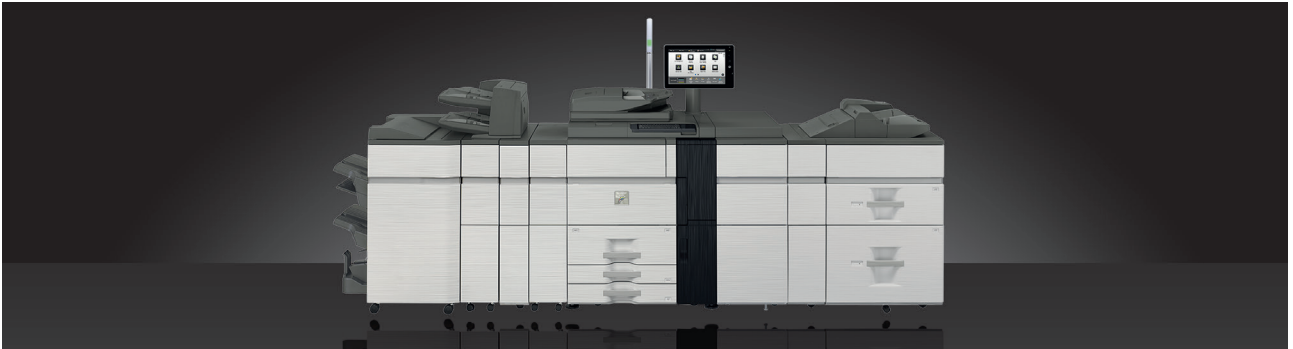**Highly productive light production printing systems**

MX-8090N / MX-7090N

Professional colour printing with outstanding productivity and exceptional print quality.

Robust and versatile light production systems

Outstanding productivity

- Customisable, full colour 15.4" touch screen with multi-touch technology featuring new easy to use intuitive user interface
- Access the optional EFI Fiery Controllers directly from the control panel for complete management of your print workflow
- Replace toner cartridges while the machine is running
- View machine status from a distance with optional status indicator
- Advanced operator access ensures continued up-time

High image quality

- High quality 1,200 x 1,200 dpi printing
- Precise and consistent Pantone colour management via on-board look-up tables or via the optional embedded or external EFI Fiery Controllers
- CIS sensor automatically corrects skew for high precision front-to-back registration

Advanced media handling

- Triple air feed system ensures consistent, reliable feeding
- 60 - 300 g/m² duplex
- 3,100 - 13,500 paper capacity
- Support for coated, uncoated and textured media
- Media catalogue for quick and easy job set up

