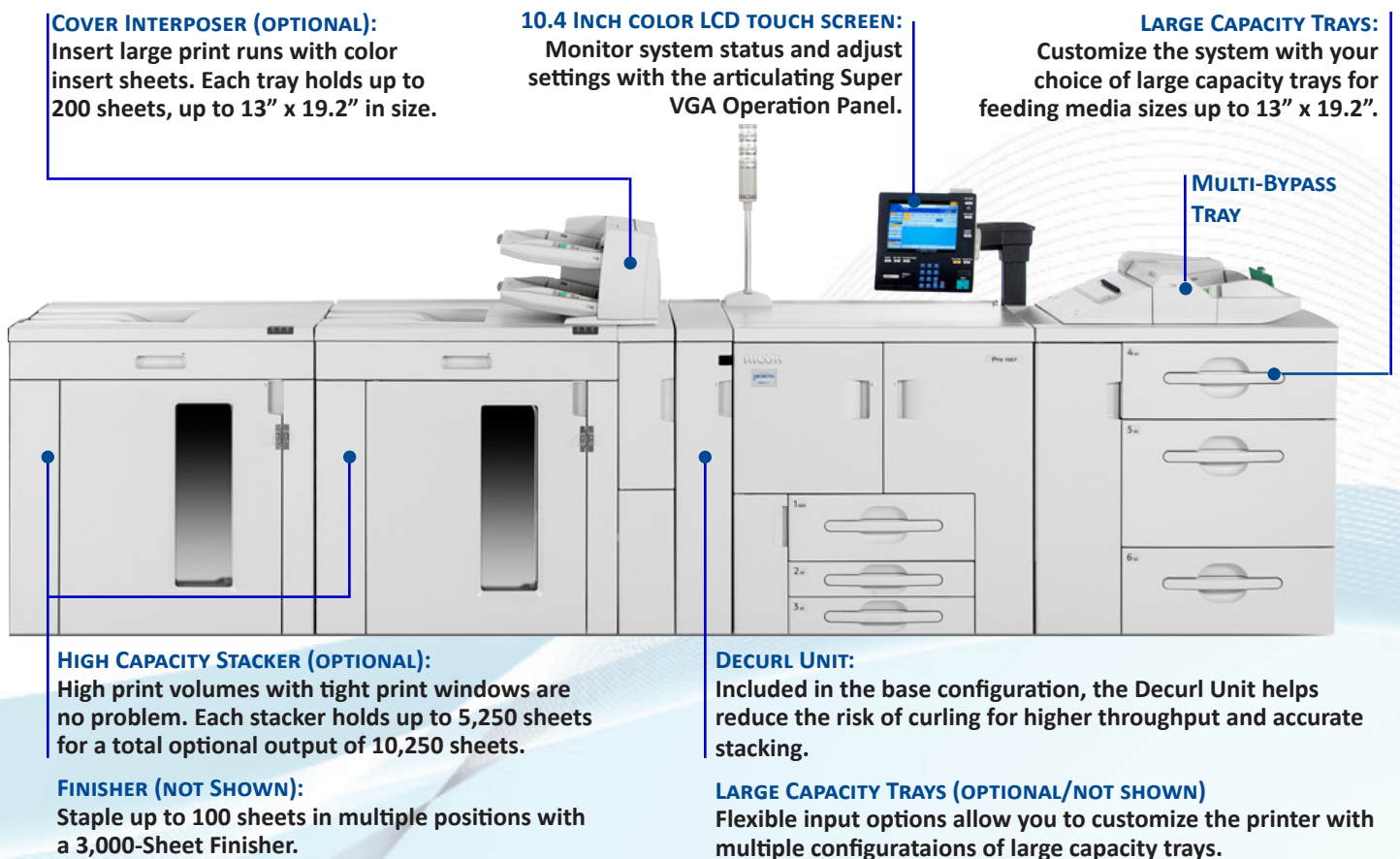
With Intelligent MICR™ features like a programmable online dashboard, robust user and administrative controls and highly-configurable alerts, the Pro MICR printers offer complete oversight to your production printing environment right from your desktop. The printers are available with Rosetta's state-of-the-art Promark MICR toner, which virtually eliminates item rejections in the most demanding check and IRD processing environments.

## PROVEN QUALITY ASSURANCE AND SECURITY

* **E-13B Font.** Created for the Pro MICR printers, the font ensures the highest achievable readability of MICR characters.

* **OCRA Font.** Specially designed font for specific types of printing including for IRDs.

* **CMC7 Font.** Designed specifically for use with Rosetta Technologies' MICR printers to produce the highest achievable readability of MICR characters.

* **Original-Manufactured MICR Toner.** Formulated specific to the Pro MICR printers' engine, which ensures high print quality, excellent toner yield, and long fuser life.

* **MICR Performance Guarantee.** Ensures the readability performance of the Pro MICR printers when used in conjunction with approved MICR toner and check stock.

* **Input and Output Locks.** Secures sensitive paper stock with optional locks on paper trays and container stackers.

## SUPERIOR FLEXIBILITY AND CONTROL

* **Heavy-Duty Input Capacity.** Supports long print runs, while minimizing operator interruptions, with up to 8,050 sheets of input capacity and load-while-running capabilities.

* **Robust Finishing Capabilities.** Simplifies large jobs with up to 10,250 sheets of output capacity via tandem high-capacity stackers with roll-away carts.

