



**SourceTechnologies®**

# ST9900 Secure Printer SERIES



Model No.	ST9917	ST9920	ST9921	ST9922	ST9830
<b>Print Speed</b> (pages/min.)	Up to 38 ppm	Up to 50 ppm	Up to 50 ppm	Up to 50 ppm	Up to 55 ppm
<b>Time to First Page</b>	As fast as 6 seconds	As fast as 6 seconds	As fast as 6 seconds	As fast as 6 seconds	As fast as 4.5 seconds
<b>Maximum Duty Cycle</b> (pgs./mo.)	Up to 120,000	Up to 175,000	Up to 175,000	Up to 175,000	Up to 250,000
<b>Recommended Volume</b> (pgs./mo.)	2,000 - 15,000	2,000 - 20,000	2,000 - 20,000	2,000 - 20,000	3,000 - 50,000
<b>Maximum Resolution</b>	1,200 x 1,200 dpi	1,200 x 1,200 dpi	1,200 x 1,200 dpi	1,200 x 1,200 dpi	1,200 x 1,200 dpi
<b>Processor</b>	Dual Core 1.0 GHz	Dual Core 1.0 GHz	Dual Core 1.0 GHz	Dual Core 1.0 GHz	Dual Core 1,000 MHz
<b>Memory</b> (Standard/Max.)	512MB / 512MB	512MB / 512MB	1024MB / 1024MB	2024MB / 2024MB	512MB / 4500MB
<b>Standard Connectivity</b>	USB 2.0 (Type B), 10/100/1000 Ethernet	USB 2.0 (Type B), 10/100/1000 Ethernet	USB 2.0 (Type B), 10/100/1000 Ethernet	USB 2.0 (Type B), 10/100/1000 Ethernet	USB 2.0 (Type B), 10/100/1000 Ethernet
<b>Duplex Printing</b>	Integrated	Integrated	Integrated	Integrated	Optional
<b>Paper Capacity*</b> Standard (in/out) Maximum (in/out)	350/150 2000/150	350/250 2,300/250	350/250 2,300/250	350/250 2,300/250	650/550 4,400/2,550
<b>Paper Sources</b> Standard (in/out) Maximum (in/out)	2/1 3/1	2/1 5/1	2/1 5/1	2/1 5/1	2/1 6/1
<b>Emulations</b>	PS3 PCL 5e PCL6 PPDS PDF 1.7 PCLm Direct Image	PS3 PCL 5e PCL6 PPDS PDF 1.7 PCLm Direct Image	PS3 PCL 5e PCL6 PPDS PDF 1.7 PCLm Direct Image	PS3 PCL 5e PCL6 PPDS PDF 1.7 PCLm Direct Image	PS3 PCL 5e PCL6 PPDS PDF 1.7 HTML Microsoft XPS Direct Image
<b>Operator's Panel</b>	2.8-inch (7.2 cm) Color Touch Screen	2.8-inch (7.2 cm) Color Touch Screen	4.3-inch (10.9 cm) Color Touch Screen	7-inch (17.8 cm) Color Touch Screen	2.4" Color Display and Numeric Pad
<b>MICR Cartridge Yields<sup>1</sup></b>	Starter: 5k Replacement: 5k	Starter: 5k Replacement: 5k, 15k	Starter: 5k Replacement: 5k, 15k	Starter: 5k Replacement: 5k, 12k	Starter: 8k Replacement: 8k, 20k
<b>Imaging Unit<sup>2</sup></b>	Up to 45,000	Up to 45,000	Up to 45,000	Up to 45,000	Up to 80,000
<b>Dimensions</b>	10.4 x 15.7 x 15.3	12.1 x 15.7 x 15.3	12.1 x 15.7 x 15.3	20.2 x 18.9 x 17.8	17.5 x 16.85 x 20.1
<b>Weight (lbs.)</b>	29.8 lbs	33 lbs	33.4 lbs	47 lbs	56 lbs
<b>Warranty</b>	1-year, return-to-depot from date of sale	1-year return-to-depot from date of sale	1-year return-to-depot from date of sale	1-year return-to-depot from date of sale	1-year return-to-depot from date of sale
<b>Wireless</b>	Yes	Yes	Yes	Yes	Yes
<b>Wireless Network</b>	WEP Encryption (64- and 128-bit key), 802.1 x Authentication: MOS, MSCHAPv2, LEAP, PEAP, TLS, TTLS, WP A2™ - Personal	WEP Encryption (64- and 128-bit key), 802.1 x Authentication: MOS, MSCHAPv2, LEAP, PEAP, TLS, TTLS, WP A2™ - Personal	WEP Encryption (64- and 128-bit key), 802.1 x Authentication: MOS, MSCHAPv2, LEAP, PEAP, TLS, TTLS, WP A2™ - Personal	WEP Encryption (64- and 128-bit key), 802.1 x Authentication: MOS, MSCHAPv2, LEAP, PEAP, TLS, TTLS, WP A2™ - Personal	WEP Encryption (64- and 128-bit key), 802.1 x Authentication: MOS, MSCHAPv2, LEAP, PEAP, TLS, TTLS, WP A2™ - Personal



