JULIA R. BATES
LUCAS COUNTY PROSECUTING ATTORNEY

LUCAS COUNTY COURTHOUSE, 700 ADAMS STREET, SUITE 250, TOLEDO, OHIO 43604-5680
TELEPHONE (419) 213-4700 / FACSIMILE (419) 213-4595

November 28, 2011

Ms. Anita Lopez
Lucas County Data Processing
One Government Center
Toledo OH 43604

FAX: 213-4024

Dear Ms. Lopez:

The Prosecutor's Office would like to lease the following equipment:

Sharp Copier MX-M503

Sharp Copier MX-M283

Sharp Copier MX-3610N

See contract and brochures with specs attached hereto for all three copiers.

All three copiers are to replace existing copiers which are located at 700 Adams Street and the Juvenile Prosecutor's Office at 1801 Spielbusch Avenue. They are all to be networked with printing and scanning capabilities. They are all to be paid monthly at a price per copy with no price increase for 5 years.

Will you please put these on the December 1, 2011 agenda. The above will be paid for out of either the Lucas County Prosecutor's Office Law Enforcement Trust Fund, the Furtherance of Justice Fund or from our general fund budget. Eric Zatko from IJS will be presenting these items on behalf of the Lucas County Prosecutor's Office.

Sincerely,

John J. Weglian
Chief, Special Units Division

JJW/gmp
Attachment(s)

COPECO
A Visual Edge Technology Company

Scope of Work & Site Survey

Integrating: _____ *(Product)* **Multi-Functional Device**

_____ *(Controller)* **Print Controller**

Overview

The purpose of this installation is to integrate the *(Product)* into Customers network as a network printer/copier/scanner/fax, and provide adequate training to key personnel in the use of such equipment.

Customer Responsibilities

- Provide adequate space, electrical power and ventilation for the equipment.
- Provide a Parallel or USB cable if being connected to a local workstation.
- For network connections, provide proper network cabling to an active hub or switch, including any necessary patch cables.
- Provide a static IP address to be assigned to the device.
- Assign an IT person of their choosing to assist with the installation/integration.

Copeco, Inc. Responsibilities

- Copeco, Inc., in coordination with an assigned IT person from the customer, will integrate the system onto the Customer's network.
- Assist and train the assigned IT person in the loading of print drivers and various utilities onto a single server and up to five (5) designated workstations.
- Assist with configuration of the system to provide network scanning, E-Mailing and PC faxing, if applicable.
- Provide general user training in the use of the network features (i.e. printing, scanning, PC faxing).
- Copeco, Inc. will provide up to three (3) hours of technical time to complete the system integration and training. If the customer requires more time or wishes to pay for additional services, customer will then be billed at Copeco, Inc.'s hourly rate**.

Time Estimates

PC's or ~~two~~ maximum hours. to be charged to no minimum

The project installation assumes that Copeco, Inc. personnel will have full access to Customer equipment and IT administration assistance. Copeco, Inc. makes every reasonable effort to have a quick and efficient project installation. The actual time required will vary depending upon the circumstances found onsite.

Considerations

Once a successful installation* has been proven, Copeco, Inc. considers the project complete. Given the various forms of software and applications, Copeco, Inc. cannot guarantee complete integration and functionality with the Product and the customer's software. However, we will make every effort to do so in the time allotted for a normal installation. Copeco, Inc. is not responsible for compatibility with changes made to the customer's network or incomplete/inaccurate information submitted on this form. Customer is responsible for backing up computer systems prior to installation and for performing all necessary system updates.

If the Customer has other application or networking issues, we will be happy to offer our network services at a competitive $150.00/hour**.
*Successful installation is the ability to print a standard Windows test page through the network, from a maximum of five workstations, to the Product.
**Hourly rates are charged at the current rate of $150.00/hr for the first hour and billed in ¼ hour increments thereafter. Prices are subject to change.

Copeco, Inc. Systems Engineer		Date		
Lucas County Prosecutor		419-213-4700		
Company Name *(Customer)*		Phone #	Fax#	E-Mail
700 Adams St.		Toledo	OH	43604
Address		City	State	Zip
X				
Authorized for Customer by: (Signature)	Print Name	Title	Date	

NO installation or set up fee.