* **Air Assist Paper Feeding Technology.** Helps ensure error-free handling for a wide range of stocks like pressure seal paper.

* **Trained Customer Replaceable Units.** Available as a convenience to customers, TCRUs can be used to replace supplies quickly to maximize uptime without calling for service.

* **Datastream Flexibility.** Accommodates every environment including PostScript® 3™, PCL5e/6, direct print PDF, and optional Genuine IBM IPDS™.

* **Environmentally Friendly.** Power-saving capabilities minimize environmental impact, while keeping costs low. Utilize Energy Star qualified models that come with power-saving sleep modes.

**COVER INTERPOSER (OPTIONAL):**
Insert large print runs with color insert sheets. Each tray holds up to 200 sheets, up to 13" x 19.2" in size.

**10.4 INCH COLOR LCD TOUCH SCREEN:**
Monitor system status and adjust settings with the articulating Super VGA Operation Panel.

**LARGE CAPACITY TRAYS:**
Customize the system with your choice of large capacity trays for feeding media sizes up to 13" x 19.2".

**MULTI-BYPASS TRAY**



**HIGH CAPACITY STACKER (OPTIONAL):**
High print volumes with tight print windows are no problem. Each stacker holds up to 5,250 sheets for a total optional output of 10,250 sheets.

**DECURL UNIT:**
Included in the base configuration, the Decurl Unit helps reduce the risk of curling for higher throughput and accurate stacking.

**FINISHER (NOT SHOWN):**
Staple up to 100 sheets in multiple positions with a 3,000-Sheet Finisher.

**LARGE CAPACITY TRAYS (OPTIONAL/NOT SHOWN)**
Flexible input options allow you to customize the printer with multiple configurataions of large capacity trays.

# Pro MICR Printer Specifications

| | |
|---|---|
| **Technology** | Laser Beam Scanning & Electro-Photographic Printing with Dual-Component MICR System |
| **Dimensions (WxDxH)** | Engine: 35" x 34" x 54" ( 870 mm x 859 mm x 1356 mm); Less than 640 lb. (Less than 290 Kg) |
| **Weight** | **Standard Unit:** 1,104 lbs (500 kg) |
| **Printing Speed** | **Pro 907 MICR:** Up to 90 ipm<br>**Pro 1107 MICR:** Up to 110 ipm<br>**Pro 1357 MICR:** Up to 135 ipm<br>IPM=Impressions/Minute |
| **Standard Print Utilities** | Web Image Monitor, @Remote |
| **Standard Input Capacity** | 3,000 sheets (letter/A4)<br>Tray 1: 2,000 sheets (1,000 x2 tray)<br>Tray 2: 500 sheets<br>Tray 3: 500 sheets |
| **Maximum Input Capacity** | 8,050 letter/A4 sheets (with RT5030 and BY5000)<br>6,500 ledger/A3 sheets (with RT5040, BY5000 and RT5010) |
| **Output Capacity** | 10,000 letter/A4 sheets (tandem configuration, 2x container stackers) |
| **Printer media** | **Standard & custom sizes:** 5.5" x 8.5" to 13" x 19.2" (140 x 216 mm to 330.2 x 487.7 mm)<br>**Weight:** from 11 lb. bond to 170 lb. index (40 – 300 g/m2) |
| **media Types** | **Check stock, pressure seal, IRD paper,** plain paper, recycled, special, color (11 colors), letterhead, label paper, translucent, preprinted, bond paper, card stock, OHP, pre-punched, tab stock, coated paper, and some NCR paper |

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|---|---|
| **Controller** | Dual DC Controller |
| **Processor** | 1.7 GHz Freescale MC7448 |
| **Memory** | 1 GB |
| **Hard Disk Drive** | 160 GB SATA |
| **Operating Systems** | Windows 2000/XP, Server 2003, Macintosh*OS 8/9/X |
| **Power Requirements** | 208 – 240 V, 20 A, 50/60 Hz |
| **Page Description Languages** | PCL5e/6 (standard), PostScript 3 including direct print PDF (standard), Genuine IBM IPDS™ (optional), LCDS/Metacode (via optional Solutions print servers and transforms) |
| **Datastream Conversion** | **Optional:** LCDS/Metacode to Adobe®PostScript®; PCL |
| **Network Protocols** | TCP/IP, AppleTalk |
| | **Standard interface:** Ethernet 10/100/1000BaseTX |
| **MICR Fonts (Supplied on CD)** | E-13B; CMC7; Secure Payee Font, Secure Amount Font |
| **Max Duty Cycle** | **Pro 907 MICR:** 1.2M images per month<br>**Pro 1107 MICR:** 1.5 M images per month<br>**Pro 1357 MICR:** 1.9 M images per month |
| **MICR Toner Yield** | 300,000 imp @ 4% Coverage (75,000/Bottle) |
| **MICR Developer Yield** | 500,000 imp @ 80% Utilization |
| **Fuser Cleaning Unit Life** | 750,000 imp |
| **Fuser Unit Life** | 700,000 imp |
| **Photoconductor Life** | 2,500,000 imp |
| **De-Curler Unit** | 5 step adjustment, back curl/face curl, integrated purge tray |
| **TCRU** | Contains drum, development unit, cleaning unit, charger, precharge, fusing unit, cleaning web, paper feed rollers |

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

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

**Call Your Sales Representative for Answers to Any Questions Regarding this Product or Any of Its Accessories.**

**ROSETTA** TECHNOLOGIES

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