High resolution document output

High speed job processing

Hole punching

Booklet creation

Professionally finished output

Stapling

Tri-folding

Email

Fax

PC folders

Scan to almost anywhere

PowerPoint

Document management

USB drives

Advanced device and document security

User friendly operation

MURATEC'S NEW MFX-SERIES

# Document solutions GEARED to fit your needs.

Copy | Print | Fax | Scan | Network

USB Print / Scan | Easy | Security | Duplex | Fast

BUSINESS-CLASS DOCUMENT SOLUTIONS

muratec

MK3251

·com

# MFX-series benefits

## Environmentally responsible

- Exclusive toner formulation uses biomass plant-based materials to reduce environmental impact.
- Paper fuses at lower temperatures to dramatically reduce power consumption, without compromising on quality.
- Optimize Power Consumption mode automatically sets correct on/off/standby status for workdays, weekends and holidays.
- Eco-indicator on control panel enables you to monitor paper, toner and energy usage by user.
- Print/copy preview modes enable you to print a proof copy prior to printing the full job.
- Extensive use of recycled materials have been incorporated into the products.

## Dynamic document capture

- Optional duplexing automatic document feeder (DADF) captures color and monochrome documents at up to 160 images-per-minute.*
- Optional reversing automatic document feeder (RADF) captures color and monochrome documents at up to 80 images-per-minute.
- Quickly scan to email, FTP, SMB and TWAIN.
- Optional scan to PowerPoint™, PDF/A and User Box for added functionality and convenience.
- Preview scanned documents on the control panel before completing the job.
- Blank page removal reduces the scanning file size by automatically eliminating blank pages during scanning.

Muratec's new MFX-series is a family of products designed with business productivity in mind. Built on an award-winning multifunction platform, these devices deliver superior document output, dynamic document scanning and delivery, distribution-ready output, touch and swipe usability, government grade security solutions and more.

## Touch and swipe usability

- 9" color touchscreen mirrors the intuitive "touch and swipe" feel of a mobile device.
- Users can reposition and/or delete icons on the screen to create a truly custom experience.
- Control panel tilts (23° to 55°) to increase device accessibility.
- Optional voice guidance system provides audible assistance with machine functions.
- Proximity sensor on the control panel will "wake-up" the machine from sleep mode if it detects motion.

## Powerful printing

- Full color printing at 22 (MFX-C2280N), 28 (MFX-C2880N), 36 (MFX-C3680N) 45 (MFX-C4580N) and 55 (MFX-C5580N) pages-per-minute.
- Crisp monochrome printing at 36 (MFX-3680N) and 45 (MFX-4580N) pages-per-minute.
- Print 11"x17" full bleed originals on 12"x18" paper to preserve margins and crop marks.
- Standard PCL6 and PostScript 3.
- Optional stapling, offset stacking, hole punching and job separator trays.
- Optional tri-folding, a first in this class, to create professional booklets.
- Optional tab printing creates section dividers for binders.

*Standard on MFX-C4580N, MFX-C5580N and MFX-4580N

# Touch and swipe usability

The MFX-series was designed to revolutionize the way users interact with their office equipment. It starts with the 9" color touchscreen, which mimics the "touch and swipe" interface found on today's mobile devices. Features such as pop-up menus, scrolling function keys and fully customizable user screens deliver the most intuitive, user-friendly experience on the market.

Pop-up screens provide access to advanced features without leaving the primary menu screen.

Smart menus provide instant access to frequently used features.

Touch, scroll and swipe your way through job programming and execution, just as you would on your mobile device.

Full access to the email addresses, fax contacts and scanning locations you frequently access.

Scan documents in TIFF, JPEG, PDF, PDF/A, Compact PDF, XPS and PowerPoint™.

Adjustable control panel provides device access to all office workers.

# Document and device security

Demand for protecting both devices and documents is rising. These devices are up to the challenge with features to help control machine access, protect network integrity and encrypt documents before sending.

Document and device security features include:

- Secure print, which requires device authentication before releasing a print job from memory.
- Customized user authentication for printing, scanning, faxing and user boxes.
- Encrypted PDF workflow protects information as it passes from the PC to the network.
- IP filtering restricts access to the device based on an IP address authentication list.
- SSL/TLS encryption protects data during an exchange with an LDAP server.
- S/MIME encryption to safeguard email exchanges.
- Audit Log/Image Log tracks usage and controls access.
- Biometric authentication unit and HID authentication tool kit can provide additional layers of authentication without compromising user efficiency.

