

## Future-proof the way you work



smart business partner

### Unified Cloud Connection

You only need to sign in once to connect to multiple cloud services, such as Microsoft Teams, from the MFD. Applications can also be easily downloaded from the cloud. Updates are clearly displayed, so you're always using the latest version of services.

### Solid Security

The BP-70M45 has multiple levels of security to keep the device—and your precious data—secure. When booting up, the MFD checks for any anomalies in the BIOS firmware. If it finds a problem, it aborts the startup. If there are other firmware-related issues, the MFD will attempt recovery to protect the system. You can also install optional software to prevent attacks on devices connected to the MFD.

### Link Mobile Devices

Mobile devices installed with the Sharpdesk Mobile application can connect directly to the MFD for printing or downloading scanned data. The MFD can also be equipped with AirPrint and the Sharp Print Service Plugin. It's a smoother way to get the job done.

### Wireless LAN Connection

The BP-70M45 works with the 5 GHz band. This ensures minimal radio interference and stable high-speed communications. The MFD also supports Wi-Fi Protected Setup™. This makes it easy to connect the MFD to a secure wireless LAN without having to enter an SSID and security key.

### All the Needed Finishing Options

The BP-70M45 meets all common office needs with a variety of finishing options. Its folding unit handles various types of folds without taking up much space—it attaches to the MFD's paper output section. You get seamless output from printing to finishing.

\*Originals per minute; when feeding A4 sheets.

### 10.1-Inch Full-Flat Touchscreen

With a variety of functions accessible via simple, intuitive icons, MFD operation is smooth and easy.

### On-Screen System Information

The control panel shows the state of your MFD, displaying current operation and notifications for things like paper, toner, and maintenance.

### High-Performance DSPF

The DSPF (duplex single pass feeder) scans both pages of two-sided documents in one pass—in batches of up to 300 sheets. With scanning speeds of up to 280 opm\* (two-sided), the MFD is quick to finish even large jobs. A dedicated business card feeder on the DSPF scans batches of up to 150 cards.

### Smart Scanning

Simply tap the Auto Set button and the MFD will automatically determine the optimal resolution, gradation, and compression rate for your scan jobs. It also automatically reorients pages right side up and corrects any skewed sheets.

### Eco-Friendly Design

Despite its many functions, this MFD achieves superb energy efficiency. For example, the use of low-temperature-fusing toner results in vastly reduced energy consumption for the MFD.

### Remote Firmware Updates

The BP-70M45's firmware can be remotely updated—without the need for service operation—via a firmware update service. That way you're always using the latest system for your MFD.

# PROFESSIONAL-QUALITY IN-LINE FINISHING OPTIONS

A range of finishing options work to automate time-consuming finishing tasks. Options are available to suit a variety of workplaces and applications.

Features	BP-FD10 Folding Unit	BP-FN11 Finisher	BP-FN14 Saddle Stitch Finisher	BP-FN14 Saddle Stitch Finisher + BP-FD10 Folding Unit	BP-FN16 Saddle Stitch Finisher	BP-FN16 Saddle Stitch Finisher + BP-FD10 Folding Unit
	Stapling		✓	✓	✓	✓
Stapleless stapling		✓			✓	✓
Manual stapling		✓			✓	✓
Punching*1		✓	✓	✓	✓	✓
Saddle folding			✓	✓	✓	✓
Saddle stitching			✓	✓	✓	✓
Half-folding	✓			✓		✓
Z-folding	✓			✓		✓
Z-folding + Stapling						✓
C-folding	✓			✓		✓
Accordion folding	✓			✓		✓

Paper capacity*2	Finisher trays*3	BP-FD10 Folding Unit	BP-FN11 Finisher	BP-FN14 Saddle Stitch Finisher	BP-FN14 Saddle Stitch Finisher + BP-FD10 Folding Unit	BP-FN16 Saddle Stitch Finisher	BP-FN16 Saddle Stitch Finisher + BP-FD10 Folding Unit
Finisher trays*3	-		500 sheets	1,250 sheets	1,250 sheets	3,250 sheets	3,250 sheets
Folding unit tray	200 sheets	200 sheets	-	-	100 sheets	-	100 sheets

\*1: Requires optional punch module. \*2: A4, 80 g/m<sup>2</sup>. \*3: Max. paper capacity of the finisher including the top tray.

