Meet All Your Colour Printing Needs with Ease, No Matter the Volume
Making In-House Printing Fast, Easy, and Powerful

High Productivity
The MX-8090N/7090N's print engine handles large-volume colour jobs with ease. It offers outstanding productivity, thanks to its large paper capacity, high-speed DSPF, and smart systems that prevent paper mis-feeds and minimise downtime.

When you need to print a business proposal or strategy paper right now, the MX-8090N/7090N gets the job done fast.

Superb Image Quality
Stable image quality means high-speed, large-volume jobs come out with consistently high quality, from first page to last. The full-length guaranteed print range ensures that you get superb image quality over the entire printable area.

Enjoy a consistently high level of print quality, even for demanding, large-volume jobs.
The MX-8090N/7090N is built for fast, high-volume printing in large-scale settings. Whether at a large company, government office, university, or research centre, it produces beautiful colour documents with ease. Refined Sharp MFD technology delivers an optimal balance of productivity, quality, and user-friendly operation. You can do short-run documents for presentations, press releases, or marketing materials. Or do bulk printing of booklets, pamphlets, and in-house magazines. A powerful Fiery® server option adds further versatility to an MFD that can already handle a wide variety of documents. With the MX-8090N/7090N, you also save the cost of outsourcing your print jobs.

Enhanced Versatility
The MX-8090N/7090N has all the features you need in a CRD, including a wide range of paper feeding and finishing options. You can also pair the MFD with a Fiery server—external or embedded—to get the advantage of more efficient print management.

Thanks to precise colour management and a range of finisher options, you get superb-looking documents every time.

Smooth Operation
Thanks to a large 15.4-inch LCD and the same user-friendly UI found on other Sharp MFDs, it’s easy and intuitive to operate the MX-8090N/7090N. This MFD also features OCR capability and direct printing of Microsoft® Office files, meeting the needs of office users.

Anyone—including newcomers to your team—will be able to operate the MFD and take advantage of its advanced features in no time.
Super-Efficient Colour and B/W Output
The MX-8090N/7090N delivers a fast output of 80/70 ppm* in B/W and
in full colour. The first copy comes out in just 3.7/4.0 seconds in B/W
and 5.1/5.6 seconds in full colour, saving you valuable time when
performing multiple short-run jobs.

High-Efficiency Scanning
The MX-8090N/7090N comes equipped with a highly efficient
150-sheet DSPF (duplex single pass feeder). This scans both pages of
two-sided documents in one pass. With a scanning speed of
up to 100 opm* (one-sided) or
200 opm* (two-sided), this
MFD can finish even large
projects quickly.

Front-to-Back Registration
Based on feedback from two paper-position sensors located in the
paper path, the MX-8090N/7090N employs an image shift function to
automatically adjust the position of printed images with respect to the
edges of a page. This precise front-to-back registration ensures exact
correspondence of the printed material, so that consistently high
levels of quality can be achieved when producing leaflets, brochures,
and other documents—including those with two-sided double-page
spreads or those that are to be saddle stitched and trimmed. Users can
also manually adjust vertical/horizontal ratio* and position settings to
achieve even more precise front-to-back registration.

* Available only for Sharp printer driver.

Large Paper Capacity
While the MX-8090N/7090N holds 3,100 sheets of paper, this standard
capacity can be expanded to meet the needs of high-volume jobs.
Adding an optional 500-sheet Multi Bypass Tray and two 5,000-sheet
(2,500 × 2) Large Capacity Trays boosts capacity to
13,500 sheets and enables a
maximum 9-way automatic
paper feed. And when a tray
runs out of paper, the Auto
Tray Switching function
automatically switches to
another tray with the
same-sized paper.

Limitless Operation
There’s no need to stop the MX-8090N/7090N during large-volume
copy/print jobs when the toner cartridge needs changing or when a
paper tray needs replenishing. This means minimum downtime for the
MFD during busy workloads. The MX-8090N/7090N can use toner from
the large intermediate toner
hopper to continue printing
while the empty toner cartridge
is replaced with a new one. Paper trays not currently in use
can also be replenished without
stopping the machine.

Curl Correction
For reliable output of two-sided copies and prints, the MX-8090N/
7090N provides built-in curl correction to uncurl paper just after
transfer. And for added stability, the optional Curl Correction Unit uses
top and bottom rollers to apply pressure to convex and concave curls,
preventing paper from warping before it goes to the finisher.

Triple Air-Feed System
The Triple Air-Feed System on the optional 5,000-sheet MX-LC13 N
Large Capacity Trays reliably separates and feeds in paper to facilitate
jam-free operation and minimise downtime. Capable of supporting a
wide range of paper types, this system employs air-feed technology
and three precisely directed air flows for maximum reliability and
proper paper handling.

