



# ST9820

- Affordable
- Performance & security
- Color display

# SECURE MICR PRINTERS

<b>Model No.</b>	ST9820	
<b>Print Speed (pages/min.)</b>	Up to 50 ppm	
<b>Time to First Page</b>	As fast as 6 seconds	
<b>Maximum Duty Cycle (pgs./mo.)</b>	Up to 175,000	
<b>Recommended Volume (pgs./mo.)</b>	2,000 - 20,000	
<b>Maximum Resolution</b>	1,200 x 1,200 dpi	
<b>Processor</b>	Dual Core 1,000 MHz	
<b>Memory (Standard/Max)</b>	512MB / 512MB	
<b>Standard Connectivity</b>	USB 2.0 (Type B), 10/100/1000 Ethernet	
<b>Optional Connectivity</b>	Wireless	
<b>Duplex Printing</b>	Integrated	
<b>Paper Capacity*</b> Standard (in/out) Maximum (in/out)	650/250 2300/250	
<b>Paper Sources</b> Standard (in/out) Maximum (in/out)	2/1 5/1	
<b>Printer Languages</b>	PCL 5e, PCL 6, Microsoft XPS, PPDS, PostScript 3, PDF 1.7, Direct Image	
<b>Operator's Panel</b>	2.4-inch (60 mm) Color LCD display	
<b>MICR Cartridge Yields**</b>	Starter: 1.5k Replacement: 5k, 15k	
<b>Imaging Unit***</b>	Up to 45,000	
<b>Dimensions (in. H x W x D)</b>	11.9 x 15.7 x 14.7	
<b>Weight (lbs.)</b>	34.8	
<b>Warranty</b>	1-year, return-to-depot from date of sale	
<b>Quality Assurance Features</b>	MICR Guarantee to ANSI / ABA Standards Auto Density Control MICR Toner Detection Low Toner Warning and Auto Stop	Optimized Fusing & Transfer Voltage Originally Manufactured MICR Toner Regulated Fuser Temperature
<b>Secure Fonts</b>	E-13B MICR Font CMC7 MICR Font Microprint Font	Secure Numeric Font ICR Numeric Font
<b>Security Features</b>	Front Panel Security Lock Set Copies to one (1) Auto Jam Recovery Disable Password Protection DES Encryption/Decryption	Audit Trail Tray Locking MICRpoint Datastream Tray Protection Physical Drawer Locks
<b>Options</b>	250 Sheet Tray 550 Sheet Tray	Swivel Cabinet

\*20lb or 75 GSM Paper. Maximum input amount shown is the maximum capacity that can be used for non-MICR printing: high-capacity input trays may interfere with printing quality MICR documents. The maximum input capacity for MICR printing may be lower than the values shown.

\*\* Average standard page yield value declared in accordance with ISO/IEC 19752.

\*\*\* Maximum Yield estimate based on 3 average letter/A4-size pages per print job at approximately 5% coverage. Actual yield may vary.

All specifications are subject to change without notice.



MICR Feature	Description	Benefit
<b>E13B Font</b>	Widely accepted MICR font used in printing MICR encoded documents in the US, Canada, Mexico, the Far-East and some other countries.	Meets ASC X9B/US specification for MICR font and necessary to process checks through the system.
<b>CMC7 Font</b>	Alternative MICR font used to print MICR encoded documents in many European and most Latin American countries. Numeric character set only.	Meets international standards (ISO) 1004.
<b>Secure Numeric Font</b>	Unique ST-designed font that is very difficult to alter because of a special background and very small text & numeric print embedded in the amount line of the check.	Additional layer of security at the document level. Minimizes the risk of fraud.
<b>Microprint Font</b>	Extremely small type font allows one to embed micro text and numbers inside lines of print on the MICR document. Denoted by the letters "MP."	Additional layer of security at the document level. Minimizes the risk of fraud.
<b>ICR Numeric Font</b>	Image readable secure font designed to be read by imaging equipment utilized by many financial institutions.	Additional layer of security at the document level. Minimizes the risk of fraud.
<b>Front Security Panel Lock</b>	Additional security beyond password protection. User must enter an 8 digit combination prior to printing.	Additional layer of security at the document level. Minimizes the risk of fraud.
<b>Set Copies to one (1)</b>	A PCL setting that tells the printer to print the job only once.	Prevents fraud by disallowing the printing of multiple copies of a document.
<b>Auto Jam Recovery Disable</b>	Automatically turns Jam Recovery OFF when checks are being printed.	Prevents multiple copies of a check from being printed.
<b>Password Protection</b>	Prevents access to check-printing resources (stored signatures, MICR fonts, form overlays) without the proper password.	Prevents unauthorized access to MICR and Secure fonts, and user-specific signatures and form overlays.
<b>MICR Toner Detection</b>	Detects whether MICR toner or regular toner is installed in the printer.	Prevents printing of MICR documents with regular toner- preventing costly bank rejects.
<b>Toner Low Warnings</b>	Printer alerts user when MICR toner is low.	Ensures quality MICR printing.
<b>AES &amp; DES Encryption/Decryption</b>	Decrypts the print data stream, protecting it while it is being transmitted to the printer.	One of the highest levels of security available- the printer decrypts the code prior to printing.
<b>Audit Trail</b>	Creates user-defined reports of check printing activity for auditing purposes.	Gives user a written record of check printing activity
<b>3 Year MICR Guarantee to ANSI/ABA Standards</b>	Source Technologies ensures the readability performance of our MICR printers.	Ensures the quality of printed negotiable documents.
<b>Auto Density Control for Toner</b>	Ensures conformance to signal strength standards throughout cartridge life.	Ensures conformance and bank acceptance.
<b>Originally Manufactured MICR Toner Cartridge</b>	Toner cartridges are built and tested using MICR toner.	No "refilled" or "remanufactured" cartridges to introduce potential problems that would damage the printer.
<b>Regulated Fuser Temperature for Optimum Performance</b>	Fusing temperature controlled to match MICR toner and check stock paper weights.	Maximizes toner adherence. Less exposure to fraud due to less toner lift off.
<b>Tray Locking</b>	Key lock on printer and expansion drawers.	Prevents fraud by keeping check stock safe and prevents check paper waste.
<b>MICRpoint</b>	Allows fine tuning of the position of the MICR line.	Accounts for minor variations between printers. Prevents bank rejection of checks.
<b>Datastream Tray Protection</b>	Limits the ability of non-MICR jobs to print from specified trays.	Keeps regular office documents from being printed on check stock. Reduces the amount of re-prints because of printing to the wrong tray and reduces the cost of replacing misused check stock.