THE SOLUTIONS GROUP

Cut-Sheet, High-Speed MICR Printing at Your Fingertips

*MICR-Mate™ is an integrated product powered by **The Solutions Group** and coupled with the best of material handling equipment, inkjet technology, and vision technology available. MICR-Mate is a totally integrated, cut-sheet, high-speed, MICR printing solution; capable of printing up to 150 full-color, ANSI-compliant MICR pages per minute.*

MICR-Mate starts with a single-source file and, within seconds, prints checks in full color—including images, backgrounds, logos and specialty MICR (Magnetic Ink Character Recognition) ink.

Why MICR-Mate?

MICR-Mate is a specialized printing application for those industries printing with MICR ink. TSG developed MICR-Mate as a way to provide an efficient and economical option for cut-sheet, high-speed MICR printing at facilities that have such needs. Our system accommodates MICR ink for secure, bank-approved check printing that meets ANSI compliance standards.

How does MICR-Mate work?

Our simplified printing process takes a print job with variable data and essentially breaks it down into smaller, more manageable parts. MICR-Mate is typically configured to print one to four checks per page. Rebate and convenience checks are quickly and economically printed, up to 150 pages per minute.

The system's high-speed color inkjet printer eliminates the need for stocking various colors of printer paper because background colors in the source file are printed quickly and effectively.

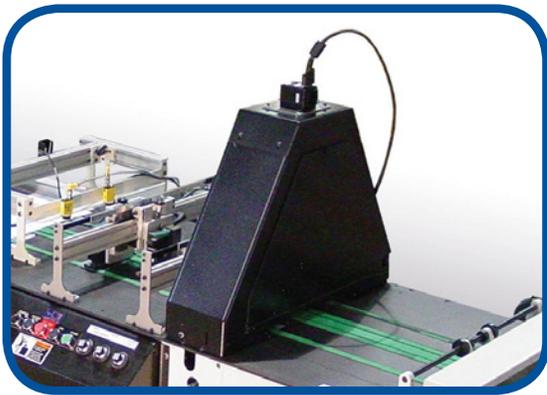### MICR-Mate is designed to work with RISO ComColor high-speed printers.

Here's a step-by-step overview of the process:

1. The MICR data is extracted from the source file.
2. The non-MICR parts of the file are sent to the RISO ComColor high-speed printer.
3. The Hewlett-Packard-based printer system is instructed to print specific MICR data with MICR ink.
4. The MICR line is positioned accurately, based on the original document.
5. The software uses an existing unique barcode (or adds one) on each page for full tracking and verification.

The result... MICR-Mate is a simplified system that takes a print job with variable data and produces it through two fully integrated printing subsystems for a quick and easy cut-sheet MICR printing solution.

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MICR-Mate Verification Module

The MICR-Mate Verification Module ensures data integrity of every printed document. Before your document is released to the output tray, the system scans the completed page and verifies the quality and integrity of barcodes and MICR on the page. This is especially useful in environments where security and continuity is paramount.

The MICR-Mate Verification Module verifies:

- The sequence of all printed pages
- The optical quality of the MICR characters
- The position of the MICR line on the page

MICR-Mate Technical Information

The standard MICR-Mate system includes:
- A high-speed, inkjet printer
- Kirk-Rudy/Hewlett-Packard Printing Technology for MICR printing
- User-friendly software interface from TSG to help manage your system
- A high-resolution camera inspection system
- Optical verification of page identification barcodes
- Optical verification for all lines of MICR

Standard Features include:
- Single ½" line of MICR print
- 1D Barcode support for page identification
- Diverting of purge pages and exceptions
- Up to four (4) hours of Sample Data File Analysis
- Up to four (4) hours of Workflow Definition
- System Installation
- One Day On-Site Print Operator Training

Additional Features:
- Page sequence verification
- MICR optical quality verification
- MICR line position verification
- 2D barcode support for page identification
- Additional print heads—for additional lines of MICR
- Additional operator training on-site
- Additional workflow development services for color matching or data file analysis
- Annual MICR-Mate service contract
- MICR ink cartridges

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