Multi-Feed Detection System
A precision-engineered Multi-Feed Detection System employs
ultrasonic technology and separation rollers for double-fed paper to
detect and prevent misfeeds from the paper feed section for maximum
uptime.
Breathtaking Image Quality

Full-Length Guaranteed Print Range
With the MX-8090N/7090N, you don’t have to worry about print quality degrading on the edges of your documents. The guaranteed print area reaches right to the edges of the printable area. This means that superb print quality is assured across the entire printable length of 319 mm.

High-Resolution Output
The MX-8090N/7090N employs 8-bit image processing to deliver razor-sharp 1,200 x 1,200 dpi printing—without sacrificing output speed. Digital smoothing technology enhances the print and copy resolution to the equivalent of 9,600 x 600 dpi for smooth reproduction of fine lines. Fine-grained photographs, detailed illustrations and graphs, and small text come out crisp and clear.

Dot Screening Technique
In addition to conventional line screening, the MX-8090N/7090N employs the dot screening technique—typically found on offset printers—for colour and greyscale printing. Thanks to dot screening, the MX-8090N/7090N can emulate the high-quality printing of offset printers.

Mycrostoner-HG3
Third-generation Mycrostoner-HG3 (High Grade) expands the colour reproducibility range for a more natural rendering of clear blue skies, emerald green oceans, and other colour images. And the smaller particle size of the toner and the carrier allows for reduced graininess and clear reproduction of fine lines, fine text, and halftone colours.

Adobe® PostScript® 3™
The MX-8090N/7090N supports genuine Adobe PostScript 3 for better graphics handling. Complex colour graphics can be printed out in a short time with minimal error, and multiple colour spaces such as RGB, CMYK, and Lab can be used.

Advanced Technologies to Maintain High Image Quality

Developer Refresh System
In order to achieve consistent image quality from first page to last, Sharp developed the Developer Refresh System. In this system, toner and carrier are delivered to the developing unit at the same time. By discharging old developer little by little and continuously replacing it with new developer, this system prevents developer deterioration, ensuring stable print quality over the long term.

Auto Process Control
To maintain a consistently high image quality during large-volume print jobs, the MX-8090N/7090N employs an enhanced periodic colour calibration system. Image density sensors monitor image consistency to minimise colour variance between pages. As an added advantage, the MFD makes the necessary colour adjustments without stopping the print job, ensuring time-efficient printing.
Enhanced Versatility

Versatile Paper Handling

The MX-8090N/7090N accommodates a wide variety of sizes, weights, and types of paper, expanding the range of possible printing applications.

- **Paper Sizes**: The MX-8090N/7090N supports an extensive range of standard paper sizes from A5 to SRA3/A3W, along with custom paper sizes up to 330 x 488 mm. Thanks to its printable area of 319 x 1,292 mm, this MFD enables full-bleed printing of an A3 image with crop marks or two A4 images with crop marks.

- **Paper Weights**: The MX-8090N/7090N handles paper as thin as 55 g/m² and as thick as 300 g/m². Duplexing is possible for paper ranging from 60 g/m² to 300 g/m².

- **Paper Types**: In addition to plain paper, the MX-8090N/7090N accommodates a number of other paper types—including coated, textured, or embossed paper—as well as envelopes. This gives users the flexibility to fulfill diverse printing needs.

Professional-Quality In-Line Finishing Options

Stapling and Punching

With a maximum output capacity of 4,250 sheets, handy Finishers provide three stapling positions—front corner, rear corner, and two-point side—for up to 100 sheets per set. Two-to-four-hole punching is available as an option.

- **Stapling Positions**
  - Rear corner
  - Front corner
  - 2-point side

- **Punching Positions**
  - 2-hole punching
  - 3-hole punching
  - 4-hole punching
  - 4-hole wide punching

Full-Bleed Booklet Making

The MX-8090N/7090N’s edge-to-edge printing feature ensures printing to the top and bottom edges of the page, so that only the void areas of the lead and trail edges need to be trimmed for a full-bleed effect. This feature allows production of full-bleed A4-size booklets up to 80 pages in length. Using this function with the Saddle Stitch Finisher and Trimming Module enables users to automatically create high-quality, professional-looking booklets in-line, helping to reduce both outsourcing costs and production times.

- **A Variety of Folds**
  - Z-fold
  - C-fold
  - Accordion fold
  - Double fold

- **A Variety of Folds**
  - Z-fold
  - C-fold
  - Accordion fold
  - Double fold

- **Insertion**
  - For truly professional results, the Inserter can add pre-printed covers and insert paper up to 220 g/m² to documents before final finishing. Two input trays, each with a capacity of 200 sheets, make it possible to feed in two different types of paper.