Ohio Department of TAXATION

STEC-B
Rev. 3/15/04

Sales and Use Tax
Blanket Exemption Certificate

The purchaser hereby claims exception or exemption on all purchases of tangible personal property and selected services made under this certificate from:

Capesco
(vendor's name)

and certifies that the claim is based upon the purchaser's proposed use of the items or services, the activity of the purchase, or both, as shown hereon:

Purchaser must state a valid reason for claiming exception or exemption.

Lucas County Prosecutor
Purchaser's name

700 Adams St.
Street address

Toledo OH. 43604
City, state, ZIP code

Signature *Title*

Date signed

Vendor's license number, if any

Vendors of motor vehicles, titled watercraft and titled outboard motors may use this certificate to purchase these items under the "resale" exception. Otherwise, purchaser must comply with either rule 5703-9-10 or 5703-9-25 of the Administrative Code.

This certificate cannot be used by construction contractors to purchase material for incorporation into real property under an exempt construction contract. Construction contractors must comply with rule 5703-9-14 of the Administrative Code.

COPECO
A Visual Edge Technology Company

Site Survey

Contact Information

Copeco, Inc. Sales Rep _____ Expected Install Date _____

Onsite IT Contact _____ Phone Number _____ Ext. _____

E-mail address _____

External IT Support _____ Phone Number _____

Company Name _____ E-mail address _____

General Information

We will assist with the loading of all drivers, and configuration, for up to 5 PC's. What operating system(s) will we encounter?

☐ Win 95/98/ME ☐ Win2k ☐ Win XP ☐ Win 7

☐ Win Vista ☐ MAC Version _____

What are the primary responsibilities for this device? (i.e. Printing, Scanning, PC Faxing, etc.)

_____

Are there any special needs or considerations for this integration?

_____

What type of Connection will this device be using? ☐ RJ45 Network Cable ☐ Parallel ☐ USB ☐ Wireless

Basic Network Information

We will require a static IP address from the customer prior to connected installation.

Static IP address: _____.____.____.____ (to be assigned to the product)

Subnet Mask: _____.____.____.____

Gateway Address: _____.____.____.____

DNS Server: _____.____.____.____

Do you use DHCP for your workstations? ☐ Yes ☐ No

Is there a live network jack and patch cable available? ☐ Yes ☐ No

COPECO
A Visual Edge Technology Company

Site Survey

Printing Information

Printing Topology: **Direct Printing** or **Server Based** (circle one)

If server based, what is the operating system? _____

Driver Preferences: ☐ **PCL** ☐ **Postscript**

Scanning Information

If scanning is desired, please select scanning method(s) below. Scanning can not be configured without this information.

☐ **Sharpdesk Software** (up to five workstations)

☐ **Scan to E-Mail**

IP/Host Name of E-Mail server: _____

Is your E-Mail server: ☐ **Onsite** ☐ **External** Do you require Authentication to send? ☐ **Yes** ☐ **No**

What is the default/administrator E-Mail address for the system? _____

Device E-Mail Address: _____

Do you plan to use LDAP? ☐ **Yes** ☐ **No**

What is your LDAP server address/name? _____

What is your Search root? _____

What account name should we use? _____. A password will be needed onsite.

☐ **Scan to FTP Server**

Server address/host name: _____

User Name: _____ Password: _____

Directory: _____

☐ **Scan to Desktop Folder via SMB**

A shared folder on a host machine will be needed, along with a valid username and password to access this folder.

Will these be available? ☐ **Yes** ☐ **No**

Note: If customer is running antivirus or firewall software, exception rules will need to be created.

Customer will need administrative privileges to the host machine for initial configuration.

COPECO
A Visual Edge Technology Company

PC Faxing

Is PC Faxing required? ☐ Yes ☐ No
Does the customer have a working telephone line to plug into the machine? ☐ Yes ☐ No

Complete Output Management Program

Copeco offers a free program that can monitor the status of their networked copier and printer fleet. One of the main benefits to this program is the ability to capture and report meter readings of their equipment on a regular basis. This removes the burden from the customer of having to perform this task when needed. Additionally, this program will help to monitor the overall health of their connected equipment and can send E-Mail alerts if something should go wrong.

