PRO SERIES COLOR DOCUMENT SYSTEMS

MX-7090N  MX-8090N

“2019 Copier MFP Line of the Year”

2019 BLI
BUYERS LAB
LINE OF THE YEAR
Results-driven, the versatile new Sharp Pro Series color document systems deliver ground-breaking performance.

The new Pro Series MX-7090N and MX-8090N light production color document systems offer proven technology, award-winning features and exceptional image quality at speeds up to 80 ppm. Built with the customer in mind, producing professional-looking documents has never been easier. Organizations, large and small, will benefit from the versatility of the available input and output options. Options ranging from the air-feed paper handling option, to the production booklet finisher that prints up to 120 page full-bleed booklets, the Pro Series can help your organization produce more jobs in-house, saving time and money.

These new models simplify workflow like never before with the large 15.4” (diagonally measured) touchscreen display utilizing the latest controller architecture and intuitive user interface Sharp has to offer. These models also offer a choice of three powerful print controllers, including the standard Sharp print controller and two optional Fiery® Print Servers operating on the latest FS300 Pro and FS300 platforms enabling customers freedom to choose the right fit for their workflow requirements.

Key Features

• **Ease of Use** – Next generation intuitive user interface with large touchscreen display, simplified Easy Modes and full integration with Fiery Command WorkStation®.

• **Flexible Options** – Choice of three powerful print controllers, including the standard Sharp print controller and two optional Fiery Print Servers operating on the latest FS300 Pro and FS300 platforms for maximum versatility and productivity.

• **Reliability** – Sharp’s new fuser technology ensures consistent edge-to-edge printing while the exclusive triple air-feed paper handling option maximizes uptime and employs precise media handling for a wide range of specialty stocks with reliability you can count on.

The MX-7090N and MX-8090N also support Sharp OSA® technology, which makes integration with network applications and cloud services simple and easy. And with Sharp’s multi-layered Security Suite, these new models can help protect your data and personal information from the first day of operation to the time of trade-in.
Efficient design and increased multi-function features enable your business to maximize productivity.

- Flexible modular design provides a wide variety of configurations from basic high-speed copying and printing to professional folding and booklet making.
- 150-sheet Duplex Single Pass Feeder (DSPF) scans documents at up to 200 images per minute.
- Up to 13,500-sheet paper capacity supports media up to 110 lb. cover stock (300 gsm) and up to 13" x 19" output.
- Print Engine Paper Catalog stores up to 1,000 media profiles to help maintain optimum print quality.
- Sharp’s Color Consistency System with next generation image process control delivers high-quality color output and maintains optimum color balance and toner density page after page.
- Standard high-performance print controller with PCL® 6 and Adobe® PostScript® 3™ included.
- Next generation intuitive user interface with large 15.4" (diagonally measured) multi-position touch-screen display with swing-out keyboard.
- Easily access popular cloud applications, including Microsoft® OneDrive® for Business, SharePoint® Online and Google Drive™ with Sharp’s Cloud Connect features.
- True 1200 x 1200 dpi printing provides beautiful images and enhanced clarity for fine details such as small text and graphics.
- Compact PDF feature dramatically reduces the file size of scanned color documents, resulting in decreased network traffic and more efficient use of disk and cloud storage.
- Standard Job Management features make it easy to print on-demand as well as view jobs, retain jobs, combine jobs, select print settings and more.
- Sharp’s new fuser technology ensures consistent edge-to-edge printing with a uniform finish across the page for professional-looking full image documents.
- Convenient End-of-Lease feature can erase all files on the hard disk drive, all user data, job status data and address book data at trade-in time.
- PANTONE Licensing offers unprecedented levels of color fidelity to the PANTONE MATCHING SYSTEM®
Production class paper handling, full-bleed printing, with versatile in-line finishing – the MX-7090N/8090N capabilities will exceed your expectations.

**Print Full-bleed High Quality Color Booklets In-line**

The MX-7090N/8090N features the new state-of-the-art fuser that helps print full-bleed booklets with ease and delivers the high quality you expect. The new fuser employs an advanced design with a high-density pressure roller that ensures evenness and uniformity throughout print and copy runs, which is critical for producing high value documents, full-bleed booklets, brochures and more.