Long-Paper (Banner) Printing

The MX-LT10 Long Paper Feeding Tray accommodates extra-long paper up to 1,300 mm—expanding the range of print products to include panoramic pictures, large display-window ads, banner signs, and more.

- **Contact a Sharp customer representative for details on using this function.**
**Fiery® Server for Outstanding Quality and Efficiency**

Paired with an industry-leading EFI™ Fiery server, the MX-8090N/7090N becomes a powerful integrated solution for managing professional in-plant and busy on-demand printing environments. Two options are available to match your needs: the multifunctional MX-PE13 external server, or the more affordable basic MX-PE14 embedded server.

**Centralised Control and Automated Management**

The MX-PE13/PE14 Fiery Server offers a centralised solution that features the award-winning Command WorkStation® with a de facto industry-standard print job management user interface. It’s intuitively easy to preview jobs, check their progress, and do reprints. With the MX-PE13, Command WorkStation is fully integrated at the MFD’s control panel. This allows you to monitor, control, and troubleshoot production directly from the touchscreen.

**Fiery Hot Folders**

Fiery Hot Folders give you a quick, automated way to send files to a Fiery server using predefined settings. There’s no need to input the same settings for repeat jobs or frequently used layouts. Just drag and drop print files into a Hot Folder and start printing. You can also share Hot Folders with other users on a network.

**Efficient Variable Data Printing**

Fiery FreeForm™ is an efficient variable data printing (VDP) format that’s ideal for mass-customised printing of mixed-media documents like flyers and direct mailers. With FreeForm, fixed images are rastered and variable elements are processed at a later stage. This minimises the processing load on the controller and speeds up the print process. The result is a print driver-based workflow that’s very user-friendly. The MX-PE13 external server also supports other industry-leading VDP formats, such as PPML 3.0, PDF/VT-2, VPS, and VIPP.

**Fiery Graphics Arts Package**

Included with the MX-PE13, the Fiery Graphics Arts Package enables halftone simulation, soft proofing, paper simulation, and CMYK separations. You also have the option of upgrading to the Premium Edition of the package. This further extends the level of colour management, proofing, and workflow control: ImageViewer lets you preview post-RIP raster files and adjust the colour before printing; Preflight and Postflight improve file troubleshooting; and white point editing improves simulated paper whites.

**Outstanding Colour across Applications**

In demanding print environments, accurate and consistent colour is critical. Integrated Fiery colour management tools provide superior colour control out of the box. Transparencies, drop shadows, and other effects are rendered precisely every time.

**Adobe® PDF Print Engine**

The MX-PE13 employs Adobe PDF Print Engine (APPE) rendering technology, which supports a native end-to-end workflow for PDFs. You can process and render PDF documents without converting them to PostScript. During PDF printing, APPE eliminates errors—even errors with transparency effects.

**Integration with Third Party and Other EFI Solutions**

The Fiery open platform also supports industry standards and seamlessly integrates with existing MIS environments, third-party vendors, and other EFI MIS solutions. The MX-PE13 also integrates with web-to-print software for fast, simple VDP job submission.

<table>
<thead>
<tr>
<th></th>
<th>MX-PE13 external server</th>
<th>MX-PE14 embedded server</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>4 GB, 1 TB HDD</td>
<td>2 GB, 500 GB HDD</td>
</tr>
<tr>
<td>Command WorkStation</td>
<td>Operated via MFD touchscreen and remote PC</td>
<td>Operated via remote PC</td>
</tr>
<tr>
<td>VDP Formats</td>
<td>PPML 3.0, PDF/VT-2, VPS, VIPP, Fiery FreeForm</td>
<td>Fiery FreeForm</td>
</tr>
<tr>
<td>Adobe PDF Print Engine</td>
<td>Standard</td>
<td>–</td>
</tr>
<tr>
<td>EFI MIS, Web-to-Print</td>
<td>Standard</td>
<td>–</td>
</tr>
<tr>
<td>Sequential Print</td>
<td>Standard</td>
<td>–</td>
</tr>
<tr>
<td>Graphics Arts Package</td>
<td>Standard</td>
<td>–</td>
</tr>
<tr>
<td>Premium Edition</td>
<td>Option</td>
<td>–</td>
</tr>
</tbody>
</table>
Smooth Operation

15.4-Inch Colour LCD Touchscreen
A large, high-resolution touchscreen provides an easy-to-use graphical interface featuring a clean design, simplified Easy UI mode, and integrated operation guide. Each user can customise the home screen by dragging and dropping icons for commonly used functions. For easy viewing at the desired angle, the control panel can be tilted front to back and side to side, and the panel’s support arm can be rotated. This user-friendly operation panel pushes productivity to the next level.