Keep your data secure

- Encryption and secure erasure of data on the hard disk
- Supports IEEE 802.1X standard for port based network access control
- SSL and IPsec for secure network communications
- IP/MAC address filtering restricts unauthorised access
- Optional Data Security Kit provides further protection of confidential documents with the Document Control function
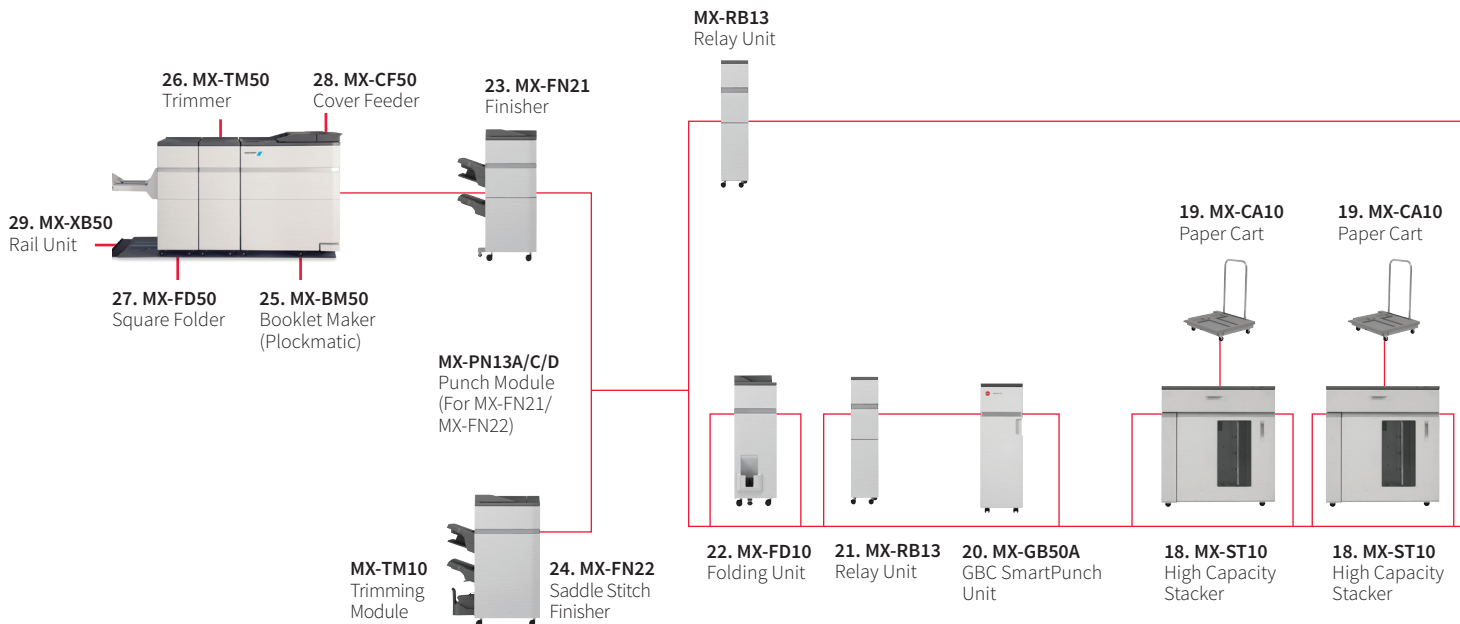- Initialise stored data when it's time to replace the machine

Powerful performance

- Genuine Adobe® PostSript® 3™
- 5 GB memory and 1 TB hard drive
- Support for JPEG (colour only), TIFF, PDF, PDF/A-1b, encrypted PDF and compact PDF file formats

Energy efficient

- Low TEC values
- Variety of energy saving features including Eco Scan and Auto Power Shut Off
- Energy Star certified
- Common platform design lowers overall energy consumption from manufacturing to distribution
- All plastics are named for recycling purposes

SHARP

Be Original.

Configuration and Options

26. MX-TM50 Trimmer   **28. MX-CF50** Cover Feeder   **23. MX-FN21** Finisher

MX-RB13 Relay Unit

29. MX-XB50 Rail Unit

27. MX-FD50 Square Folder   **25. MX-BM50** Booklet Maker (Plockmatic)

MX-PN13A/C/D Punch Module (For MX-FN21/MX-FN22)

MX-TM10 Trimming Module   **24. MX-FN22** Saddle Stitch Finisher

22. MX-FD10 Folding Unit   **21. MX-RB13** Relay Unit   **20. MX-GB50A** GBC SmartPunch Unit   **18. MX-ST10** High Capacity Stacker   **18. MX-ST10** High Capacity Stacker

19. MX-CA10 Paper Cart   **19. MX-CA10** Paper Cart

Base Unit

MX-KB16 Keyboard

1. MX-MF10 Multi Bypass Tray (for main machine)
A5R - A3W (also supports 13" x 19.2"), 100 sheets (80g/m^2)
Cannot be installed with MX-LC13N.

2. MX-LT10 Long Paper Feeding Tray
Recommended for banner printing.

3. MX-LC12 Large Capacity Tray (A4)
A4 - B5, 3,500 sheets (80g/m^2)
Requires MX-MFX1. Cannot be installed with MX-LCX3 N or MX-LC13N.

4. MX-LCX3 N Large Capacity Tray (A3)
A3 - A4R (also supports 13" x 19.2"), 3,000 sheets (80g/m^2)
Requires MX-MFX1. Cannot be installed with MX-LC12 or MX-LC13N.