With Sharp’s award-winning innovative edge-to-edge printing capability, the design possibilities are virtually unlimited. This versatile borderless technology is a Sharp exclusive that can give your team the creative edge! The available MX-FN22 Saddle Stitch Finisher and MX-TM10 Trimmer Unit allows operators to produce compelling full-bleed color booklets with up to 80 pages. Add the Plockmatic Production Booklet Maker and produce up to 120-page saddle-stitch or square fold spine booklets. These models are engineered to help reduce outsourcing costs as well as production time for in-house professional results.

**Production Class Paper Handling with Air-feed Technology**

Sharp understands the importance of productivity, which is why the new MX-7090N and MX-8090N models offer up to 13,500-sheet paper capacity and support media types up to 110 lb. cover (300 gsm), even when duplexing! Sharp’s advanced large capacity paper tray option uses air-feed technology, which minimizes downtime. A feature typically found on printing presses, the triple air-feed system directs air flow with precision accuracy to ensure proper paper handling. The standard dual head document feeder can scan up to 200 images per minute.

Triple air-feed LCT paper trays maximize reliability and minimize downtime. Pneumatic sensors maintain consistent air flow.

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*Produce high quality full-bleed color booklets up to 120 pages with available options.*

*Print 80-page booklets with the space-saving MX-FN22 Saddle Finisher.*
BRILLIANT COLOR – EXCEPTIONAL WORKFLOW MANAGEMENT

Increase productivity and elevate color quality to unprecedented levels with the Fiery® Color Print Servers available with the Sharp Pro Series Color Document Systems – choose from two powerful integrated solutions for managing print on-demand environments.

**Easily Handle High-volume Production**
Boost production with the power of the new, advanced Fiery FS300 Pro and FS300 platforms. The MX-PE13 and MX-PE14 Fiery Print Servers are designed to handle heavy workloads and provide faster turnaround times. They improve throughput and productivity by printing one page while processing subsequent pages, and by storing processed pages in memory before printing.

**Produce Consistent and Accurate Color Across Applications**
Produce precise, consistent color from all applications, platforms and formats with Fiery color management technology. Accurately match and manage corporate, PANTONE®, and custom spot colors with Fiery Spot-On™ to ensure consistent reproduction of your brand identity. Produce repeatable color every time with professional-level color management tools.

**Lead with Exceptional Performance, Quality and Ease-of-use**
The MX-PE13 External Fiery Print Server is built with the latest Fiery technology to maximize color, performance, usability and integration. The MX-PE13 packs the horsepower and standard features required for advanced print workflow and demanding print operations. The intuitive Fiery Command WorkStation® job management software makes complex jobs simple to setup and print, and is available right from the touchscreen display of the Pro Series.

**Powerful Fiery Workflow at Entry Level Price**
The MX-PE14 Embedded Fiery Print Server delivers high-quality, consistent output with the signature time-saving Fiery file-processing and job management tools at an entry level price. Adding the optional Productivity Package automates job submission, makes last minute image corrections, and uses advanced queue management to assign print priorities for professional results.

MX-8090N shown with Fiery Command WorkStation fully integrated at the Sharp control panel, included with the MX-PE13 Fiery Print Server.

MX-PE13 integrated server screen provides ability to see printed jobs, jobs waiting to print/process, and backup schedules from Fiery QuickTouch™ software interface.
High Performance

Plockmatic Production Booklet Maker System
Produces 120-page full-bleed, square-fold spine booklets in-line at engine speed.

Color Consistency System
Sharp’s Color Consistency System combines Micro-fine Toner Technology with advanced Developer Refresh Technology and next generation Image Process Control. This synergy of processes helps ensure color output is at peak performance page-after-page and job-after-job.

Convenient Job Management
1TB hard disk drive provides ample on-board document storage. An intuitive thumbnail view makes it easy to select, edit, reprint, repaginate and more with the standard print controller.

Versatile Finishing Options
Two powerful finishing systems are available – a 4,000-sheet stapling capacity or a 4,000-sheet saddle-stitch finisher, which can produce up to 80-page full-bleed booklets with the available face trimmer unit.

GBC® SmartPunch Pro™
Professional punching system produces up to seven commonly used punch styles for creating professional bound booklets.

Multi-Folding Unit
Provides a variety of folds, including Z-fold, C-fold, Accordion fold, Double fold and Half fold.

5,000-Sheet Stacker
For high volume post process jobs, add the 5,000-sheet stacker with standard paper cart. Connect two stackers in tandem (as shown) for unattended output of up to 10,000 sheets.

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VERSATILITY AND SCALABILITY

The MX-7090N and MX-8090N Pro Series Color Document Systems offer a choice of three powerful print controllers, including two optional Fiery® Print Servers that feature the latest FS300 Pro and FS300 platforms, enabling customers with the freedom to choose the right fit, custom tailored to their workflow requirements.