Quick Recovery from Sleep Mode
To wake the MFD from Sleep mode, just tap the LCD control panel or place a document in the DSPF. There’s no need to press a dedicated button. The MFD will be ready to go.

Full Front Access
Particularly convenient during toner cartridge replacement, an unlikely paper jam, and other operations, full front access to all key machine components ensures easy maintenance—and maximum uptime.

Advanced Preview
The Advanced Preview function shows scanned images on the LCD as thumbnail displays for easy confirmation and editing. It lets you check document finishes and page layout in advance, edit pages easily, and preview documents in various modes.

Direct Printing/Scanning with USB Drives
Insert a USB drive into the MFD and a print/scan command screen will automatically pop up on the LCD. Right away you can print files from the USB drive—which are displayed as thumbnails—or you can scan documents directly to the USB drive.

Job Management
The MX-8090N/7090N features a Job Management screen that allows users to oversee their print jobs and have complete control of them. From here, users can easily view the status of individual jobs, change the order of jobs in the print queue, and quickly retrieve files from the MFD’s hard disk. The Job Management screen also shows the scheduled start time of jobs later in the print queue, so that users can know how long the current job will take.

Paper Setting Registration
The MX-8090N/7090N’s Paper Setting Registration function allows instant recall of pre-registered media profiles. It stores up to 1,000 media profiles that include front-to-back registration settings, data on fusing temperature, and data on the type and weight of paper used. This allows identical, frequently executed jobs to be performed without the need to set the MFD each time, thereby helping to save time and ensure consistency from job to job.

Administrator Machine Adjustments
The MX-8090N/7090N has a machine adjustment menu to enable MFD administrators (i.e., trained print room managers) to access and configure machine set-up for a total of 50 items in three areas: image quality, image position/ratio/area, and peripherals. As there is no need to call for outside service staff when making MFD adjustments, machine downtime is reduced and productivity boosted.

Retractable Keyboard
The optional full-size retractable QWERTY keyboard slides out from beneath the control panel for fast and easy text input.

Status Indicator
The optional Status Indicator provides status alerts, including notice of errors, via green and red LED lights that can easily be seen from a distance.
Link to Cloud Services*
An MX-8090N/7090N doesn’t just connect to your local server. It also connects with cloud services directly from the MFD’s control panel. You can upload scanned data to Google Drive™, OneDrive® for Business, or SharePoint® Online—or print directly from any of them. Using a cloud service like this can save you the time and cost of setting up and managing a server within your company. Once you log in to the MFD, its single sign-on feature allows you to quickly access multiple software services without having to sign in to each one separately. It’s a true time-saver that gets your document jobs finished faster.

* Requires optional MX-AMX2.

Document Management on the Hard Disk
Processed job data can be saved in designated folders on the MX-8090N/7090N’s built-in hard disk for instant recall, printing, or sending at a later time. Data for frequently used template documents can also be saved on the hard disk, enabling quick and easy output for enhanced productivity. The MX-8090N/7090N can also store PostScript print data, so that users get consistent results every time they reprint a selected data file.

Easy Sharing of Application Files
The MX-8090N/7090N’s hard disk enables files created with applications such as Word and Excel to be saved in their original file format and shared across the office network.

Note: Sharp recommends backing up data saved to the MFD’s hard disk.

Sharp OSA* (Open Systems Architecture)
Innovative Sharp OSA technology allows you to interact with critical business and network applications right from the LCD control panel, offering a new realm of control and convenience. And since Sharp OSA utilises industry-standard network protocols, the MX-8090N/7090N can easily integrate with document management systems, enterprise resource planning software, workflow applications, and more. The latest version of Sharp OSA can reach beyond the firewall, enabling extensive system construction as well as services delivered over the Internet such as cloud services. In this way, Sharp OSA provides a foundation for cost reductions and information sharing across the entire company organisation—effectively enhancing total business efficiency.

* Requires optional MX-AMX2 and/or MX-AMX3.

Link with Mail Servers
Scanned data can be conveniently sent via your regular Gmail™ or Microsoft Exchange/Online account. Sending e-mail is as easy as choosing a recipient from your address book on the mail server. Scanned data that you send can be stored on the mail server with other sent items.

Office Direct Printing
Print common Microsoft Office files without using a PC. With a MX-8090N/7090N, you can print a Word, Excel®, or PowerPoint® file directly from a cloud service, USB drive, or file server.

Note: The actual printout may look different from what is displayed on the computer screen. This function is enabled via DirectOffice™ technology.

Convert Documents via OCR
OCR capability on the MX-8090N/7090N lets you convert a scanned document into a searchable PDF file or into an editable Office Open XML (docx, xlsx, pptx) file. This means you can do speedy text searches, even with large-volume documents, and you can easily copy and paste text data into other applications.