### Stapling

Rear corner    Front corner    2-point side

### Punching

2-hole punching    3-hole punching    4-hole punching    4-hole wide punching

### Stapleless Stapling

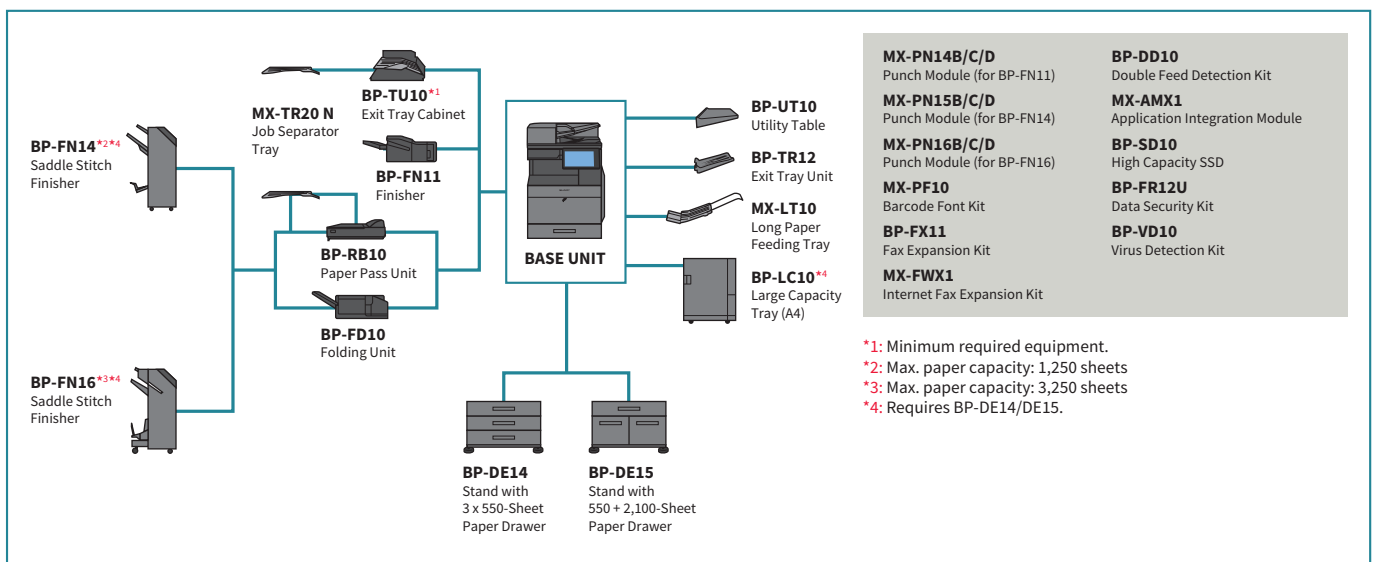
### Saddle Folding/Stitching

Saddle fold    Saddle stitch

### Folding

Half-fold    Z-fold    C-fold    Accordion fold

## SYSTEM CONFIGURATION



# SPECIFICATIONS FOR OPTIONAL EQUIPMENT

## MX-TR20 N Job Separator Tray

Paper size	SRA3 to A6* <sup>1</sup>
Paper capacity	100 sheets

## BP-TR12 Exit Tray Unit

Paper size	SRA3 to A6* <sup>1</sup>
Paper capacity	120 sheets

## BP-FN11 Finisher

Paper size	Non offset	SRA3 to A6* <sup>1</sup>
	Offset/staple	A3 to B5* <sup>2</sup>
	Stapleless staple	A3 to B5* <sup>3</sup>
Paper capacity	Non offset	500 sheets (A4, B5, A5) 250 sheets (SRA3, A3W, SRA4, A3, B4, A6* <sup>1</sup> )
	Offset	500 sheets (A4, B5* <sup>2</sup> ), 250 sheets (A3, B4)
	Staple	30 sets or 500 sheets (A4, B5* <sup>2</sup> ) 30 sets or 250 sheets (A3, B4)
	Stapleless staple	30 sets
	Stapling capacity	Staple
Staple position	Stapleless staple	10 sheets* <sup>4</sup> (A4* <sup>2</sup> , B5* <sup>2</sup> ), 5 sheets* <sup>5</sup> (A3, B4)
	Manual staple	Total paper thickness 4 mm or less (40 sheets)
	Staple mode	3 locations (front, rear, or 2-point stapling)
Staple position	Stapleless staple mode	1 location (rear)
	Manual staple mode	1 location