Copeco encourages all customers to participate in this program. Installation of the software should be done at the time of connected install, and only takes a few extra minutes. Customer will need to identify a single server or workstation to host the software, which runs silently in the background and is not resource intensive. Our sales rep will share overview and security documentation with the customer prior to install.

Does customer agree to installation of COM software? ☐ Yes ☐ No

Privacy Statement

The information contained in this form will be used to facilitate the integration of Copeco, Inc. equipment into your network and for future troubleshooting of printing or scanning issues. The information contained on this form may be shared with the IT person or IT company that the customer has listed on this form, or designates in the future. The information will not be sold ~~or released~~ to any person or companies not designated by the customer.

This is a public record.

Installation Waiver, if applicable

If the equipment you are purchasing is not to be connected at this time, or you do not desire Copeco, Inc.'s assistance with this installation, please sign below.

I _____ (print customers name) will (not be connecting the (product) at this time) or (do not require connectivity assistance). [Please circle which applies] I understand that Copeco, Inc. not responsible for compatibility issues that may arise now, or in the future. Copeco, Inc. will make every attempt to provide drivers or updates as necessary, provided the customer has a current maintenance agreement. Future connectivity assistance can be provided by Copeco, Inc. as a chargeable service call at the current service rate.

X _____ (Customers Signature)

Cannot guarantee that it won't be released

If more than one system is being installed from a single order please list the Model number, the IP address, system location and any other information that is different than the system listed on the front page.

COPECO
A Visual Edge Technology Company

3874 Highland Park Dr NW
North Canton, Oh 44720
P: 330-494-9694
www.copeco.com

Order Date:		Sales Rep:	
Ship Date:			

Acct:	Lucas County Prosecutor	Address:	700 Adams st.
Bill To:		City, State, Zip:	Toledo, OH. 43604
Company:		Fax:	
Phone:	(419) 213-4848	Contact Name:	Gina Pedro

Ship To (if different from Bill To):

TERMS OF AGREEMENT

___ Lease ___ FMV ___ $1 ___ Rental ___ Cost per Copy ___ mos. | ___ Purchase (net 10 upon delivery)

Will unit be connected upon delivery? ☐ YES ☐ NO

********** SEE ATTACHED ADDENDUM **********

Qty	Item #	Make and Model	Serial #	System ID	Meter	
1		Sharp MX-M503N with				$ 766.00 /mo
		Finisher, Lcc, Fax Kit, Print				$ 60 months
		Scan, Copy.				$ includes
1		Sharp - MX-3610N with				$ 42,000 Black
		Finisher				$ and 620 color
1		Sharp MX-M283N Print				$ copies per month
		Scan, Copy				$
						$

**Workshop Training/ Additional Professional Services Training - $110.00/hr

OTHER NOTES: Copeco the waive base charges for Invoices AR 135235 AR 136258 AR 136243

Subtotal	$
D.I.S.T	$
Taxes	$
Total	$

COPECO to issue rebate check for remaining lease payments:		Lease(s) to be terminated:	Lease Number(s) being terminated:
☐YES ☒NO	Customer to sign attached rebate letter outlining responsibilities and lease obligations.	☐YES ☒NO	

TRADE IN(S) / CONTRACT(S) TO BE CANCELLED

Model:	P/U	Cancel	System ID:	End B	End C
Model:	P/U	Cancel	System ID:	End B	End C
Model:	P/U	Cancel	System ID:	End B	End C
Model:	P/U	Cancel	System ID:	End B	End C

Tax Exempt: ☐YES ☐NO (Please provide valid tax exempt form)

Customer agrees to purchase/lease items described above in the terms hereof.

Signature:	Title:
Date:	Legal Name of Corporation of Partnership:
Print Name:	Agreement Accepted by COPECO:

COPECO
A Visual Edge Technology Company
www.copeco.com

3874 Highland Park DrNW
North Canton, OH 44720
P: 330-494-9894 F:800-368-7769

SERVICE AGREEMENT

Order Date:		Sales Rep:	
Ship Date:			
Acct Number:	Lucas County Prosecutor	Meter Contact:	
Customer:		Fax Number:	
Email		Email:	

Contract Type (Circle One)

A ***Full Service and Supplies*** - This agreement includes all mileage, calls, labor, color and black toner/developer/starter (based upon published yields), parts, photoconductor drums, remote support and loaner service.