Optional proximity card reader

Optional mount authentication devices

Biometric authentication unit

# Deliver distribution-ready output

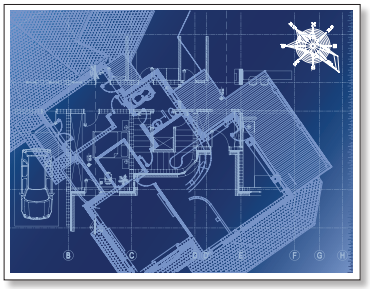
The MFX-series is the ideal solution for producing professional-looking reports, presentations, case files, newsletters, bulletins, flyers, marketing and training materials. Produce documents securely in-house to better control costs, resources and confidentiality.

| Paper Tray | Min – Max Size | Min – Max Weight |
|---|---|---|
| Multipurpose bypass tray | 4" x 6" – 12" x 18" | 16 lb. bond – 100 lb. cover |
| Paper cassette 1 | 5.5" x 8.5" – 11" x 17" | 14 lb. bond – 140 lb. index |
| Paper cassette 2 | 5.5" x 8.5" – 11" x 17" | 14 lb. bond – 140 lb. index |
| Paper cassette 3 (Optional) | 5.5" x 8.5" – 11" x 17" | 14 lb. bond – 140 lb. index |
| Paper cassette 4 (Optional) | 5.5" x 8.5" – 11" x 17" | 14 lb. bond – 140 lb. index |
| Large capacity cassette (Optional) | 8.5" x 11" | 14 lb. bond – 140 lb. index |

**11.25" x 47.25" – Banner**
Color banners help draw attention to a special event.

Applications include:

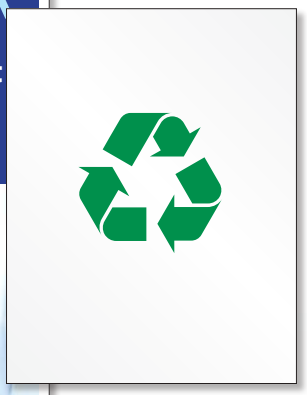
- Trade show signage
- Party store profit center (Birthday banners)
- Event announcements



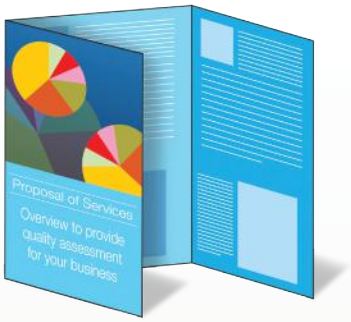
**Waterproof paper**
Waterproof paper is designed for harsh applications and climates.

Applications include:

- Real estate collateral
- Outdoor bulletins
- Construction site collateral
- Maps / signs
- Menus



**Recycled paper**
Delivers exceptional output results when using recycled papers featuring 30%, 50% and 100% post consumer recycled content.




**Tri-fold brochures**
Create pre-folded pamphlets and brochures (up to three sheets).

**Booklets**
If the optional floor finisher and saddle stitcher have been installed, users can create distribution-ready booklets. This is the perfect application for manuals, company brochures, financial reports, in-house publications, event guides and more.

**8.5" x 14" – Legal**

**Specialty paper**
Speciality paper can enhance the perception and uniqueness of a document.

Applications include:

- Cover letters / resumes
- Menus / wine lists
- Special recognition / awards

# How can the new MFX-series help your office work smarter?

Your business is transforming. Your role, expanding and evolving. Doing more with less isn't just a passing trend, it's the new normal. Despite these challenges, companies must maintain exceptional customer service levels, meet project deadlines and process information into systems that conform to new regulations and guidelines. While we can't address all of your business challenges, a multifunction printer (MFP) upgrade from Muratec can assist your office in capturing, managing and distributing information more efficiently, enabling you to thrive in the new normal.

## 1 Convert paper documents into smart digital files

Utilize Muratec's MFX-series devices to quickly turn your paper documents into electronic files that can be emailed, stored in a PC folder, faxed or transferred to a cloud-based storage and/or workflow system. Scan directly into traditional file formats such as PDF, TIFF and JPEG, as well as new formats such as PowerPoint™.