5. MX-RB14 Paper Pass Unit (between main machine and MX-LC13N)
Must be installed with MX-LC13N.

6. MX-LC13N Large Capacity Tray (2 drawers)
SRA3 - A4R (also supports 13" x 19.2"), 2,500 sheets each (80g/m^2)
Requires MX-RB16. Cannot be installed with MX-LC12 or MX-LCX3 N.

MX-RB17 Connection Module
Required if 2 x MX-LC13N are installed.

7. MX-MF11 Multi Bypass Tray (for MX-LC13N)
SRA3 - A5R (also supports 13" x 19.2"), 500 sheets (80g/m^2)

Multi Bypass Tray

8. MX-SL10 N Status Indicator

9. MX-PE13 Fiery Server
Requires MX-PX13.

10. MX-PX13 Interface Kit
Requires MX-PE13.

11. MX-PE14 Fiery Server (embedded)
Requires MX-PX12.

12. MX-PX12 Interface Kit
Requires MX-PE14.

Finishing

13. MX-TR14 Exit Tray Unit
Cannot be installed with MX-RB14, MX-LC13N and MX-MF11.

14. MX-TU14 Exit Tray Cabinet

15. MX-RB12 N Paper Pass Unit (for main machine)

16. MX-RB15 Curl Correction Unit
Corrects paper curling by putting pressure on the convex/concave curl.
Required if MX-FN21 or MX-FN22 is installed.

17. MX-CF11 Inserter (200-sheet x 2 bin)
SRA3 - A5R, 200 sheets each (80g/m^2).
Requires MX-RB15 and either MX-RB13 or MX-FD10 if connecting to MX-FN21 or MX-FN22.

18. MX-ST10 High Capacity Stacker
SRA3 - A5R
Paper stacking tray: 5,000 sheets (80g/m^2)
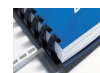Top tray: 250 sheets (80g/m^2)
Requires MX-RB15.

Stacker

19. MX-CA10 Paper Cart
Included with MX-ST10.
For transporting finished documents to another location.

20. MX-GB50A GBC SmartPunch Unit
Paper Size: A4
Paper Weight: 75-216 g/m^2
Requires MX-RB13 and either MX-FN21 or MX-FN22

CombBind®   **WireBind**
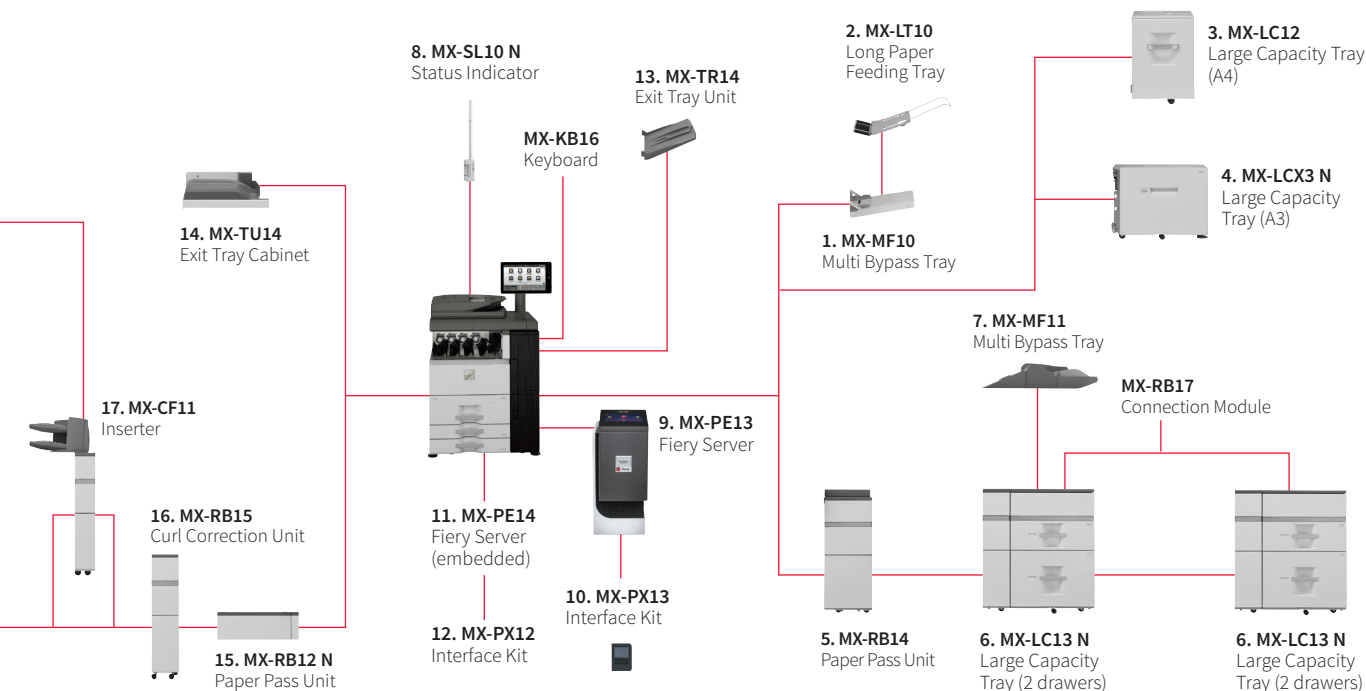**ProClick®**   **Color Coil®**
2 hole   **VeloBind®**