Multicrop Function
The Multicrop function automatically creates separate files for multiple different-sized documents—such as receipts and bills—that are scanned simultaneously.
Multi-Layered Security

Document and Data Protection
- **Document Control** prevents unauthorised use of confidential documents by embedding copy prevention data in them.
  
  Note: Requires optional Data Security Kit. May not work with certain types of paper, documents (such as those with a large volume of photos), or MFD settings.
- **Hidden Pattern Copy/Print** embeds a watermark onto a document.
- **Tracking Information Print** prints the MFD user's name, the date, job ID, and other specifics on printouts.
- Job data is automatically **encrypted** before being saved to the MFD's internal storage.
  
  Note: Contact a Sharp customer representative for details on activating this function.
- Retained data can be **initialised** when it's time to replace the MFD, preventing the leakage of confidential information.

Network Security and Access Control
- **S/MIME** provides secure e-mail communications.*
  
  * Only when e-mailing scanned data.
- **SSL** (secure sockets layer) and **IPsec** data encryption technologies ensure secure network communications.
- **User authentication** covering up to 1,000 users prevents unauthorised MFD use by requiring access passwords.
- **Single sign-on** brings easy access to public cloud services and internal network folders by simply logging into the MFD—there's no need to re-enter your IDs and passwords.
- **Active Directory** enables integrated management of user credentials, thereby providing a highly secure and efficient environment for system administrators.

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Office environment

Blocks unauthorised access
User authentication
Active Directory

Prevents eavesdropping, tampering
SSL and IPsec
Encrypted PDF

Prevents e-mail theft, impersonation
S/MIME*

Provides secure storage
Data erasure/encryption

Stops information leaks
Hidden Pattern Copy/Print
Tracking Information Print

System Configuration

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MX-SL10 N
Status Indicator

MX-Tr14*
Exit Tray Unit

MX-MF10**
Multi Bypass Tray

MX-LT10
Long Paper Feeding Tray

MX-LC12
Large Capacity Tray (A4)

MX-LC13 N
Large Capacity Tray (A3)

MX-RB13 N
Paper Pass Unit

MX-PX12
Interface Kit

MX-PE14
Fiery Server

MX-PE13
Fiery Server

MX-RB17
Connection Module

MX-LC13 N
Large Capacity Trays

MX-FN21
Finisher

MX-BF13
Relay Unit

MX-CF11
Inserter

MX-TU14
Exit Tray Cabinet

MX-RB12 N
Paper Pass Unit

MX-RB15
Curl Correction Unit

MX-KB16
Keyboard

MX-PN13A/B/C/D
Punch Module (for MX-FN21/22)

MX-TM10
Trimming Module (for MX-FN22)

MX-PF10
Barcode Font Kit

MX-AMX3
External Account Module

MX-FR58U**
Data Security Kit

MX-AMX1
Application Integration Module

MX-AMX2
Application Communication Module

MX-AMX3
External Account Module

MX-AMX3
Application Integration Module

MX-AMX2
Application Communication Module

*1: Minimum required equipment.
*2: Cannot be used with MX-RB14, MX-LC13 N, or MX-MF11.
*3: Available at a later date.
### Specifications for Options

#### MX-FN21 Finisher

<table>
<thead>
<tr>
<th>Paper size</th>
<th>Non offset</th>
<th>SRA3/A3 wide to 45*5</th>
<th>Custom sizes up to 330 x 488 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offset/staple</td>
<td></td>
<td>A3 to B5*5</td>
<td></td>
</tr>
<tr>
<td>Paper weight</td>
<td>Non-offset / offset staple</td>
<td>60 g/m² to 300 g/m²</td>
<td>60 g/m² to 300 g/m²</td>
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<tr>
<td>Paper capacity</td>
<td>Upper tray</td>
<td>1,500 sheets (up to A4), 750 sheets (up to SRA3)</td>
<td>250 sheets (up to A4), 125 sheets (up to A3), 30 sheets (up to SRA3)</td>
</tr>
<tr>
<td>(80 g/m²)</td>
<td>Middle tray</td>
<td>2,500 sheets (up to A4), 750 sheets (up to SRA3)</td>
<td></td>
</tr>
<tr>
<td>Stapling capacity</td>
<td>Upper tray</td>
<td>100 sheets (A4, B5), 50 sheets (A3, B4, A4)*5</td>
<td></td>
</tr>
<tr>
<td>Staple position</td>
<td></td>
<td>3 locations (front, rear, or 2-point stapling)</td>
<td></td>
</tr>
<tr>
<td>Power consumption</td>
<td>(max.)</td>
<td>200 W, 350 W with MX-FD10</td>
<td></td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>130 V, 10 A</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>With tray stored</td>
<td>767 x 765 x 1,040 mm (W x D x H)</td>
<td>872 x 765 x 1,040 mm (W x D x H)</td>
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<tr>
<td>Weight (approx.)</td>
<td></td>
<td>61 kg</td>
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</tr>
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</table>