## BP-FN14 Saddle Stitch Finisher

Paper size	Non offset	SRA3 to A6* <sup>1</sup>
	Offset	A3W to A5
	Staple	A3W to B5
Paper capacity	Finisher tray (Non offset)	1,000 sheets (A4* <sup>2</sup> ) 500 sheets (SRA3, A3W, SRA4, A3, B4, A4* <sup>1</sup> , B5, A5, A6* <sup>1</sup> )
	(Offset)	1,000 sheets (A4* <sup>2</sup> ) 500 sheets (A3W, A3, B4, A4* <sup>1</sup> , B5, A5)
	(Staple)	100 sets or 1,000 sheets (A4* <sup>2</sup> ) 50 sets or 500 sheets (A3W, A3, B4, A4* <sup>1</sup> , B5)
	Top tray	250 sheets (A4, B5, A5, A6* <sup>1</sup> ) 50 sheets (SRA3, A3W, SRA4, A3, B4)
	Saddle stitch tray	7 sets of 11–15 sheets, 10 sets of 6–10 sheets, 20 sets of 1–5 sheets
	Stapling capacity	50 sheets (A4, B5), 30 sheets (A3W, A3, B4)
	Staple position	3 locations (front, rear, or 2-point stapling)

## BP-FN16 Saddle Stitch Finisher

Paper size	Non offset	SRA3 to A6* <sup>1</sup>
	Offset/staple	A3 to B5* <sup>2</sup>
	Stapleless staple	A3, A4* <sup>2</sup>
Paper capacity	Finisher tray (Non offset)	3,000 sheets (A4* <sup>2</sup> , B5* <sup>2</sup> ) 1,500 sheets (SRA3, A3W, SRA4, A3, B4, A4* <sup>1</sup> , B5* <sup>1</sup> , A5) 750 sheets (A6* <sup>1</sup> )
	(Offset)	3,000 sheets (A4* <sup>2</sup> , B5* <sup>2</sup> ) 1,500 sheets (A3, B4, A4* <sup>1</sup> )
	(Staple)	200 sets or 3,000 sheets (A4* <sup>2</sup> , B5* <sup>2</sup> ) 100 sets or 1,500 sheets (A3, B4, A4* <sup>1</sup> )
	(Stapleless staple)	200 sets (A4* <sup>2</sup> ), 100 sets (A3)
	Top tray	250 sheets (A4* <sup>2</sup> , B5* <sup>2</sup> , A5) 125 sheets (SRA3, A3W, SRA4, A3, B4, A4* <sup>1</sup> , B5* <sup>1</sup> )
	Saddle stitch tray	10 sets of 11–20 sheets, 15 sets of 6–10 sheets, 25 sets of 1–5 sheets
	Stapling capacity	Staple
Staple position	Stapleless staple	10 sheets* <sup>4</sup> (A4* <sup>2</sup> ), 5 sheets* <sup>5</sup> (A3)
	Manual staple	Total paper thickness 9 mm or less (65 sheets)
	Staple mode	3 locations (front, rear, or 2-point stapling)
Staple position	Stapleless staple mode	1 location (rear)
	Manual staple mode	1 location

## Punch Modules

Model name	For BP-FN11	<b>MX-PN14B</b> * <sup>6</sup>	<b>MX-PN14C</b> * <sup>7</sup>	<b>MX-PN14D</b>
	For BP-FN14	<b>MX-PN15B</b> * <sup>6</sup>	<b>MX-PN15C</b> * <sup>7</sup>	<b>MX-PN15D</b>
	For BP-FN16	<b>MX-PN16B</b> * <sup>6</sup>	<b>MX-PN16C</b> * <sup>7</sup>	<b>MX-PN16D</b>
Number of holes		3	2 or 4	4 (wide)
Paper weight		55 to 256 g/m <sup>2</sup> * <sup>8</sup>		