21. MX-RB13 Relay Unit
(between 100-sheet finisher and inserter).
Must be installed if MX-FD10 is not required.
Required if MX-GB50A is installed.

22. MX-FD10 Folding Unit
Folding options include Z, C, accordion, double and half folds.
Can only be installed with MX-FN21 or MX-FN22.

8. MX-SL10 N
Status Indicator

13. MX-TR14
Exit Tray Unit

2. MX-LT10
Long Paper
Feeding Tray

3. MX-LC12
Large Capacity Tray
(A4)

MX-KB16
Keyboard

14. MX-TU14
Exit Tray Cabinet

4. MX-LCX3 N
Large Capacity
Tray (A3)

1. MX-MF10
Multi Bypass Tray

7. MX-MF11
Multi Bypass Tray

17. MX-CF11
Inserter

MX-RB17
Connection Module

16. MX-RB15
Curl Correction Unit

9. MX-PE13
Fiery Server

11. MX-PE14
Fiery Server
(embedded)

15. MX-RB12 N
Paper Pass Unit

10. MX-PX13
Interface Kit

12. MX-PX12
Interface Kit

5. MX-RB14
Paper Pass Unit

6. MX-LC13 N
Large Capacity
Tray (2 drawers)

6. MX-LC13 N
Large Capacity
Tray (2 drawers)

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23. MX-FN21 Finisher (4k - 100-sheet staple)

A3 - B5 (offset/staple), SRA3 - A5R (non offset)

Requires MX-RB15. Cannot be installed with MX-FN22.

24. MX-FN22 Saddle Stitch Finisher (4k - 100-sheet staple)

A4, A3, SRA3

Paper size: 206 x 275 mm (Min) to 320 x 457.2 mm (Max)

Paper Weight: 64-300 g/m2

Capacity: 1-20 sheets* (stapled and folded)

MX-PN13A/C/D Punch Module (for MX-FN21 or MX-FN22)

A: 2 hole punch, C: 2/4 hole punch, D: 4 hole wide punch

MX-TM10 Trimming Module (for MX-FN22)

Up to 20 mm trim width, 1,500 sheets (80 g/m^2)

25. MX-BM50 Booklet Maker (Plockmatic)

A4, A3, SRA3

Requires MX-FN21and MX-XB50.

26. MX-TM50 Trimmer (for Plockmatic)

A4, A3, SRA3

Paper size: 206 x 275 mm (Min) to 320 x 457.2 mm (Max)

Paper Weight: 64-300 g/m2

Capacity: 1-30 sheets* (stapled and folded)

Requires MX-BM50 & MX-XB50.