#### MX-FN22 Saddle Stitch Finisher

<table>
<thead>
<tr>
<th>Paper size</th>
<th>Non offset</th>
<th>SRA3/A3 wide to 45*5</th>
<th>Custom sizes up to 330 x 488 mm</th>
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</thead>
<tbody>
<tr>
<td>Offset/staple</td>
<td></td>
<td>A3 to B5*5</td>
<td></td>
</tr>
<tr>
<td>Paper weight</td>
<td>Non-offset / offset staple</td>
<td>55 g/m² to 300 g/m²</td>
<td>60 g/m² to 220 g/m²</td>
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<tr>
<td>Paper capacity</td>
<td>Upper tray</td>
<td>1,500 sheets (up to A4), 750 sheets (up to SRA3)</td>
<td>250 sheets (up to A4), 125 sheets (up to A3), 30 sheets (up to SRA3)</td>
</tr>
<tr>
<td>(80 g/m²)</td>
<td>Middle tray</td>
<td>2,500 sheets (up to A4), 750 sheets (up to SRA3)</td>
<td></td>
</tr>
<tr>
<td>Stapling capacity</td>
<td>Upper tray</td>
<td>100 sheets (A4, B5), 50 sheets (A3, B4, A4)*5</td>
<td></td>
</tr>
<tr>
<td>Staple position</td>
<td></td>
<td>3 locations (front, rear, or 2-point stapling)</td>
<td></td>
</tr>
<tr>
<td>Power consumption</td>
<td>(max.)</td>
<td>200 W, 350 W with MX-FD10</td>
<td></td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>130 V, 10 A</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>With tray stored</td>
<td>676 x 765 x 1,040 mm (W x D x H)</td>
<td>896 x 765 x 1,040 mm (W x D x H)</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>108 kg</td>
<td></td>
</tr>
</tbody>
</table>

#### MX-FD10 Folding Unit

<table>
<thead>
<tr>
<th>Folding mode</th>
<th>Z-fold, C-fold, Accordion-fold, Double-fold, Half-fold</th>
<th>Z-/Half-fold*4</th>
<th>A4 to A4*5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper size</td>
<td>Z-/Half-fold*4</td>
<td>30 sheets (up to A3), 10 sheets (A4*4)</td>
<td>40 sheets (A4)</td>
</tr>
<tr>
<td>Paper capacity</td>
<td></td>
<td>55 g/m² to 106 g/m²</td>
<td>35 sheets (A4)</td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>Powered by MX-FN21/FN22 Finisher</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
<td>336 x 770 x 1,050 mm (W x D x H)</td>
<td></td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>56 kg</td>
<td></td>
</tr>
</tbody>
</table>

#### MX-MF11 Inserter

<table>
<thead>
<tr>
<th>Paper size</th>
<th>SRA3/A3 wide to A4*5</th>
<th>Custom sizes up to 330 x 488 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>60 g/m² to 220 g/m²</td>
<td></td>
</tr>
<tr>
<td>Paper capacity</td>
<td>Upper/lower tray</td>
<td>200 sheets/each</td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>Supplied by main unit</td>
</tr>
<tr>
<td>Dimensions</td>
<td>With tray stored</td>
<td>540 x 760 x 1,276 mm (W x D x H)</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>45 kg</td>
</tr>
</tbody>
</table>

#### MX-MF11 Multi Bypass Tray

<table>
<thead>
<tr>
<th>Paper size</th>
<th>SRA3/A3 wide to A5*5</th>
<th>Custom sizes up to 330 x 488 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>55 g/m² to 309 g/m²</td>
<td></td>
</tr>
<tr>
<td>Paper capacity</td>
<td>Upper/lower tray</td>
<td>2,500 sheets/each</td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>900 W</td>
</tr>
<tr>
<td>Dimensions</td>
<td>With tray stored</td>
<td>1,800 x 753 x 986 mm (W x D x H)</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>131 kg</td>
</tr>
</tbody>
</table>

#### MX-MF11 Multi Bypass Tray (for MX-LC13 N)

<table>
<thead>
<tr>
<th>Paper size</th>
<th>SRA3/A3 wide to B5</th>
<th>Custom sizes up to 330 x 488 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>55 g/m² to 309 g/m²</td>
<td></td>
</tr>
<tr>
<td>Paper capacity</td>
<td>Upper/lower tray</td>
<td>100 sheets</td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>Supplied by main unit</td>
</tr>
<tr>
<td>Dimensions</td>
<td>With tray stored</td>
<td>1,800 x 753 x 986 mm (W x D x H)</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>131 kg</td>
</tr>
</tbody>
</table>