## 2 Gain control of your document costs

These devices can help your office lower the costs associated with capturing, managing and printing documents. We start with high-yield, cost-effective imaging supplies to reduce replacement frequency and lower your ongoing printing costs. Standard features, such as duplex printing, reduced fusing requirements, EcoMode, biomass toner and multi-up printing, help reduce paper, toner and energy consumption to lessen both environmental impact and operating costs.

## 3 MFPs that grow with technology and your business

There's nothing more frustrating than investing in technology, only to see it become obsolete as your business needs change. These devices were designed to meet the business challenges of today, as well as tomorrow. Thinking about deploying mobile devices such as smartphones and tablets throughout your business? With wireless connectivity options, you can print in mobile environments. Moving more workflow and PC management (terminal services) to the cloud? Our MFPs are ready to support a variety of terminal services and cloud-based workflow applications.

## 4 Enables everyone to work smarter

Technology can help transform your document workflow processes, but only if users can easily access and utilize the solution. These devices feature an adjustable 9" color touchscreen and optional voice guidance system that quickly guides users through job execution and device programming, while providing each user with custom mode screens that offer instant access to the features and contacts they need most often. Optional finishing solutions enable you to automatically sort, staple, hole punch and even fold documents for quick and easy distribution.

# MFX-series specifications

| | MFX-C5580N | MFX-C4580N | MFX-C3680N | MFX-C2880N | MFX-C2280N | MFX-4580N | MFX-3680N |
|---|---|---|---|---|---|---|---|
| **GENERAL SPECIFICATIONS** | | | | | | | |
| **Type / Toner System / Print Method** | Full-Color Printer / Copier / Color Scanner with Stationary Platen / HD Toner with Biomass / Tandem Process | | | | | B&W Printer / Copier / Color Scanner with Stationary Platen / HD Toner with Biomass / Tandem Process | |
| **Print / Copy Speed (Letter, Portrait)*** | Full Color and B&W: 55 ppm | Full Color and B&W: 45 ppm | Full Color and B&W: 36 ppm | Full Color and B&W: 28 ppm | Full Color and B&W: 22 ppm | B&W: 45 ppm | B&W: 36 ppm |
| **Duplexing Automatic Document Feeder (C3680DADF)** | **Standard:** Full Color / B&W Duplex Speed: 160 opm, Full Color / B&W Simplex Speed: 80 opm, Paper Capacity: 100 Sheets, Paper Size: 5.5" x 8.5" to 11" x 17" | | **Optional:** Full Color / B&W Duplex Speed: 160 opm, Full Color / B&W Simplex Speed: 80 opm, Paper Capacity: 100 Sheets, Paper Size: 5.5" x 8.5" to 11" x 17" | | | **Standard** | **Optional** |
| **Reversing Automatic Document Feeder (C3680RADF)** | N/A | | **Optional:** Full Color / B&W Duplex Speed: 37 opm, Full Color / B&W Simplex Speed: 80 opm, Full Color / B&W Simplex Speed: 80 opm, Paper Capacity: 100 Sheets, Paper Size: 5.5" x 8.5" to 11" x 17" | | | N/A | **Optional** |
| **Power Requirements / Consumption** | 120V 12A (60 Hz) / 1500W or less | | | | | | |
| **TEC Value*** | 3.68 KWh | 2.84 KWh | 2.43 KWh | 1.83 KWh | 1.63 KWh | N/A | N/A |
| **Dimensions (H x W x D) / Weight** | 36.3" x 24.2" x 27" / 220.5 lbs. | | 31" x 24.2" x 27" / 185.18 lbs | | | 36.3" x 24.2" x 27" / 205 lbs.. | 36.3" x 24.2" x 27" /168.7 lbs.. |