27. MX-FD50 Square Folder (for Plockmatic)

A4, A3, SRA3

Paper size: 206 x 275 mm (Min) to 320 x 457.2 mm (Max)

Paper Weight: 64-300 g/m2

Capacity: 1-30 sheets* (stapled and folded)

Requires MX-BM50, MX-TM50 & MX-XB50.

Finisher

28. MX-CF50 Cover Feeder (for Plockmatic)

Paper Weight: 70-250 g/m^2

Capacity: 20mm (approx. 200 sheets of 80g/m^2 paper)

Requires MX-BM50.

29. MX-XB50 Rail Unit

Requires MX-BM50.

Connectivity

Printing

MX-PF10 Barcode Font Kit

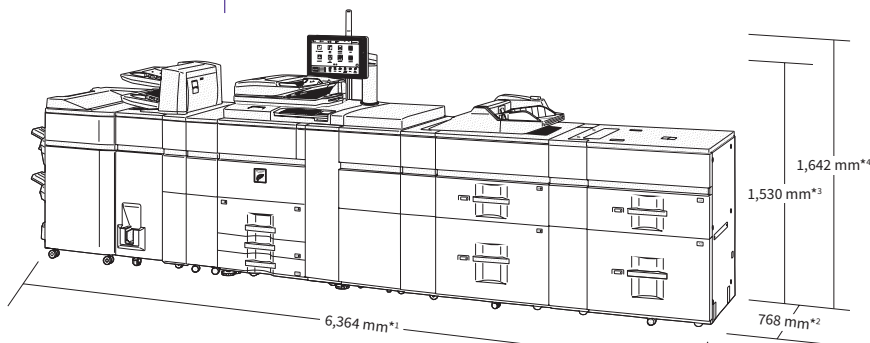Enables barcode printing

Scanning

AR-SU1 Stamp Unit

Marks already scanned documents for checking.

Sharp OSA®

MX-AMX1 Application Integration Module

Security

MX-FR58U Data Security Kit (non CC version)

**Booklet maker
with rail unit**

1,642 mm*4

1,530 mm*3

6,364 mm*1

768 mm*2

*1: 6,491 mm when finisher tray is extended
*2: 812 mm when keyboard is pulled out
*3: Base unit
*4: Including status indicator

Shown with options.

* A4 or smaller, 80 g/m^2.

Specifications

General

A4*¹ Engine speed (ppm) (Plain / Coated) (Max)	MX-7090N	MX-8090N
52 – 105 g/m²	70 / 70	80 / 80
106 – 220 g/m²	38 / 38	38 / 38
221 – 300 g/m²	30 / 30	30 / 30

A3 Engine speed (ppm) (Plain / Coated) (Max)	MX-7090N	MX-8090N
52 – 105 g/m²	41 / 41	45 / 45
106 – 220 g/m²	23 / 23	23 / 23
221 – 300 g/m²	18 / 18	18 / 18

SRA3 Engine speed (ppm) (Plain / Coated) (Max)	MX-7090N	MX-8090N
52 – 105 g/m²	39 / 39	43 / 43
106 – 220 g/m²	22 / 22	22 / 22
221 – 300 g/m²	17 / 17	17 / 17

Paper weight (g/m²) (Min – Max)	
Drawer 1 & 2	60 – 105
Drawer 3 & 4	60 – 220
MX-MF10	55 – 300
MX-MF11	55 – 220
MX-LC12	60 – 220
MX-LCX3 N	60 – 220
MX-LC13N	55 – 300

Paper size*² (Min – Max)	
Drawer 1 & 2	A4
Drawer 3	B5R – A3W
Drawer 4	A5R – A3W
MX-MF10/MX-MF11	A5R – SRA3 (also supports 13" x 19.2")
MX-LC12	B5 – A4
MX-LCX3 N	B5 – SRzA3 (also supports 13" x 19.2")
MX-LC13N	B5 – SRA3 (also supports 13" x 19.2")