#### MX-MF11 Long Paper Feeding Tray

<table>
<thead>
<tr>
<th>Paper size</th>
<th>Width</th>
<th>Length</th>
<th>90 mm to 305 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>499 mm to 1,300 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper capacity</td>
<td>Upper/lower tray</td>
<td>50 sheets</td>
<td></td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>Supplied by MX-LC13 N Large Capacity Trays</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>With tray stored</td>
<td>705 x 556 x 203 mm (W x D x H)</td>
<td>705 x 556 x 203 mm (W x D x H)</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>18 kg</td>
<td></td>
</tr>
</tbody>
</table>

#### MX-MF11 Large Capacity Trays

<table>
<thead>
<tr>
<th>Paper size</th>
<th>SRA3/A3 wide to 85*5</th>
<th>Custom sizes up to 330 x 488 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>55 g/m² to 309 g/m²</td>
<td></td>
</tr>
<tr>
<td>Paper capacity</td>
<td>Upper/lower tray</td>
<td>100 sheets</td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>900 W</td>
</tr>
<tr>
<td>Dimensions</td>
<td>With tray stored</td>
<td>1,800 x 753 x 986 mm (W x D x H)</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>131 kg</td>
</tr>
</tbody>
</table>

#### Punch Modules

<table>
<thead>
<tr>
<th>Model name</th>
<th>For the MX-FN21/22</th>
<th>MX-PN13A</th>
<th>MX-PN13B</th>
<th>MX-PN13C</th>
<th>MX-PN13D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of hole</td>
<td></td>
<td>2</td>
<td>3</td>
<td>4/2</td>
<td>4 (wide)</td>
</tr>
<tr>
<td>Paper weight</td>
<td>55 g/m² to 256 g/m²</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power requirements</td>
<td>Powered by MX-FN21/FN22 Finisher</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### MX-TC10 Trimming Module (for MX-FN22)

<table>
<thead>
<tr>
<th>Paper size</th>
<th>SRA3/A3 wide to 45*5</th>
<th>Custom sizes up to 330 x 488 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>60 g/m² to 300 g/m²</td>
<td></td>
</tr>
<tr>
<td>Acceptable number of sheets</td>
<td></td>
<td>2-20 sheets (60 g/m² to 81.4 g/m²), 10 sheets (more than 81.4 g/m² to 105 g/m²), 10 sheets (more than 105 g/m² to 220 g/m²)</td>
</tr>
<tr>
<td>Trim width</td>
<td>1 mm to 20 mm in 0.1 mm increments</td>
<td></td>
</tr>
<tr>
<td>Power requirements</td>
<td>Powered by MX-FN22 Finisher</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>251 x 625 x 403 mm (W x D x H)</td>
<td></td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>32 kg</td>
<td></td>
</tr>
</tbody>
</table>

#### MX-RB15 Curl Correction Unit

<table>
<thead>
<tr>
<th>Paper size</th>
<th>SRA3/A3 wide to 45*5</th>
<th>Custom sizes up to 330 x 488 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>55 g/m² to 300 g/m²</td>
<td></td>
</tr>
<tr>
<td>Power requirements</td>
<td></td>
<td>Supplied by main unit</td>
</tr>
<tr>
<td>Dimensions</td>
<td>512 x 196 mm (W x D x H)</td>
<td></td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>19 kg</td>
<td></td>
</tr>
</tbody>
</table>

Note: All specifications relating to paper capacity refer to 80 g/m² paper.

*1: Only short-edge feeding can be used with A5 paper.
*2: Only long-edge feeding can be used with B5 paper.
*3: Using 80 g/m² paper, can include back and front covers (total of 2 sheets) of heaviest paper that can be stapled.
*4: Only short-edge feeding can be used with A4 paper.
*5: Can include a single cover sheet of 300 g/m² or less.
*6: Z-fold and half fold pages are ejected from the finisher (MX-FN21/FN22).
*7: Only long-edge feeding can be used with A4 and B5 paper.