## BP-FD10 Folding Unit

Folding mode	Z-fold, C-fold, Accordion-fold, Half-fold		
Paper size	Z-/Half-fold	A3, B4, A4* <sup>1</sup>	
	C-/Accordion-fold	A3, A4* <sup>1</sup>	
Paper capacity	Not folded	200 sheets	
	Folded	20 sheets* <sup>9</sup>	

## BP-DE14 Stand with 3 x 550-Sheet Paper Drawer

Paper size	Upper/middle/lower tray	SRA3 to A5* <sup>1</sup>
Paper capacity	Upper/middle/lower tray	550 sheets each

## BP-DE15 Stand with 550 + 2,100-Sheet Paper Drawer

Paper size	Upper tray	SRA3 to A5* <sup>1</sup>
	Lower right tray	A4* <sup>2</sup> , B5* <sup>2</sup>
	Lower left tray	A4* <sup>2</sup>
Paper capacity	Upper tray	550 sheets
	Lower right tray	900 sheets
	Lower left tray	1,200 sheets

## BP-LC10 Large Capacity Tray

Paper size	A4* <sup>2</sup> , B5* <sup>2</sup>
Paper capacity	3,000 sheets

## MX-LT10 Long Paper Feeding Tray

Paper size	Width	90 to 320 mm
	Length	458 to 1,300 mm
Paper capacity	1 sheet	

Note: All specifications relating to paper capacity refer to 80 g/m<sup>2</sup> paper.

\*1: Short-edge feeding. \*2: Long-edge feeding. \*3: Long-edge feeding for A4 and B5 paper. \*4: Guaranteed stapleable weight is up to 64 g/m<sup>2</sup> (8 sheets up to 81.4 g/m<sup>2</sup> and 6 sheets up to 105 g/m<sup>2</sup>). \*5: Guaranteed stapleable weight is up to 64 g/m<sup>2</sup> (4 sheets up to 81.4 g/m<sup>2</sup> and 3 sheets up to 105 g/m<sup>2</sup>). \*6: Accepts North American paper sizes. \*7: Accepts ISO-standard paper sizes. \*8: Guaranteed punchable weight is 60 to 128 g/m<sup>2</sup>. \*9: When used with a finisher, 30 Z- or half-folded sheets (A3 and B4). These sheets are ejected from the finisher.

## SPECIFICATIONS

### General

Type	Desktop
Engine speed	A4 <sup>*1</sup> : Max. 45 ppm A3: Max. 21 ppm A3W: Max. 19 ppm
Control panel display	10.1-inch colour LCD touchscreen
Paper size	Max. A3W, min. A6 <sup>*2</sup>
Paper capacity (80 g/m <sup>2</sup> )	Standard: 650 sheets (550-sheet tray and 100-sheet bypass tray) Maximum: 6,300 sheets (650 sheets & optional 550 + 2,100-sheet tray and 3,000-sheet tray)
Paper weight	Tray: 60 g/m <sup>2</sup> to 300 g/m <sup>2</sup> Bypass tray: 55 g/m <sup>2</sup> to 300 g/m <sup>2</sup> 14 sec. <sup>*4</sup>
Warm-up time <sup>*3</sup>	
Memory	Standard: 5 GB (copy/print shared)    256 GB SSD <sup>*5</sup> Option: 512 GB <sup>*5*6</sup>
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption	Max. 1.84 kW (220 V to 240 V)
Dimensions (W x D x H) <sup>*7</sup>	609 x 662 x 860 mm
Weight (approx.)	71 kg

### Copier

Original paper size	Max. A3
First copy time <sup>*8</sup>	4.5 sec.
Continuous copy	Max. 9,999 copies
Resolution	Scan: 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi <sup>*9</sup> Print: 1,200 x 1,200 dpi, 600 x 600 dpi, 9,600 (equivalent) x 600 dpi (depending on copy mode) Equivalent to 256 levels
Gradation	Equivalent to 256 levels
Zoom range	25% to 400% (25% to 200% using DSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)

