

# Be Original.



Digital Multifunctional System



# The smart way to get more done



# smart business partner

# **High Productivity**

The MFP delivers a fast output of 90 ppm\*1. And if toner runs out during a print job, the MFP continues printing your documents while you change the toner cartridge. Your productivity won't miss a beat.

# **All the Needed Finishing Options**

Finishing options are available for all your common needs—there's an inserter, a folding unit, two types of saddle stitch finisher, and a trimming module. These let you easily create professional-looking direct mail, handouts, booklets, brochures, and more.

# **Unified Cloud Connection\*2**

You only need to sign in once to connect to multiple cloud services, such as Microsoft Teams, from the MFP. 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 MFP has multiple levels of security to keep the device—and your precious data—secure. When booting up, the MFP 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 MFP will attempt recovery to protect the system. You can also install optional software to prevent attacks on devices connected to the MFP.

# **Link Mobile Devices**

Mobile devices installed with the Sharpdesk Mobile application\*<sup>3</sup> can connect directly to the MFP for printing or downloading scanned data. The MFP can also be equipped with AirPrint and the Sharp Print Service Plugin. It's a smoother way to get the job done.

# 10.1-Inch Full-Flat Touchscreen

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

# **On-Screen System Information**

The control panel shows the state of your MFP, 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\*4 (two-sided), the MFP 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 MFP 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 MFP achieves superb energy efficiency. For example, the use of low-temperature-fusing toner results in vastly reduced energy consumption for the MFP.

# **Remote Firmware Updates**

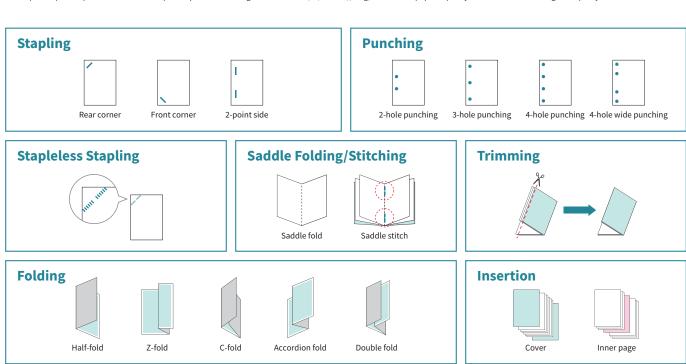
The MFP's firmware can be remotely updated—without the need for service operation—via a firmware update service. That way you're always using the latest system for your MFP.

# PROFESSIONAL-QUALITY IN-LINE FINISHING OPTIONS

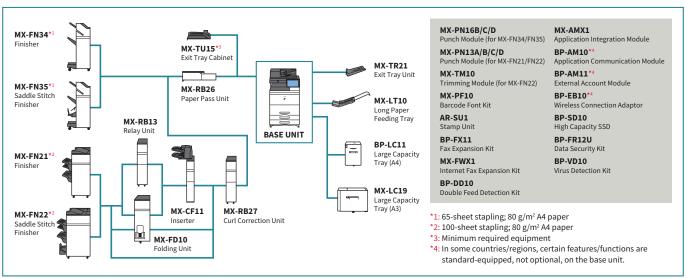
A range of finishing options work to automate time-consuming finishing tasks. Options are available to suit a variety of workplaces and applications.

		MX-FN34 Finisher	MX-FN35 Saddle Stitch Finisher	MX-FN21 Finisher	MX-FN21 Finisher	MX-FN22 Saddle Stitch Finisher	MX-FN22 Saddle Stitch Finisher
					+		+
					MX-FD10 Folding Unit		MX-FD10 Folding Unit
Features	Stapling	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
. cacares	Stapleless stapling		√	•	•	•	·
	Manual stapling	<b>✓</b>	<b>√</b>				
	Punching*1	<b>√</b>	✓	✓	✓	✓	✓
	Saddle folding		✓			✓	✓
	Saddle stitching		✓			✓	✓
	Half-folding				✓		✓
	Z-folding				✓		✓
	C-folding				✓		✓
	Accordion folding				✓		✓
	Double folding				✓		✓
	Trimming*2					✓	✓
Paper capacity*3	Finisher trays*4	3,250 sheets	3,250 sheets	4,250 sheets	4,250 sheets	4,250 sheets	4,250 sheets

<sup>\*1:</sup> Requires optional punch module. \*2: Requires optional trimming module. \*3: A4 (8 ½ " x 11"), 80 g/m². \*4: Max. paper capacity of the finisher including the top tray.