### SPECIFICATIONS

#### General
- **Type**: Console
- **Engine speed**:
  - A4*: 23 ppm, Max. 80/70 ppm
  - A3: Max. 45/41 ppm
- **Control panel display**: 15.4-inch colour LCD touchscreen
- **Paper size**: Max. SRA3/A3 wide, min. A5**
- **Paper capacity**:
  - (80 g/m²)
  - Standard: 3,100 sheets** (1,200-sheet tray, 800-sheet tray, 500-sheet tray x 2, and 100-sheet multi-bypass tray)
  - Maximum: 13,500 sheets (3,000 sheets and optional 2 x 2,500-sheet tray x 2 and 500-sheet multi-bypass tray)
- **Paper weight**: Tray & 60 g/m² to 105 g/m²
  - Tray 3&4: 60 g/m² to 220 g/m²
  - Multi-bypass tray (MX-MF10): 55 g/m² to 300 g/m²
  - Multi-bypass tray (MX-FC11): 55 g/m² to 220 g/m²
  - Large capacity tray (MX-LC12, MX-LCX3 N): 60 g/m² to 220 g/m²
- **Warm-up time****: 15.4-inch colour LCD touchscreen
- **Power requirements**: 220 V to 240 V, 8, 50/60 Hz (10 A plug x 2)
- **Dimensions (W x D x H)****: 982 x 768 x 1,530 mm
- **Weight (approx.)**: 224 kg

#### Copier
- **Original paper size**
  - **First copy time****: Max. A3
  - Full colour: 5.1/5.6 sec. B/W: 3.7/4.0 sec.
  - Continuous copy
  - Max. 9,999 copies
- **Resolution**
  - Scan (colour): 600 dpi x 600 dpi
  - Scan (B/W): 600 dpi x 600 dpi, 9,600 (equivalent) x 600 dpi
  - Print (colour): 600 x 600 dpi, 600 x 400 dpi
  - Print (B/W): 1,200 x 1,200 dpi, 600 x 600 dpi
  - Memory: 9,600 (equivalent) x 600 dpi (depending on copy mode)
- **Gradation**: Equivalent to 256 levels
- **Zoom range**: 25% to 400% (25% to 200% using DSPF) in 1% increments
- **Preset copy ratios**
  - Metric: 10 ratios (SR/SE), inch: 8 ratios (4R/4E)

#### Network Scanner
- **Scan method**: Push scan (via control panel)
- **Scan speed****: One-sided: Max. 100 originals/min.
  - Two-sided: Max. 200 originals/min.
- **Resolution**
  - Scan: 1,200 x 1,200 dpi
  - Print: 1,200 x 1,200 dpi, 600 x 600 dpi
  - 50 dpi to 9,600 dpi via user setting**
- **File formats**
  - TIFF, PDF, PDF/A, encrypted PDF, compact PDF**,** JPEG**, XPS, searchable PDF, ODF/ODM (docs, xls, xlsx, pptx).
  - Scan to e-mail/FTP server/network folder (SM/USB drive/HDD)

#### Document Filing
- **Document filing capacity****: Main and custom folders: 35,000 pages or 5,000 files
- **Stored jobs**
  - Copy, print, scan
- **Storage folders**
  - Quick file folder, main folder, custom folder
  - (max. 1,000 folders)
- **Confidential storage**
  - Password protection (for main and custom folders)

#### Network Printer
- **Resolution**: 1,200 x 1,200 dpi, 600 x 600 dpi, 9,600 (equivalent) x 600 dpi
- **Interface**: USB 2.0, 10Base-T/100Base-TX/1000Base-T
- **Supported OS**
  - Mac OS 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13
- **Network protocols**
  - TCP/IP
- **Printing protocols**
  - LPR, Raw TCP (port 5100), POP3 (e-mail printing), HTTP, FTP for downloading print files, IPP, SMB, WSD
- **PDL**
  - PCL 6 emulation, Adobe® PostScript® 3™
- **Available fonts**
  - 80 fonts for PCL, 139 fonts for Adobe PostScript 3

#### Fiery® Print Server (option)
- **Type**
  - MX-PE13: External server
  - MX-PE14: Embedded server
- **System software**
  - MX-PE13: Fiery FS300 Pro
  - MX-PE14: Fiery FS300
- **Operating system**
  - Windows® 10, Linux
  - Intel Celeron® G1820, 2.7 GHz
- **Memory**
  - 4 GB RAM, 1 TB HDD
  - 2 GB RAM, 500 GB HDD
- **Resolution**
  - 1,200 x 1,200 dpi, 600 x 600 dpi (PS, PCL)
- **Supported OS**
- **Network protocols**
  - TCP/IP, LDAP, iPrint thru LPR
- **Printing protocols**
  - LPR, PAP, SMB, port 9100, IPP 1.1, FTP printing, print via e-mail, WSD
- **PDL**
  - Adobe PostScript 3
  - Adobe PPD 3.0
- **Available fonts**
  - 138 fonts for Adobe PostScript 3
- **Power requirements**
  - Max. 0.35 kW
  - Max. 0.18 kW
- **Power consumption**
  - 100 V to 240 V, 50/60 Hz
  - 90 x 272 x 297 mm
  - 6 kg

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