**Post Sheet Inserter**
Produce professional looking documents with pre-printed covers and chapter inserts.

**Integrated Network Scanning**
Sharp’s ImageSEND™ feature provides one-touch document distribution. Scans to multiple destinations, including E-mail, FTP, Network Folder (SMB and Home Directory) and USB.

**Duplexing Single Pass Feeder (DSPF)**
Standard 150-sheet dual head document feeder scans both sides of a document in a single pass at up to 200 images per minute (IPM). This system helps maximize both efficiency and reliability.

**15.4” (diagonally measured) Touch-screen**
A large, high resolution customizable touch screen display provides users with a friendly graphical interface that offer a clean design, simplified Easy Modes and integrated operation guides.

**500-Sheet Multi-Bypass**
Feeds paper sizes from 5-1/2” x 8-1/2” to 13” x 19”. Also feeds banner paper up to 12” x 51.1” with the available Long Paper Feeding Tray.

**Independent Motors**
Insulated independent motors run quieter and provide higher reliability.

**3,000-Sheet Standard Paper Capacity**
Includes 2,000-sheet letter size tandem tray and two 500-sheet letter/legal/ledger size trays. Add optional paper handling accessories for a maximum on-line paper capacity of 13,500 sheets.

**Rigid Frame Construction**
Offers increased durability and reliability to withstand heavy use.

**Superior Media Handling**
Sharp’s advanced 5,000-sheet large capacity paper tray option utilizes triple air-feed technology, which directs air flow with precision accuracy for proper paper handling and enhanced media support up to 300 gsm. Two large capacity trays can be connected in tandem (as shown).
**FLEXIBLE CONFIGURATIONS TO MEET YOUR NEEDS**

*Versatile and Customizable to Fit Your Needs*

The MX-7090N/8090N Pro Series Color Document Systems offer flexible paper handling and finishing options to accommodate any size in-plant or on-demand workflow environment.*

*Modular Options Make it Easy to Build the System of Your Choice*

Options for the MX-7090N/8090N enable businesses to choose from several high performance finishing systems that offer up to 100-sheet stapling, professional saddle stitch booklet making and three-hole punching. More advanced configurations include a square-fold spine Booklet Making System, a professional punching system, high capacity paper stackers, a two-tray inserter, a multi-folding unit and a trimmer unit.

*Some options not available in all configurations, see your local dealer.*
Versatile document workflow solutions provide you with extensive benefits to help your bottom line.

**Simplify Managing Different File Types with Intelligent Image Processing**
Easily and quickly scan and convert documents to popular file formats including Microsoft Word, PowerPoint®, and Excel®, as well as a variety of PDF formats such as Searchable PDF, Encrypted PDF, Compact PDF and others. You can also direct print these same file types from thumb drives, cloud applications and mobile devices. This function is enabled via DirectOffice™ technology. With this much flexibility, you can speed through your workflow tasks faster than ever!

**Distribute, Access and Print Your Documents with Ease**
Sharp makes it easy to send documents to the destinations you need, and goes beyond traditional network scanning with standard Email Connect and Cloud Connect features. With Email Connect, scan-to-email is seamlessly integrated with Microsoft Exchange and Gmail™. With Cloud Connect, you can easily scan to and print from Microsoft OneDrive for Business, SharePoint Online and Google Drive without additional middleware.

**Flexible Printing Solutions Help Speed Up Your Productivity**
The MX-7080N/8090N come standard with PCL® 6 and Adobe® PostScript® 3™ printing systems to help you speed through all of your output needs with accuracy. To help streamline your jobs, these powerful performers include Serverless Print Release technology, enabling you to securely print a job and release it from up to six compatible models on your network including the machine acting as the host.

**Simplify Complex Business Workflows**
Sharp OSA technology can help your business leverage the power of your network applications, back-end systems and cloud services. Easily automate complex processes and help eliminate redundant tasks. Create your own custom integrations or take advantage of the growing portfolio of Sharp OSA applications available from Sharp Partner Program members.

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1. Go to www.sharpusa.com for a list of supported devices and operating systems.
2. Some features require optional equipment and/or software/services.
Innovative document and device protection helps ensure confidentiality.

Businesses require that the devices on their networks are properly managed and closely monitored to ensure their data remains uncompromised. To help achieve this, the MX-7090N/8090N models offer powerful device management utilities, web-based customer training and advanced, multi-layered security features.