# SYSTEM CONFIGURATION



# SPECIFICATIONS FOR OPTIONAL EQUIPMENT

# **MX-TR21** Exit Tray Unit

Paper size	A3W to A6*1 (12" x 18" to 5 1/2" x 8 1/2"*2)		
Paper weight	55 to 256 g/m² (13 lbs bond to 140 lbs index)		
Paper capacity	100 sheets		

#### **MX-FN34 Finisher**

Paper size	Non offset	A3W to A5*3 (12" x 18" to 5 1/2" x 8 1/2" *2)
	Offset/staple	A3 to B5*4 (11" x 17" to 8 1/2" x 11")
	Stapleless staple	A3, A4*4 (11" x 17", 8 1/2" x 11"*4)
Paper weight	Non offset/offset/staple	55 to 300 g/m² (13 lbs bond to 110 lbs cover)
	Stapleless staple	55 to 105 g/m² (13 lbs bond to 28 lbs bond)
Paper capacity	Finisher tray (Non offset)	3,000 sheets (A4*4, B5*4)
		1,500 sheets (A3W, A3, B4, A4*3, B5*3, A5*3)
	(Offset)	3,000 sheets (A4*4, B5*4)
		1,500 sheets (A3, B4, A4*3)
	(Staple)	200 sets or 3,000 sheets (A4*4, B5*4)
		100 sets or 1,500 sheets (A3, B4, A4*3)
	(Stapleless staple)	200 sets (A4*4), 100 sets (A3)
	Top tray	250 sheets (A4*4, B5*4, A5*3)
		125 sheets (A3W, A3, B4, A4*3, B5*3)
Stapling capacity*5	Staple	65 sheets (A4*4, B5*4), 30 sheets (A3, B4, A4*3)
	Stapleless staple	5 sheets*6 (A3, A4*4)
	Manual staple	Total paper thickness 9 mm or less (65 sheets)
Staple position	Staple mode	3 locations (front, rear, or 2-point stapling)
	Stapleless staple mode	1 location (rear)
	Manual staple mode	1 location
Power requireme	ents	Supplied by main unit
Dimensions	With tray stored	533 x 653 x 1,103 mm (W x D x H)
	With tray extended	635 x 653 x 1,167 mm (W x D x H)
Weight (approx.)		33 kg

# **MX-FN35 Saddle Stitch Finisher**

Paper size	Non offset	A3W to A5*3 (12" x 18" to 5 1/2" x 8 1/2"*2)
	Offset/staple	A3 to B5*4 (11" x 17" to 8 1/2" x 11")
	Stapleless staple	A3, A4*4 (11" x 17", 8 1/2" x 11"*4)
Paper weight	Non offset/offset/staple	55 to 300 g/m² (13 lbs bond to 110 lbs cover)
	Stapleless staple	55 to 105 g/m² (13 lbs bond to 28 lbs bond)
	Saddle stitch	60 to 256 g/m² (16 lbs bond to 140 lbs index)
	Folding	55 to 256 g/m² (13 lbs bond to 140 lbs index)
Paper capacity	Finisher tray (Non offset)	3,000 sheets (A4*4, B5*4)
		1,500 sheets (A3W, A3, B4, A4*3, B5*3, A5*3)
	(Offset)	3,000 sheets (A4*4, B5*4)
		1,500 sheets (A3, B4, A4*3)
	(Staple)	200 sets or 3,000 sheets (A4*4, B5*4)
		100 sets or 1,500 sheets (A3, B4, A4*3)
	(Stapleless staple)	200 sets (A4*4), 100 sets (A3)
	Top tray	250 sheets (A4*4, B5*4, A5*3)
		125 sheets (A3W, A3, B4, A4*3, B5*3)
	Saddle stitch tray	10 sets of 11–20 sheets, 15 sets of 6–10 sheets,
		25 sets of 1–5 sheets
Stapling capacity*5	Staple	65 sheets (A4*4, B5*4), 30 sheets (A3, B4, A4*3)
	Stapleless staple	5 sheets*6 (A3, A4*4)
	Manual staple	Total paper thickness 9 mm or less (65 sheets)
Staple position	Staple mode	3 locations (front, rear, or 2-point stapling)
	Stapleless staple mode	1 location (rear)
	Manual staple mode	1 location
Power requireme	ents	Supplied by main unit
Dimensions	With tray stored	533 x 653 x 1,103 mm (W x D x H)
	With tray extended	635 x 653 x 1,167 mm (W x D x H)
Weight (approx.)		57 kg