Paper input capacity (Min – Max)	
A4	3,100 – 13,500
A3	1,000 – 11,500
SRA3	100 – 10,500

Paper output capacity (Min – Max)	
A4 / A3 / SRA3	250 – 13,500

Warm-up time*³ (seconds)	90
Duplex	Std

Memory	
Copier/Printer (shared)	5 GB
HDD*⁴	1 TB

Power requirements	220 to 240V/8A, 50/60Hz (10A plug x 2)
Power consumption (kW) (Max)	3.84
Dimensions*⁵ (mm) (W x D x H)	982 x 768 x 1,530
Weight (kg)	223.8

Copier

Original paper size (Max)	A3	
First copy time*⁶ (seconds)	Colour	B/W
MX-8090N	5.1	3.7
MX-7090N	5.6	4.0

Continuous copies (Max)	9,999

Resolution (dpi)	
Print (Colour)	600 x 600, 9600 (equivalent) x 600
Print (B/W)	1200 x 1200, 600 x 600, 9600 (equivalent) x 600

Gradation levels	256
Zoom range (%)	25 – 400 (25 – 200 using DSPF) in 1% increments
Preset copy ratios	10 (5R/5E)

Network Printer

Resolution (dpi)	600 x 600, 1200 x 1200, 9,600 (equivalent) x 600
Interface	USB2.0, 10Base-T / 100Base-TX / 1000Base-T
Supported OS	Windows Server® 2008/2008R2/2012, 2012R2, 2016, Windows® 7, Windows® 8.1, Windows ® 10 Mac OS X 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13
Network protocols	TCP/IP (IPv4 & IPv6)
Printing protocols	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP, FTP for downloading print files, IPP
PDL	PCL6, Genuine Adobe® PostScript® 3™

Available fonts	
PCL	80
Genuine Adobe® PostScript® 3™	139

EFI Fiery Controller (optional MX-PE13 & MX-PE14)

Resolution (dpi)	1200 x 1200, 600 x 600 (PS)
Interface	Gigabit Ethernet On Board
Supported OS	Windows 7(32/64bit), 8 (32/64bit), 8.1 (32/64bit), 10 (32,64bit), Server 2008 R2 (64bit), Server 2012 (64bit), Server 2012 R2 (64bit), Server 2016 Mac OS X 10.9, 10.10, 10.11, 10.12 (Mac printer driver 5.0 and FEA 4.4 and later) (on Intel-based Mac OS computers)
Network protocols	TCP/IP, LDAP, iPrint through LPR
Printing protocols	LPD (TCP/IP network , LPR protocol) PAP: (Supported for font downloading) SMB: (Windows network over TCP/IP), Port9100, IPP1.1 FTP Printing: (from an FTP client to the Fiery Server) Print via E-mail: Sends jobs over e-mail for printing. WSD (Web Services for Devices): Supported by Windows 7 or later.

Colour Network Scanner

Scan method	Push scan (via operation panel) Pull scan (TWAIN-compliant application)

Resolution (dpi)	
Push scan	100, 150, 200, 300, 400, 600
Pull scan	75, 100, 150, 200, 300, 400, 600 50 - 9,600 via user setting*⁷

File formats	TIFF, PDF, PDF/A, encrypted PDF, compact PDF*⁸, JPEG*⁸, XPS, searchable PDF, OOXML (docx, xlsx, pptx), text (TXT [UTF-8]), rich text (RTF)
Scan destinations	Scan to e-mail, FTP server, network folder (SMB), USB memory, HDD
Scanner utilities	Sharpdesk

Document Filing

Document filing capacity (pages/or files)	
Main folder & Custom Folder	35,000*⁹ or 5,000
Quick file folder	10,000*⁹ or 1,000

Stored jobs	Copy, print, scan
Storage folders	Quick folder, main folder, custom folder (max.1,000)
Confidential storage	Password protection

www.sharp.co.uk

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