B ***Service Only*** - This agreement includes all mileage, calls labor, parts, remote phone support and loaner service (Does not include master units or toner).

NOTE: Contract prices do not include shipping & handling charges on supplies.

Model / System ID	BASE: (Monthly) Quarterly _____		Ovg Rate	Meter Type	Meter Reading Frequency	
	Copy Allowance	Base Charge				
Black	42,000	$	.009		(Monthly)	Quarterly _____
color	620	$	.06		(Monthly)	Quarterly _____
		$			Monthly	Quarterly _____
		$			Monthly	Quarterly _____
		$			Monthly	Quarterly _____
		$			Monthly	Quarterly _____
		$			Monthly	Quarterly _____
		$			Monthly	Quarterly _____

Contracts to be cancelled:

COMMENTS: Part of cost per copy Agreement

Terms and Conditions

1. COPECO reserves the right to adjust minimum base billing amounts and/or overage rates during renewal periods and/or annually to COPECO's then current rates.

2. A 60 day notice of cancellation is required in writing to the contract department in the event you should chose to cancel your contract. Cancellation does not entitle customer to a refund. Outstanding balances will be pro-rated based upon contract start date and cancellation dates. Unused supplies must be returned upon cancellation.

3. It is the customer's responsibility to provide meter readings. If meter readings are not received, COPECO reserves the right to estimate readings based on past usage. Estimated invoices are due and payable upon receipt.

4. Loaner - If COPECO cannot repair your machine on your premises, COPECO will provide a loaner copier until repairs can be made, at no additional charge. Standard meter rates and allowances do apply.

5. Emergency Service - All parts and labor are provided to original owner/lessee during normal business hours. 8:00am - 5:00pm Monday - Friday

Tax Exempt: □YES □NO (Please provide valid tax exempt form)

Signature:	Title:
Date:	Legal Name of Corporation of Partnership:
Print Name:	Agreement Accepted by COPECO:

usbancorp.

Municipal Lease Purchase Application

1310 Madrid Street, Suite 101 • Marshall, MN 56258 • Phone: 800.328.5371 • Fax: 800.328.9092

SUPPLIER INFORMATION

VENDOR NUMBER	VENDOR NAME	CONTACT	PHONE
	Copeco		

CUSTOMER INFORMATION

LEGAL COMPANY NAME	ADDRESS			
Lucas County Prosecutor	700 Adams			
CITY	**STATE**	**ZIP**	**PHONE**	**FED. TAX I.D. #**
Toledo	OH.	43604	(419)213-4848	34-6400806
FAX	**E-MAIL ADDRESS**			**CONTACT PERSON**
BILLING ADDRESS (IF DIFFERENT FROM ABOVE)		**CITY**	**STATE**	**ZIP**

LEASE INFORMATION

DESCRIPTION OF PRODUCT	PAYMENT AMOUNT
Sharp MX-M503, Sharp MX-3610, Sharp MX-M363	$786.00
PRODUCT COST	**LEASE TERM**
	60 months

You understand that this application is for obtaining a Lease that is a "bank qualified tax-exempt obligation" as defined in Section 265(b)(3)(B) of the Internal Revenue Code and represent that the aggregate face amount of all tax-exempt obligations (excluding private activity bonds other than qualified 501(C)(3) bonds) issued or to be issued by You and Your subordinated entities during the calendar year in which We fund this Lease is not reasonably expected to exceed $10,000,000.

_____ **Your Initials**

Each individual signing below certifies that the information provided in this credit application is accurate and complete. Each individual signing below authorizes you or any assignee or funding source which may be utilized (collectively referred to as "Lenders") to obtain information that will be ongoing and relate not only to the evaluation and/or extension of the business credit requested, but also for purposes of reviewing the account, increasing the credit line on the account (if applicable), taking collection action on the account, and for any other legitimate purpose associated with the account as may be needed from time to time. Each individual signing below further waives any right or claim which such individual would otherwise have under the Fair Credit Reporting Act in the absence of this continuing consent.