# MX-FN21 Finisher

MV-LIATT LII	iisiiei	
Paper size	Non offset	A3W to A5*3 (12" x 18" to 5 1/2" x 8 1/2"*2)
	Offset/staple	A3 to B5*4 (11" x 17" to 8 1/2" x 11")
Paper weight	Non offset/offset	55 to 300 g/m² (13 lbs bond to 110 lbs cover)
	Staple	60 to 300 g/m <sup>2</sup> (16 lbs bond to 110 lbs cover)
Paper capacity	Upper tray (Non offset)	1,500 sheets (A4*4, B5*4, A5*3)
		750 sheets (A3W, A3, B4, A4*3, B5*3)
	(Staple)	100 sets or 1,500 sheets (A4*4, B5*4)
		50 sets or 750 sheets (A3, B4, A4*3)
	Lower tray (Non offset)	2,500 sheets (A4*4, B5*4), 1,500 sheets (A5*3)
		750 sheets (A3W, A3, B4, A4*3, B5*3)
(Offset) (Staple) Middle tray (Non offset)		1,500 sheets (A4*4, B5*4)
		750 sheets (A3, B4, A4*3)
		100 sets (A4*4, B5*4), 50 sets (A3, B4, A4*3)
		250 sheets (A4*4, B5*4, A5*3)
		125 sheets (A3W, A3, B4, A4*3, B5*3)
Stapling capacit	y*5	100 sheets (A4*4, B5*4), 50 sheets (A3, B4, A4*3)
Staple position Power consumption (max.) Power requirements		3 locations (front, rear, or 2-point stapling)
		200 W, 350 W with MX-FD10
		AC 230 V, 10 A
Dimensions	With tray stored	654 x 765 x 1,040 mm (W x D x H)
	With tray extended	782 x 765 x 1,040 mm (W x D x H)
Weight (approx.	)	61 kg

Note: All specifications relating to paper capacity refer to  $80\ g/m^2$  paper.

\*1: Short-edge feeding for A5 and A6 paper. \*2: Short-edge feeding for  $7^1/s^n \times 10^1/z^n$  and  $5^1/z^n \times 8^1/z^n$  paper. \*3: Short-edge feeding. \*4: Long-edge feeding. \*5: Using 80 g/m² paper, can include back and front covers (total of 2 sheets) of heaviest paper that can be stapled. \*6: Guaranteed stapleable weight is up to 64 g/m² (4 sheets up to  $81.4 \text{ g/m}^2$  and 3 sheets up to  $105 \text{ g/m}^2$ ). \*7: Can include a single cover sheet of  $300 \text{ g/m}^2$  or less. \*8: Accepts North American paper sizes. \*9: Accepts ISO-standard paper sizes. \*10: Z-fold and half-fold pages are ejected from the finisher (MX-FN21/FN22).

### **MX-FN22 Saddle Stitch Finisher**

MIN-FINZZ Sal	uute Stitcii Fiilisilei			
Paper size	Non offset	A3W to A5*3 (12" x 18" to 5 1/2" x 8 1/2"*2)		
	Offset/staple	A3 to B5*4 (11" x 17" to 8 1/2" x 11")		
Paper weight	Non offset/offset	55 to 300 g/m² (13 lbs bond to 110 lbs cover)		
	Staple/saddle stitch/folding	60 to 300 g/m <sup>2</sup> (16 lbs bond to 110 lbs cover)		
Paper capacity	Upper tray (Non offset)	1,500 sheets (A4*4, B5*4, A5*3)		
		750 sheets (A3W, A3, B4, A4*3, B5*3)		
	(Staple)	100 sets or 1,500 sheets (A4*4, B5*4)		
		50 sets or 750 sheets (A3, B4, A4*3)		
	Lower tray (Non offset)	2,500 sheets (A4*4, B5*4), 1,500 sheets (A5*3)		
		750 sheets (A3W, A3, B4, A4*3, B5*3)		
	(Offset)	1,500 sheets (A4*4, B5*4)		
		750 sheets (A3, B4, A4*3)		
(Staple)		100 sets (A4*4, B5*4), 50 sets (A3, B4, A4*3)		
	Middle tray (Non offset)	250 sheets (A4*4, B5*4, A5*3)		
		125 sheets (A3W, A3, B4, A4*3, B5*3)		
	Saddle stitch tray	5 sets of 16–20 sheets, 10 sets of 11–15 sheets,		
		15 sets of 6–10 sheets, 25 sets of 1–5 sheets		
Stapling capacit	y*5	100 sheets (A4*4, B5*4), 50 sheets (A3, B4, A4*3)		
Staple position		3 locations (front, rear, or 2-point stapling)		
Power consump	tion (max.)	200 W, 350 W with MX-FD10		
Power requirements		AC 230 V, 10 A		
Dimensions	With tray stored	767 x 765 x 1,040 mm (W x D x H)		
	With tray extended	896 x 765 x 1,040 mm (W x D x H)		
Weight (approx.)		108 kg		