Model Number	ST9917	ST9920	ST9921	ST9922	ST9830
<b>Quality Assurance Features</b>	<ul style="list-style-type: none"> <li>• MICR Guarantee to ANSI / ABA Standards</li> <li>• Auto Density Control</li> <li>• MICR Toner Detection</li> <li>• Low Toner Warning and Auto Stop</li> <li>• Optimized Fusing &amp; Transfer Voltage</li> <li>• Originally Manufactured MICR Toner</li> <li>• Regulated Fuser Temperature</li> </ul>	<ul style="list-style-type: none"> <li>• MICR Guarantee to ANSI / ABA Standards</li> <li>• Auto Density Control</li> <li>• MICR Toner Detection</li> <li>• Low Toner Warning and Auto Stop</li> <li>• Optimized Fusing &amp; Transfer Voltage</li> <li>• Originally Manufactured MICR Toner</li> <li>• Regulated Fuser Temperature</li> </ul>	<ul style="list-style-type: none"> <li>• MICR Guarantee to ANSI / ABA Standards</li> <li>• Auto Density Control</li> <li>• MICR Toner Detection</li> <li>• Low Toner Warning and Auto Stop</li> <li>• Optimized Fusing &amp; Transfer Voltage</li> <li>• Originally Manufactured MICR Toner</li> <li>• Regulated Fuser Temperature</li> </ul>	<ul style="list-style-type: none"> <li>• MICR Guarantee to ANSI / ABA Standards</li> <li>• Auto Density Control</li> <li>• MICR Toner Detection</li> <li>• Low Toner Warning and Auto Stop</li> <li>• Optimized Fusing &amp; Transfer Voltage</li> <li>• Originally Manufactured MICR Toner</li> <li>• Regulated Fuser Temperature</li> </ul>	<ul style="list-style-type: none"> <li>• MICR Guarantee to ANSI / ABA Standards</li> <li>• Auto Density Control</li> <li>• MICR Toner Detection</li> <li>• Low Toner Warning and Auto Stop</li> <li>• Optimized Fusing &amp; Transfer Voltage</li> <li>• Originally Manufactured MICR Toner</li> <li>• Regulated Fuser Temperature</li> </ul>
<b>Secure Fonts</b>	<ul style="list-style-type: none"> <li>• E-13B MICR Font</li> <li>• CMC7 MICR Font</li> <li>• Microprint Font</li> <li>• Secure Numeric Font</li> <li>• ICR Numeric Font</li> </ul>	<ul style="list-style-type: none"> <li>• E-13B MICR Font</li> <li>• CMC7 MICR Font</li> <li>• Microprint Font</li> <li>• Secure Numeric Font</li> <li>• ICR Numeric Font</li> </ul>	<ul style="list-style-type: none"> <li>• E-13B MICR Font</li> <li>• CMC7 MICR Font</li> <li>• Microprint Font</li> <li>• Secure Numeric Font</li> <li>• ICR Numeric Font</li> </ul>	<ul style="list-style-type: none"> <li>• E-13B MICR Font</li> <li>• CMC7 MICR Font</li> <li>• Microprint Font</li> <li>• Secure Numeric Font</li> <li>• ICR Numeric Font</li> </ul>	<ul style="list-style-type: none"> <li>• E-13B MICR Font</li> <li>• CMC7 MICR Font</li> <li>• Microprint Font</li> <li>• Secure Numeric Font</li> <li>• ICR Numeric Font</li> </ul>
<b>Security Features</b>	<ul style="list-style-type: none"> <li>• Set Copies to one (1)</li> <li>• Auto Jam Recovery Disable</li> <li>• Password Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Set Copies to one (1)</li> <li>• Front Panel Security Lock</li> <li>• Auto Jam Recovery Disable</li> <li>• Password Protection</li> <li>• DES Encryption/Decryption</li> <li>• Audit Trail</li> <li>• Tray Locking</li> <li>• MICRpoint</li> <li>• Datastream Tray Protection</li> <li>• Key Drawer Lock</li> </ul>	<ul style="list-style-type: none"> <li>• Set Copies to one (1)</li> <li>• Front Panel Security Lock</li> <li>• Auto Jam Recovery Disable</li> <li>• Password Protection</li> <li>• DES Encryption/Decryption</li> <li>• Audit Trail</li> <li>• Tray Locking</li> <li>• MICRpoint</li> <li>• Datastream Tray Protection</li> <li>• Key Drawer Lock</li> </ul>	<ul style="list-style-type: none"> <li>• Set Copies to one (1)</li> <li>• Front Panel Security Lock</li> <li>• Auto Jam Recovery Disable</li> <li>• Password Protection</li> <li>• DES Encryption/Decryption</li> <li>• Audit Trail</li> <li>• Tray Locking</li> <li>• MICRpoint</li> <li>• Datastream Tray Protection</li> <li>• Key Drawer Lock</li> </ul>	<ul style="list-style-type: none"> <li>• Set Copies to one (1)</li> <li>• Front Panel Security Lock</li> <li>• Auto Jam Recovery Disable</li> <li>• Password Protection</li> <li>• DES Encryption/Decryption</li> <li>• Audit Trail</li> <li>• Tray Locking</li> <li>• MICRpoint</li> <li>• Datastream Tray Protection</li> <li>• Key Drawer Lock</li> </ul>
<b>Options</b>	250 Sheet Tray 550 Sheet Tray	250 Sheet Tray 550 Sheet Tray	250 Sheet Tray 550 Sheet Tray	250 Sheet Tray 550 Sheet Tray	250 Sheet Tray 550 Sheet Tray