X

SIGNATURE	SIGNER'S PRINTED NAME
DATE	**TITLE** / **CONTACT PHONE**

ECOA NOTICE (TO BE RETAINED BY APPLICANT)

Thank you for your business credit application. We will review it carefully and get back to you promptly. If your application for business credit is denied, you have the right to a written statement of the specific reasons for the denial. To obtain that statement, please contact us within 60 days from the date that you are notified of our decision. We will send you a written statement of the reasons for the denial within 30 days of your request for the statement. NOTICE: The Federal Equal Credit Opportunity Act prohibits creditors from discriminating against credit applicants on the basis of race, color, religion, national origin, sex, marital status, age (provided the applicant has the capacity to enter into a binding contract), because all or part of the applicant's income derives from any public assistance program; or because the applicant has, in good faith, exercised any right under the Consumer Credit Protection Act. The federal agency that administers our compliance with this law is the Office of the Comptroller of the Currency, Equal Credit Opportunity, Washington, DC 20219.

IMPORTANT NEW CUSTOMER INFORMATION

To help the government fight the funding of terrorism and money laundering activities, Federal law requires financial institutions to obtain, verify and record identifying information on new customers. The data requested above will allow us to identify the person signing this application. We may also ask for other identifying documents.

****This application must be filled out in its entirety.****

usbancorp *Municipal Value Lease Purchase Agreement*

APPLICATION NO. | CONTRACT NO.

Send Account Inquiries to: 4310 Madrid Street, Suite 101 • Marshall, MN 56258 • Phone: (800) 328-5371 • Fax: (800) 328-9092
Send Payments to: P.O. Box 790448 • St. Louis, MO 63179-0448

The words you and your refer to the customer. The words **Lessor, we, us** and our refer to U.S. Bancorp Equipment Finance, Inc. Every attempt has been made to eliminate confusing language and create a simple, easy-to-read document.

CUSTOMER INFORMATION

FULL LEGAL NAME			STREET ADDRESS	
			700 Adams	
CITY	STATE	ZIP	PHONE	FAX
Toledo	Ohio	43604	(419) 213-4848	
EQUIPMENT LOCATION (IF DIFFERENT FROM ABOVE)			E-MAIL	

SUPPLIER INFORMATION

NAME OF SUPPLIER			STREET ADDRESS	
CITY	STATE	ZIP	PHONE	FAX

MAKE/MODEL NO./ACCESSORIES	SERIAL NO.	STARTING METER

LEASE TERMS | LEASE PAYMENT AMOUNT | SECURITY DEPOSIT

Term in Months	Payments of $ (Plus Applicable Taxes)	$ (Plus Applicable Taxes)
60 (mos)	60 — 786.00 — Lease Payment Period is Monthly Unless Otherwise Indicated.	$ 0

Payment Includes 12,000 B&W pages per month	Overage billed monthly at $ .009 per B&W page
Payment Includes 620 Color pages per month	Overage billed monthly at $ .06 per Color page

TERMS AND CONDITIONS

We here by lease to You, the personal property (the "Equipment") described above, as any attached Exhibit A, or in any subsequent schedule which may hereafter be made a part hereof, upon the following terms and conditions:

1. TERM AND RENT: The term of, and the Lease amount ("Lease Amount") due under this Municipal Value Lease Purchase Agreement ("Agreement") shall begin on the Acceptance Date noted below or as specified on an attached Property Acceptance Certificate (Exhibit C) and, continue for the term as above unless earlier terminated per paragraph 28 and on the date all payments on Exhibit B, or in any subsequent schedules which may hereafter be made a part hereof, have been made. This Agreement will be deemed automatically renewed by You each year (Your fiscal year) unless earlier terminated by You due to non-appropriation as provided in Paragraph 18 herein.