#### MX-TM10 Trimming Module (for MX-FN22)

	•
Paper size	A3W to A4*3 (12"x 18" to 8 1/2" x 11"*3)
Paper weight	60 to 300 g/m² (16 lbs bond to 110 lbs cover)
Acceptable number of sheets*7	2 to 20 sheets (60 to 81.4 g/m²)
	2 to 10 sheets (81.4 to 105 g/m²)
	2 to 3 sheets (105 to 220 g/m²)
Trim width	2 to 20 mm in 0.1 mm increments
Power requirements	Supplied by MX-FN22
Weight (approx.)	32 kg

### **Punch Modules**

Model name	For MX-FN21/FN22	MX-PN13A	MX-PN13B*8	MX-PN13C*9	MX-PN13D
	For MX-FN34/FN35	-	MX-PN16B*8	MX-PN16C*9	MX-PN16D
Number of holes		2	3/2	4/2	4 (wide)
Paper weight	MX-PN13A/B/C/D	55 to 256 g/m	1 <sup>2</sup>		
	MX-PN16B/C/D	55 to 300 g/m	1 <sup>2</sup>		
Power requirements		Supplied by MX-FN21/FN22/FN34/FN35			
Weight (approx.) MX-PN13A/B/C/D		3.7 kg			
	MX-PN16B/C/D	2.5 kg			

## MX-FD10 Folding Unit

Folding mode		Z-fold, C-fold, Accordion-fold, Double-fold, Half-fold	
Paper size	Z-fold	A3 to A4*3 (11" x 17" to 8 1/2" x 11"*4)	
	Half-/C-/Accordion-/Double-fold	A4*3 (8 1/2" x 11"*3)	
Paper weight		55 to 105 g/m² (13 lbs bond to 28 lbs bond)	
Paper capacity	Z-fold*10	30 sheets (A3, B4), 10 sheets (A4*3)	
	Half-fold*10	10 sheets (A4*3)	
	C-/Accordion-fold	40 sheets (A4*3)	
	Double-fold	25 sheets (A4*3)	
Power requirem	ents	Supplied by MX-FN21/FN22	
Dimensions		336 x 793 x 1,050 mm (W x D x H)	
Weight (approx.	)	66 kg	

### **MX-RB27 Curl Correction Unit**

Paper size	A3W to A5*3 (12" x 18" to 5 1/2" x 8 1/2"*2)
Paper weight	55 to 300 g/m² (13 lbs bond to 110 lbs cover)
Power requirements	Supplied by main unit
Dimensions	214 x 762 x 986 mm (W x D x H)
Weight (approx.)	19 kg

### **MX-CF11** Inserter

	Paper size		A3W to A5*3 (12" x 18" to 5 1/2" x 8 1/2"*2)	
Paper weight			60 to 220 g/m <sup>2</sup> (16 lbs bond to 80 lbs cover)	
Paper capacity Upper/lower tray		Upper/lower tray	200 sheets/each	
	Power requireme	ents	Supplied by main unit	
	Dimensions	With tray stored	540 x 760 x 1,276 mm (W x D x H)	
		With tray extended	690 x 760 x 1,276 mm (W x D x H)	
	Weight (approx.)		45 kg	

## **BP-LC11** Large Capacity Tray (A4)

Paper size	A4*4, 8 1/2" x 11"*4
Paper weight	60 to 220 g/m² (16 lbs bond to 80 lbs cover)
Paper capacity	3,500 sheets
Power requirements	Supplied by main unit
Dimensions	371 x 575 x 525 mm (W x D x H)
Weight (approx.)	28 kg

### **MX-LC19** Large Capacity Tray (A3)

Paper size	A3W to B5*4 (12" x 18" to 8 1/2" x 11")
Paper weight	60 to 220 g/m <sup>2</sup> (16 lbs bond to 80 lbs cover)
Paper capacity	3,000 sheets
Power requirements	Supplied by main unit
Dimensions	694 x 589 x 519 mm (W x D x H)
Weight (approx.)	50 kg

## MX-LT10 Long Paper Feeding Tray

Paper size	Width	90 to 305 mm
	Length	458 to 1,300 mm
Paper capacity		1 sheet
Dimensions	With tray stored	338 x 195 x 107 mm (W x D x H)
	With tray extended	581 x 195 x 130 mm (W x D x H)
Weight (approx.)		0.8 kg