| **COPY SPECIFICATIONS** | | | | | | | |
| **Warm-up Time / First Copy Time*** | 22 seconds / Color: 4.6 seconds, B&W: 4.1 seconds | 22 seconds / Color: 7.7 seconds, B&W: 5.9 seconds | 20 seconds / Color: 6.9 seconds, B&W: 5.3 seconds | 18 seconds / Color: 7.7 seconds, B&W: 5.3 seconds | 18 seconds / Color: 8.3 seconds, B&W: 6.9 seconds | 22 seconds, B&W: 4.6 seconds | 20 seconds, B&W: 5.3 seconds |
| **Copy Resolution / Quantity** | 600 x 600 dpi / 1-9,999 | | | | | | |
| **Magnification** | Zoom range: 25% - 400%, 0.1% increments, Preset reduction: 78.5%, 73.3%, 64.7%, 50.0%, Preset enlargement: 121.4%, 129.4%, 154.5%, 200% | | | | | | |
| **Copy Exposure Modes** | Text (legible text), Text / Photo (clear text and halftones), Photo (optimized for gradations), Map (fine edges and legible text), Dot Matrix (dot matrix or pencil originals), Copied Paper | | | | | | |
| **PRINT SPECIFICATIONS** | | | | | | | |
| **Processor / Memory / Hard Disk Drive*** | 1.0 GHz (MPC8536) 2GB/250GB (Shared w/copier) | | 800 MHz (MPC8536) 2GB/250GB (Shared w/copier) | | | 1.0 GHz (MPC8536) 2GB/250GB (Shared w/copier) | 800 MHz (MPC8536) 2GB/250GB (Shared w/copier) |
| **Print Resolution / Grayscale** | Gradations 600 x 600 dpi (1800 dpi equivalent x 600 dpi) or 1200 x 1200 dpi / 256 shades per pixel | | | | | | |
| **Page Description Language / Fonts** | PCL5e/c, PCL6 (XL v.3.0) Emulation, PS3 (v.3016) Emulation, XPS v. 1.0 (XML Paper Specification) / PCL: 80 Roman fonts, PostScript 3 Emulation: 137 Roman fonts | | | | | | |
| **Operating System Compatibility** | Windows XP Home (SP1), Windows XP Professional (x32, x64), Windows Vista (x32, x64), Windows 7 (x32, x64), Windows Server 2003 Standard / Enterprise (x32, x64), Windows Server 2003 Standard / Enterprise R2 (x32, x64), Windows Server 2008 Standard / Enterprise (x32, x64), Window Server 2008 Standard / Enterprise R2; Mac (PS-PPD): OS 9.2 or later; OS X 10.2 or later; OS X 10.5 (Intel) or later / Linux: Red Hat | | | | | | |
| **Interface** | 10 Base-T / 100 Base-TX / 1000 Base-T, USB 1.1, USB 2.0, USB Host | | | | | | |
| **Network Protocols** | TCP / IP (IPv4/IPv6), BOOTP, ARP, ICMP, DHCP, DHCP v6, AutoIP, SLP, SNMP, FTP, LPR / LPD, RAW Socket, SMB, IPP, HTTP, POP, SMTP, LDAP, NTP, SSL, IPX, AppleTalk, Bonjour, NetBEUI, WebDAV, DPWS, S / MIME, IPSec, DNS, DynamicDNS, LLMNR, LLTD, SSDP, SOAP | | | | | | |
| **COPY / PRINT FUNCTIONS** | | | | | | | |
| **Features** | Account Track (1,000 accounts), Administration Mode, Auto Duplex, Auto Tray Switching, Bi-Directional Communication, Black Over Print, Card Shot, Color Modes & Functions (Auto Color / Full Color, Black & White Mode, Single Color Mode, 2-Color Mode, Color Adjustments, Copy Guard), Copy Modes (Simplex / Duplex, 2-in-1, 4-in-1, 8-in-1, Book, Booklet, Booklet + Bind), Cover Mode, Creative Functions (Mirror Image, XY Zoom, Image Center, Base Color, Neg. / Pos. Reverse, Image Repeat), Encrypted Network Password Printing, Enlarge Display, Erase (Border, Frame, Edge) Mode, Finishing (Group, Sort, Staple, Punch, Half-Fold, Tri-Fold, Center Staple and Fold), Form Overlay, Glossy Mode, HDD Encryption, HDD Job Overwrite, HDD Sanitizing, Image Adjustments (Color Matching, Pure Black Auto ON / OFF, Color Balance, Screen Settings, Image Smoothing ON/OFF | | | | | | |