The Lease Amount includes specified amounts of principal and interest due on a specific date. Upon full payment by You of the entire Lease Amount including interest due on this Agreement, the security interest held by Us and Our successors or assigns shall be released. If any payment (or portion thereof) is not paid when due, it will incur a monthly late charge of 1.5% of the payment amount or the maximum amount permitted by law, whichever is less. You covenant to pay all Lease Amounts when due, and to perform all other payments contained in this Agreement. Upon the appropriation of Lease Amounts for a fiscal year, the Lease Amounts for said fiscal year shall be a binding obligation. Customer's obligations are absolute and unconditional and are not subject to cancellation, reduction, setoff or counterclaim except as provided in Paragraph 19 herein. Lessor and Customer understand and intend that the obligation of Customer to pay all Lease Amounts hereunder shall constitute a current expense of Customer and will not be in any way construed to be a debt of Customer in contravention of any applicable constitutional, statutory or charter limitation or requirement.

2. COVENANTS OF CUSTOMER: You warrant and represent as follows: (a) You are a body politic and have statutory authority to enter into this transaction and carry out its obligations; (b) You have authorized the signing of this Agreement by Your appropriate officials and followed all applicable public bidding requirements; (c) You have, in accordance with the requirements of law, duly budgeted and appropriated sufficient unencumbered funds for the current budget year and to meet Your other obligations under this Lease for the current budget year, and those funds have not been expended for other purposes; (d) the Equipment is essential to Your proper, efficient, economic and continuing operation and will be used for Your general business; (e) You have never failed to appropriate or otherwise make available funds sufficient to pay Lease or other payments coming due under any lease purchase, installment sale or other similar agreement; (f) You warrant this Lease as a "bank qualified tax-exempt obligation" as defined in Section 265(b)(3) of the Internal Revenue Code and represent that the aggregate face amount of all tax-exempt obligations (including private activity bonds other than qualified 501(C)(3) bonds) issued or to be issued by You and Your subordinate entities during the calendar year in which We fund this Lease is not reasonably expected to exceed $10,000,000; and (g) You and all of Your subordinate entities will not issue in excess of $10,000,000 of qualified tax-exempt obligations (including this Lease but excluding private activity bonds other than qualified 501(C)(3) bonds) during the calendar year in which We fund this Lease without first obtaining an opinion of national recognized counsel in the area of tax-exempt municipal obligations acceptable to Us that the designation of this Lease as a "bank qualified tax-exempt obligation" will not be adversely affected.

_____ Your *Initials* *(Continued on the reverse side)*

LESSOR ACCEPTANCE

U.S. Bancorp Equipment Finance, Inc.

DATED | LESSOR | SIGNATURE | TITLE

CUSTOMER ACCEPTANCE

By signing below, you certify all conditions and terms of this Agreement on the FRONT and BACK have been reviewed and acknowledged. By providing a telephone number for a cellular phone or other wireless device, you are expressly consenting to receiving communications (including artificial or prerecorded voice message calls, text messages, and calls made by an automatic telephone dialing system) from Lessor and its affiliates and agents. This Express Consent applies to each such telephone number that you provide to us now or in the future and permits such calls. Those calls and messages may incur access fees from your cellular provider.

X

DATED | CUSTOMER | SIGNATURE | TITLE

FEDERAL TAX I.D. # | PRINT NAME

ACCEPTANCE OF DELIVERY

You certify that all the Equipment listed above has been furnished, that delivery and installation has been fully completed and satisfactory. Further, all conditions and terms of this Agreement have been reviewed and acknowledged. Upon your signing below, your promises herein will be irrevocable and unconditional in all respects. You understand and agree that we have purchased the Equipment from the supplier, and you hereby assign the above supplier for your warranty rights, which we transfer to you for the term of the agreement. Your payment as indicated below of our purchase of the Equipment from the supplier is a condition precedent to the effectiveness of this Agreement.

X

DATE OF DELIVERY | CUSTOMER | SIGNATURE | TITLE

3. TITLE: Title to the Equipment shall pass to You upon acceptance of delivery. Should you fail to complete full performance of Your undertakings as provided in this Agreement including full payment by You of the entire Lease Amount including interest due on this Agreement, title will revert to Us.