### **SPECIFICATIONS**

### General

A4 (8 1/2" x 11")\*1: Max. 90 ppm **Engine speed** 

A3 (11" x 17"): Max. 44 ppm A3W (12" x 18"): Max. 42 ppm

Control panel display 10.1-inch colour LCD touchscreen

Max. A3W (12" x 18"), min. A6 (5  $^{1}/_{2}$ " x 8  $^{1}/_{2}$ ")\*2 Paper size

Paper capacity Standard: 3.200 sheets

(80 g/m<sup>2</sup>) (1,250-sheet tray, 850-sheet tray, 500-sheet tray x 2, and

100-sheet bypass tray) Maximum: 6,700 sheets

(3,200 sheets & optional 3,500-sheet tray)

Paper weight Tray 1&2: 60 g/m<sup>2</sup> to 105 g/m<sup>2</sup> (16 lbs bond to 28 lbs bond) Tray 3&4: 60 g/m<sup>2</sup> to 220 g/m<sup>2</sup> (16 lbs bond to 80 lbs cover)

Bypass tray: 55 g/m<sup>2</sup> to 300 g/m<sup>2</sup>

(13 lbs bond to 110 lbs cover)

Warm-up time\*3 35 sec.\*4

Standard: 5 GB (copy/print shared) 256 GB SSD\*5 Memory

Option: 512 GB\*

Rated local AC voltage ±10%, 50/60 Hz Power requirements

Max. 2.07 kW (220 V to 240 V) Power consumption

Dimensions (W x D x H)\*7 663 x 763 x 1,240 mm (26  $^{7}/_{64}$ " x 30  $^{3}/_{64}$ " x 48  $^{53}/_{64}$ ")

Weight (approx.) 163 kg (359.4 lbs)

### Copier

Original paper size Max. A3 (11" x 17") First copy time\* 3.1 sec. Continuous copy Max. 9,999 copies

Resolution Scan: 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi\*9

Print: 1,200 x 1,200 dpi, 600 x 600 dpi,

9,600 (equivalent) x 600 dpi (depending on copy mode)

Gradation Equivalent to 256 levels

Zoom range  $^{\cdot\cdot}$  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\*10 One-sided: Max. 140 originals/min. (colour & B/W) 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\*11

TIFF, PDF, PDF/A-1a, PDF/A-1b, encrypted PDF, XPS, File formats compact PDF\*12, JPEG\*12, searchable PDF, OOXML

(pptx, xlsx, docx), text (TXT [UTF-8]), rich text (RTF) Email/desktop\*13/FTP server/network folder (SMB)/

USB drive/local drive

Scan destinations

- 1: Long-edge feeding.
   2: Only short-edge feeding can be used with A6 and 5 1/2" x 8 1/2" paper. A6-size paper
- output requires optional MX-TR21.
  In a standard measurement environment. May vary depending on operating conditions and environment.
- When starting the MFP via the power button. 48 seconds when starting via the main power switch.
- Storage capacity depends on procurement and sourcing status
- Replacing the standard-equipped SSD with the optional BP-SD10 increases storage capacity to 512 GB. \*6:
- Including protuberances. Long-edge feeding of A4 (8  $^1$ /2" x 11") sheets from 1st paper tray, using document glass, MFP in fully ready condition. May vary depending on operating conditions and
- 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: In some countries/regions, the optional BP-EB10 is required. Availability of this option varies by country/region. \*17: Based on Sharp's standard chart with approx. 700 characters (A4 or 8  $^1\!/_2$  " x 11" long-edge
- feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

### Document Filing

Document filing Main and custom folders: 20,000 pages or 3,000 files Quick file folder: 10,000 pages or 1,000 files capacity\*14

Stored jobs\*15 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)\*10

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

**Network protocols** TCP/IP

LPR, Raw TCP (port 9100), POP3 (email printing), HTTP, Printing protocols

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 Less than 3 seconds\*17 Transmission time

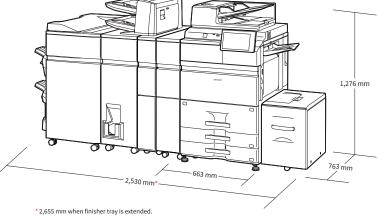
33,600 bps to 2,400 bps with automatic fallback Modem speed

From Standard (203.2 x 97.8 dpi) to Transmission resolution Ultra Fine (406.4 x 391 dpi)

Recording size A3 to A5 (11" x 17" to 5  $^{1}/_{2}$ " x 8  $^{1}/_{2}$ ") Memory 4 GB (built-in)

**Greyscale levels** Equivalent to 256 levels

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