Expand Control with Easy-to-use Management Features

With the Sharp Remote Device Manager (SRDM), administrators can take control of system features and simplify installation and management. SRDM makes it easy to view service logs, click counts, history reports and more. Its event-driven service alerts help you monitor the device and maximize uptime. The Remote Front Panel feature allows administrators to view and control the machine’s LCD panel from a PC to troubleshoot issues and train operators remotely. Sharp also offers both built-in and additional auditing hardware and software to control, access and track usage of each device on the network. And with My Sharp™, you get a dedicated training website customized to your model and configuration to help you understand and utilize all of the advanced features of your Sharp product, including those for security.

Documents Remain Confidential

To help protect employees’ privacy and intellectual property, the MX-7090N/8090N color document systems are armed with a variety of security measures, including features such as data encryption, data overwrite protection and data erase. Multiple security protocols help restrict access to the device while in operation, and a convenient End-of-Lease feature overwrites all data at time of trade-in. Authority Groups help manage and restrict specific copying, printing and scanning features to safeguard data and control costs. The Admin Audit Log feature allows IT administrators to track activity on the device. Confidential Printing helps ensure that sensitive documents are kept safe by requiring users to enter a PIN code in order to print them. For advanced security, these models support Active Directory user authentication and secure single sign-on to network folders and emails. For an optimized workflow experience, ID card authentication is also available.

These scalable security offerings aim to protect your intellectual property, preserve confidential information and help your business meet regulatory requirements including the Health Insurance Portability and Accountability Act (HIPAA) and the Family Educational Rights and Privacy Act (FERPA). For additional information visit: www.sharpusa.com/security.
Sharp's environmental initiatives and dedication to developing energy efficient document systems set a high standard for the industry.

An Environmentally Responsible Approach to Product Design
Sharp is committed to environmental sustainability and corporate responsibility including planning, design, manufacturing, distribution and product end-of-life management. The MX-7090N and MX-8090N adhere to Sharp's Green Products Guidelines in pursuit of these commitments. These guidelines include designing products that consume less power, using recycled materials, reducing the amount of material used in products and packaging, and labeling the type of materials used. Sharp also aims to design products that are upgradable, easy to repair and easy to take apart for recycling.

The MX-7090N/8090N document systems are ENERGY STAR® qualified and RoHS compliant to restrict the use of hazardous substances. These products also have low TEC values. Sharp MFPs are EPEAT® registered.

Toner Recycling Program
As part of our commitment to helping preserve the environment, Sharp offers our customers zero-waste-to-landfill recycling for Sharp consumables, including cartridges, bottles, toner collection containers and drum units. Sharp encourages customers to recycle their used Sharp toner cartridges in bulk by providing a pre-paid recycling kit for their return to our facility.

Environmental Leadership
As a testament to our commitment to the environment, Sharp is a multi-year winner of the ENERGY STAR annual Excellence in Energy Proficieny Product Design. Sharp is also a multi-year winner of the SmartWay® Excellence Award which recognizes companies for conserving energy and lowering greenhouse gas emissions in logistics and transportation.

For more information about Sharp's environmental leadership including information about energy efficient products, electronics or toner cartridge recycling, please visit www.sharpusa.com/environment.
MX-7090N/8090N SPECIFICATIONS

**Main Specifications MX-7090N/8090N**

`Base models include LCD, 150-sheet DSF, 3,600-sheet paper capacity (2,000-sheet tandem tray and two 500-sheet trays). 1-TB hard disk drive, PCL 6 and Adobe® PostScript® 3™ network printing, color network scanning, swing-out keyboard, MX-AMK2 application communication module and MX-AMK3 external communication module. Black and color are included as default.

**Type**

Color, multi-function digital document system

**Display**

15.4” (diagonally measured) color display with high-resolution touchscreen panel display.

**Output System**

Copy, print, network print, network scan and document filing

**Exposed Control**

Color, Monochrome/Black & White, LCD, Tandem, Duplex

**Firmware**

Firmware is flashable with local USB, network update capability and firmware update 1 to N with SDROM (Sharp Remote Device Management)

**Device Setup**

Web-based management with user/administrator level logging, archiving (1 to N with SDROM) and remote front panel access

**Service/Functions**

Remote front panel, remote access to service logs and click controls

**Accessibility**

Free stop lifting front panel, adjustment of key touch sound and feel, concave key, developer free stop, job programs, remote control, universal grip for paper tray, and display screen timeout.