4. EQUIPMENT INSPECTION, LIENS, PERSONAL PROPERTY and TITLE: You have fully inspected and acknowledged that the Equipment is in good condition and repair, and that You are satisfied with and have accepted the Equipment in such condition. You will not create or assume any mortgage, pledge, lien, encumbrance or claim on the Equipment, and will, at Your own expense, discharge any such claim. The Equipment is, and will at all times during the Agreement Term remain, personal property. Title to the Equipment has been conveyed to You during the lease term in return for periodic payments, subject to the terms and conditions herein.

5. SECURITY INTEREST: To secure payments and observance by You of the covenants expressed or implied herein, You grant a security interest in and a lien on the Equipment to Us, our successors and assigns.

6. USE AND MAINTENANCE: You will use the Equipment in a careful and proper manner, in compliance with all applicable laws and regulations. Equipment is to be used by You exclusively and not subleased, loaned or otherwise used by entities other than You. At Your sole expense and cost, You will maintain the Equipment in good repair, condition and working order and in compliance with manufacturer's suggested maintenance and so as to maintain manufacturer's and /or supplier's warranties.

7. DAMAGE OR DESTRUCTION OF EQUIPMENT: You hereby assume and bear the entire risk of loss of and damage to the Equipment, whether or not insured from any and every cause whatsoever. No loss or damage to the Equipment or any part thereof shall impair any of Your obligation under this Agreement, which shall continue in full force and effect. If the Equipment is partially lost, stolen, damaged or destroyed, You will promptly repair and restore it to working order. If net insurance proceeds (including proceeds of self-insurance) are not sufficient to pay for repairs, You will nevertheless complete the work and pay the costs. You are not entitled to reimbursement or to any reduction of the payments or other amounts payable pursuant this Agreement. If the Equipment is totally lost, stolen, damaged or destroyed, You shall pay to Us or Our assignee a sum equal to the applicable remaining "Principal Balance" plus interest as stated on Exhibit B, if paid later than as regularly scheduled.

8. DISCLAIMER OF WARRANTIES: WE MAKE NO WARRANTY EXPRESS OR IMPLIED, INCLUDING THAT THE EQUIPMENT IS FIT FOR A PARTICULAR PURPOSE OR THAT THE EQUIPMENT IS MERCHANTABLE. YOU AGREE THAT YOU HAVE SELECTED THE SUPPLIER AND EACH ITEM OF EQUIPMENT BASED UPON YOUR JUDGEMENT AND DISCLAIM ANY RELIANCE UPON ANY STATEMENTS OR REPRESENTATIONS MADE BY US OR ANY SUPPLIER. WE DO NOT TAKE RESPONSIBILITY FOR THE INSTALLATION OR PERFORMANCE OF THE EQUIPMENT. THE SUPPLIER IS NOT AN AGENT OF OURS AND NOTHING THE SUPPLIER STATES CAN AFFECT YOUR OBLIGATION UNDER THE LEASE. YOU WILL CONTINUE TO MAKE ALL PAYMENTS UNDER THIS AGREEMENT REGARDLESS OF ANY CLAIM OR COMPLAINT AGAINST SUPPLIER.

9. INSURANCE: During the term of this Agreement, You will keep the Equipment insured against all risks of loss or damage in an amount not less than the replacement cost of the Equipment, without deductible and without co-insurance. We will be the sole named loss payee on the property insurance. We will be named as additional insured on public liability coverage. You will pay all premiums for such insurance and must deliver proof of insurance coverage satisfactory to Us. If You do not provide such proof of such insurance before this Agreement commences, You agree that We have the right, but not the obligation, to enroll you in our property damage coverage program and bill You a monthly property damage surcharge of up to .0035 of the total stream of payments to in part cover Our increased administrative costs, credit risk and other costs and on which We may make a profit. Nothing in this paragraph will relieve You of the obligation to provide public liability coverage.

10. SURRENDER OF PROPERTY: Upon termination of this Agreement due to default or non-appropriation, You shall return the Equipment to Us in good repair, condition and working order, ordinary wear and tear resulting from proper use thereof alone excepted, and have been maintained in accordance with Paragraph 6. In the event of early termination of this Agreement, You will return the Equipment in a condition that permits Us to be eligible for the manufacturer's or supplier's standard maintenance contract without incurring any expense to repair or rehabilitate such Equipment. You will transfer ownership and title to the Equipment to Us and guarantee and indemnify clear title. You, at your own expense, shall deliver the Equipment to such place as specified by Us.