\*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.

<sup>1</sup> Average standard page yield value declared in accordance with ISO/IEC 19752.

<sup>2</sup> 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.



## Quality Assurance & Security Features

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 Panel Security 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>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 and combination lock on printer drawer	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-printed because of printing to the wrong tray and reduces the cost of replacing misused check stock.

**Supported Operating Systems**

<b>Microsoft Windows Operating Systems Supported</b>	Windows Server 2008 x64 running Terminal Services, Windows 11, Windows Server 2008 x64, Windows Server 2008 running Terminal Services, Windows Server 2022, Windows Server 2008, Windows 8 x64, Windows Server 2012, Windows Server 2003 x64, Windows Server 2003, Windows Server 2012 R2, Windows Server 2003 x64 running Terminal Services, Windows Server 2003 running Terminal Services, Windows 10, Windows 8.1, Windows Server 2008 R2 running Terminal Services, Windows 8, Windows 2000 Server running Terminal Services, Windows Server 2008 R2, Windows 7 x64, Windows Server 2016, Windows XP x64, Windows Me, Windows XP, Windows Vista x64, Windows 2000, Windows Server 2019, Windows NT (4.00/4.00 Server), Windows Vista, Windows 98 2nd Edition, Windows 7
<b>Linux Operating Systems Supported</b>	OpenSUSE 15.1, Red Hat Linux 8.3, Debian 9.4, Red Hat Linux 7.9, SUSE Linux Enterprise Server 15 SP2, SUSE Linux Enterprise Server 12 SP5, Fedora 33, Fedora 32, Debian 10, Ubuntu 20.04, Ubuntu 18.04 LTS, OpenSUSE 15.2
<b>Apple Operating Systems Supported</b>	Support is provided through AirPrint and AirScan only.
<b>Android Operating Systems Supported</b>	Support is provided through Mopria® Print Service and Mopria Scan.
<b>Citrix MetaFrame</b>	Microsoft Windows Server 2003 x64 running Terminal Services with Citrix Presentation Server 4.0 x64, 4.5 x64, Microsoft Windows 2000 Server running Terminal Services with Citrix Presentation Server 3.0, 4.0, Microsoft Windows Server 2003 running Terminal Services with Citrix Presentation Server 3.0, 4.0, 4.5, Microsoft Windows Server 2008 R2 Standard Edition running Citrix XenApp 6.0, 6.5, Microsoft Windows Server 2003 and 2003 X64 Edition with Citrix XenApp 5.0, Microsoft Windows Server 2008 R2 Enterprise Edition running Citrix XenApp 6.0, 6.5, Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame Presentation Server 4.0, Microsoft Windows Server 2012 R2 Datacenter Edition running Citrix XenApp 7.5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, Microsoft Windows Server 2012 Datacenter Edition running Citrix XenApp 7.5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, Microsoft Windows Server 2012 Essentials running Citrix XenApp 6.0, 6.5, Microsoft Windows Server 2012 Foundation running Citrix XenApp 6.0, 6.5, Microsoft Windows Server 2008 R2 Datacenter Edition running Citrix XenApp 7.5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, Microsoft Windows Server 2008 and 2008 X64 Edition with Citrix XenApp 5.0, Microsoft Windows Server 2012 Standard running Citrix XenApp 6.0, 6.5
<b>Novell Operating Systems Supported</b>	Novell Open Enterprise Server 2 (SP3) on SuSE Linux Enterprise Server 10 SP4 (x86 and x64) 3, Novell Open Enterprise Server 11 (SP3) on SuSE Linux Enterprise Server 11 SP4 (x86 and x64), Novell NetWare 6.5 Open Enterprise Server, Novell Open Enterprise Server 15 (SP1) on SuSE Linux Enterprise Server 11 SP4 (x86 and x64), Novell Open Enterprise Server 11 (SP3) on SuSE Linux Enterprise Server 12 SP1 (x86 and x64)
<b>Other Operating Systems Supported</b>	Virtually any platform supporting TCP/IP.