**Emissions**

International ENERGY STAR Program Version 2.0, Law on Promotion of Green Purchasing, European RoHs (Restriction of Hazardous Substances)

**Power Source**

AC 208-240 VAC, 60 Hz, 260 A, Receptacle

**Power Consumption**

Maximum: 2,800 W or less

**Weight**

Approx. 493 lbs.

**Dimensions**

Approx. 38”W x 22”D x 27”H (d ft)

**Warm Up Time**

90 seconds or less

**Magnification**

25% to 400% in 1% increments (with document feeder 25%-200%)

**Original Feed**

150-sheet DSF

**Scan Speed**

Up to 200 ppm (Monochrome or Color)

**Original Sizes**

8½ x 11”, 8½ x 11”, 8½ x 14”, 11” x 17”, 11” x 17”

**Paper Capacity**

Standard: 3,000 Sheets/Maximum: 13,000 Sheets

**Memory**

Standard: 6 GB

**CPU**

Multi-Processor Controller 1.9 GHz, 660 MHz and 400 MHz

**Interface**

RJ-45 Ethernet (10/100/100 Base-T), USB 2.0 (2 heart ports, front and rear), USB 2.0 (device port)

**Printers**

LPR, IPP, IPPS, RAW, POP (port 9110), FTP, HTTP, LPD, LPR

**Scan destinations**

Email, Desktop, FTP, Folder (DMG), USB

**Account Control**

Up to 1,000 users. Supports user-number authentication (on device, login name/password or login name/password (via LDAP server) for copy, print, scan and document management.

**Cloud Supported Services**

Google Cloud Print, Google Drive, OneDrive for Business and SharePoint Online

**Network Protocols**


**Network and Data Security**

Includes IP/AMC address filtering, protocol logging, port control, Full Color Monochrome (BW)

**Environmental**

Approx. 134.5 lbs.

Dimensions: Approx. 38”W x 22”D x 27”H (d ft)

Power Consumption 220V/230V with MX-MF10

Weight Approx. 238.1 lbs.

Dimensions: Approx. 35”W x 24”D x 27”H (d ft)

**Optional Equipment**

MX-AMX1 3,000-sheet Large Capacity Cassette (Letter)

MX-LC1IN 5,000-sheet Large Capacity Cassette 2-Drawer All-Tray Feed (Tray)

MX-LC2IN 3,000-sheet Large Capacity Cassette (Tray)

MX-MF10 100-sheet Multi-Bypass Tray (for machine)

MX-FR1 500-sheet Multi-Bypass Tray (for MX-LC1IN)

MX-LTD Long Frontal Paper Feeding Tray (requires MX-MF10)

MX-NF1 4K Stacking 100-sheet Staple Finisher

MX-NF2 4K Stacking 100-sheet Staple/Staple Finisher Stitcher

MX-IF11 2-Tray inserter Unit

MX-FD10 Multi-Folding Unit

MX-STU 5,000-sheet Finisher (includes paper cutter)

MX-CAS Paper Cartridge (additional)

MX-RIS Paper Pass Unit (for MX-RC1)

MX-RUP Relay Unit

MX-BIP Paper Pass Unit (for MX-LC13)

MX-BU5 Curl Correction Unit

MX-BF1 Large Capacity Tray Tandem Connecting Kit

MX-TMP Trimmer Unit

MX-PN13B 3-Hole Punch Unit (for MX-NF1/P3)

MX-SKI 150-sheet Staple Cartridge (for MX-NF2)

MX-CAR 60-sheet Staple Cartridge (for MX-NF2)

MX-T16 Right Side Exit Tray

MX-FU4 Center Exit Tray

MX-PFD0 Card Feed Kit

MX-ESD External EDS Server

MX-PK3 Ethernet Fax Kit (for MX-PK13)

MX-PFE Embedded Printer Kit

MX-PK2 Ethernet Fax Kit (for MX-PFE)

MX-BMK Plockmatic Production Booklet Maker

MX-SPC1 60G SmartPunch Pro

MX-CDS1 Commercial Data Security Kit (not available at time of launch)

MX-SLN Status Indicator

**Supplies**

MX-62NBA Black Toner Cartridge

MX-67NCA Cyan Toner Cartridge

MX-70NMA Magenta Toner Cartridge

MX-75NFA Yellow Toner Cartridge

MX-62WBA Black Developer

MX-62WCA Cyan/Green/Yellow Developer

MX-62WUA Toner

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