### Scanner

Scan method	Push scan (via control panel) Pull scan (TWAIN-compliant application)
Scan speed <sup>*10</sup> (colour & B/W)	One-sided: Max. 140 originals/min. Two-sided: Max. 280 originals/min.
Resolution	Push scan: 100, 150, 200, 300, 400, 600 dpi Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi 50 dpi to 9,600 dpi via user setting <sup>*11</sup>
File formats	TIFF, PDF, PDF/A-1a, PDF/A-1b, encrypted PDF, XPS, compact PDF <sup>*12</sup> , JPEG <sup>*12</sup> , searchable PDF, OOXML (pptx, xlsx, docx), text (TXT [UTF-8]), rich text (RTF)
Scan destinations	Email/desktop <sup>*13</sup> /FTP server/network folder (SMB)/USB drive/local drive

- \*1: Long-edge feeding.
- \*2: Only short-edge feeding can be used with A6 paper.
- \*3: In a standard measurement environment. May vary depending on operating conditions and environment.
- \*4: When starting the MFD via the power button. 25 seconds when starting via the main power switch.
- \*5: Storage capacity depends on procurement and sourcing status.
- \*6: Replacing the standard-equipped SSD with the optional BP-SD10 increases storage capacity to 512 GB.
- \*7: Including protuberances.
- \*8: Long-edge feeding of A4 sheets from 1st paper tray, using document glass, MFD in fully ready condition. May vary depending on operating conditions and environment.
- \*9: Not available when using document glass.
- \*10: Based on Sharp's A4 standard chart, using document feeder, long-edge feeding, and factory default settings. Scan speed will vary depending on the type of document and the scan settings.
- \*11: Resolution will vary depending on the size of the scanned area.
- \*12: Colour/greyscale only.
- \*13: Requires Network Scanner Tool Lite.
- \*14: Storage capacity will vary depending on the type of document and the scan settings.
- \*15: Some features require optional equipment.
- \*16: Based on Sharp's standard chart with approx. 700 characters (A4 long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

### Document Filing

Document filing capacity <sup>*14</sup>	Main and custom folders: 20,000 pages or 3,000 files Quick file folder: 10,000 pages or 1,000 files
Stored jobs <sup>*15</sup>	Copy, print, scan, fax
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)

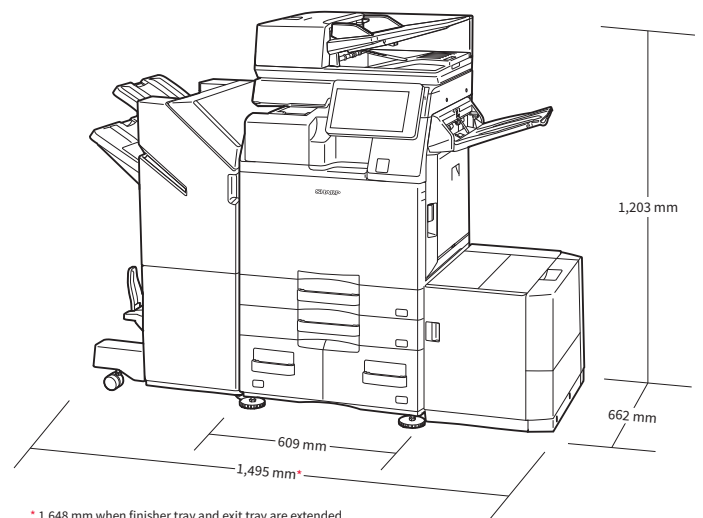
### Printer

Resolution	1,200 x 1,200 dpi, 600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0 (host, high-speed), USB 3.0 (host, super speed), 10Base-T/100Base-TX/1000Base-T, wireless LAN (IEEE 802.11 a/b/g/n/ac)
Supported OS	Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019, Windows Server 2022, Windows 8.1, Windows 10, Windows 11, Mac OS 10.10, 10.11, 10.12, 10.13, 10.14, 10.15, 11, 12, 13
Network protocols	TCP/IP
Printing protocols	LPR, Raw TCP (port 9100), POP3 (email printing), HTTP, FTP for downloading print files, IPP, IPP Everywhere, SMB, WSD
PDL	PCL 6 emulation, Adobe PostScript 3
Available fonts	80 fonts for PCL, 139 fonts for Adobe PostScript 3

### Facsimile (requires optional BP-FX11)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds <sup>*16</sup>
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Ultra Fine (406.4 x 391 dpi)
Recording size	A3 to A5
Memory	4 GB (built-in)
Greyscale levels	Equivalent to 256 levels

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