| **SCAN SPECIFICATIONS** | | | | | | | |
| **Scan Resolutions** | 200 dpi, 300 dpi, 400 dpi, 600 dpi | | | | | | |
| **Scan File Formats / Color Modes** | TIFF, PDF, Compact PDF, JPEG, XPS, Compact XPS, PPTX / Auto Color, Full Color, Black & White, 2-Color, Single Color | | | | | | |
| **Scan Functions** | Scan-to-Email, Scan-to-FTP, Scan-to-HDD (Scan-to-User Box), Scan-to-Me / Scan-to-Home, Scan-to-SMB (Scan-to-Desktop), Scan-to-USB, Scan-to-WebDAV, Distributed Scan Management, Network TWAIN, WS-Scan, Color Internet Fax | | | | | | |
| **FAX SPECIFICATIONS (OPTIONAL - C3680FAX)** | | | | | | | |
| **Compatibility / Compression** | Super G3 compatibility, 33.6 Kbps modem speed / MH, MR, MMR, JBIG data compression | | | | | | |
| **Fax Transmission Speed / Fax Memory** | Less than 3 seconds per page (JBIG, standard resolution) / 2 GB (shared print, copy, scan, fax memory) | | | | | | |
| **Fax Line Mode / Fax Exposure Mode** | PSTN, PBX, G3 / Text, Text / Photo, Photo, Dot Matrix | | | | | | |
| **Fax Functions** | Autodialing (2,000 addresses), Auto Memory Reception, Auto Reduction Printing, Broadcasting (maximum 600 locations), Bulletin Board, Duplex Transmission / Reception, F-Code Support, Group Dialing (up to 500 addresses per group / up to 100 groups), Mailbox Transmission/Reception, Memory / Quick Dial, Overseas Transmission, Password Transmission / Reception, PC-Fax, IP Address Fax, Polling Transmission / Reception | | | | | | |
| **PAPER HANDLING** | | | | | | | |
| **Original Size** | Up to 11" x 17" (scanning / copying), Up to 11" x 17" full bleed on 12" x 18" paper (printing) | | | | | | |
| **Standard Paper Capacity** | Tray 1: 500-sheet (universal cassette) / 5.5" x 8.5" to 11" x 17" / 14 lb. bond to 140 lb. index, Tray 2: 500-sheet (universal cassette) / 5.5" x 8.5" to 12" x 18" / 14 lb. bond to 140 lb. index, Bypass Tray: 150-sheet bypass / 4" x 6" to 12" x 18", 8" x 13" / Banner Paper / 16 lb. bond to 100 lb. cover up to 300 gsm | | | | | | |
| **Optional 500-Sheet Cassette (C3680CAS1)** | 500-sheets / 8.5" x 11", 8.5" x 14", 11" x 17" / 14 lb. bond to 140 lb. index / Foolscap: 8.5" x 13.5", 220mm x 330mm, 8.5" x 13", 8.25" x 13", 8.12" x 13.25", 8" x 13" | | | | | | |
| **Optional (2) 500-Sheet Cassettes** | 500-sheets (x2) / 8.5" x 11", 8.5" x 14", 11" x 17" / 14 lb. bond to 140 lb. index / Foolscap: 8.5" x 13.5", 220mm x 330mm , 8.5" x 13", 8.25" x 13", 8.12" x 13.25", 8" x 13" | | | | | | |
| **Large Capacity Cassette (C3680CASL)** | 2,500-sheets / 8.5" x 11" / 14 lb. bond to 140 lb. index | | | | | | |
| **Maximum Paper Capacity** | 6,650-sheets (total with options) | | 3,650-sheets (total with options) | | | 6,650-sheets (total with options) | 3,650-sheets (total with options) |
| **ADDITIONAL OPTIONS** | | | | | | | |
| **Authentication / Security Options** | C3680HID - Proximity Card Authentication Unit, C3680TABLE - Working Table to support Authentication Devices | | | | | | |
| **Finishing** | C3680FN2 - 50-Sheet Staple Finisher, C3680PUN2 - Punch Kit (C3680FN2), C3680SDL - Saddle Stitcher Kit (C3680FN2), C3680FN - 50-Sheet Internal Staple Finisher, C3680PUN - Punch Kit (C3680FN), C3680BIN - Job Separator | | | | | | |
| **Other Options** | C3680CAB - Paper Cabinet, C3680BANNER - Banner Paper Guide | | | | | | |

** Specific to each machine.*

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