11. TAX INDEMNIFICATION: If You lose Your eligibility for the "Small Issuer Exemption" during the calendar year or this transaction is deemed by any taxing authority not to be tax exempt from federal and/or state income taxation, You agree the implicit interest rate and corresponding monthly interest payment in Exhibit B will be increased to preserve Our originally anticipated yield.

12 TAXES: Unless You have provided Us with evidence of an exemption, You agree to pay any license or registration fees, gross receipts, taxes, assessments, charges and sales, use, property, excise and other taxes imposed by any governmental agency upon the Equipment. Any fees, taxes or other lawful charges paid by Us or Our assigns for You shall become immediately due from You to Us or Our assignee including any costs incurred by Us pursuant to Paragraph 11.

13. EVENTS OF DEFAULT: The default by You under any term, covenant or condition contained herein which is not cured within ten days after written notice thereof from Us, shall, at Our option, terminate this Agreement and Your right to possession of the Equipment.

14. REMEDIES ON DEFAULT: Upon termination of this Agreement, We may without notice to or demand upon You, except as stipulated in paragraph 10, pursue one or more of the following remedies: (a) Take any necessary or desirable action to collect all payments due under this Agreement, or to enforce performance of any obligation, agreement or covenant of You under this Agreement, including payment of any amounts which You fail to pay (such as insurance premiums, costs or repairs, taxes). We and Our assigns will also be entitled to recover all costs and expenses, including attorney's fees, incurred in connection with the enforcement of any of Our or Our assigns rights or remedies against You. (b) To sue for and recover all rents, and other payments, then accrued or thereafter accruing, with respect to any or all items of Equipment. (c) To take possession of any or all items of Equipment, wherever same may be located, without any court order or other process of law. You hereby waive any and all damages occasioned by such taking of possession. Any said taking of possession shall not constitute a termination of this Agreement as to any or all items of Equipment unless We expressly notify You in writing. (d) To terminate this Agreement as to any or all items of Equipment. (e) To pursue any other remedy at law or in equity. Notwithstanding any said repossession, or any other action which We may take, You shall be and remain liable for the full performance of all obligations on the part of You to be performed under this lease. All such remedies are cumulative, and may be exercised concurrently or separately.

15. CONCURRENT REMEDIES: No right or remedy of Ours is exclusive of any other right or remedy. Each is cumulative of every other right or remedy given, or now hereafter existing at law, and may be enforced concurrently, separately, or in sequence.

16. ASSIGNMENT: You agree not to sell, assign, lease, sublease, pledge or allow any lien or encumbrance against any interest in this Agreement or the Equipment without Our prior written consent, which will be withheld if: (1) It would eliminate or decrease Our tax exempt yield or, (2) It would, in Our sole judgment, diminish the prospects for repayment. You agree that We may assign, in whole or in part, Our right, title and interest in this Agreement or the Equipment to one or more third parties and shall be free of all defenses, set-offs or counterclaims of any kind which You may be entitled to assert against Us. Any such assignee will have Our rights under the Agreement but not the obligations. Any assignee of Us may reassign its interest in this Agreement and /or the Equipment to any other person who, thereupon, shall be deemed to be Our assignee.

17. UNIFORM COMMERCIAL CODE: You acknowledge that this Agreement secures a purchase money security interest in such Equipment as set forth and enforceable under the Uniform Commercial code, and authorizes Us at Our option to (i) file one or more financing statements signed only by Us, or (ii) file a copy of this Agreement with the appropriate state and local authorities at any time as We shall deem necessary to fully protect the security interest herein granted to it by You and charge you a fee of $95.00. You hereby authorize Us as secured party or its agent or assignee to sign and execute on its behalf any and all necessary UCC-1 forms to perfect the purchase money security interest herein granted to secured party. Any fee charged under this Agreement may include a profit.

18. NON-APPROPRIATION: You may terminate this Agreement at the end of any fiscal year if the following events shall have occurred:
(a) In the event funds are not budgeted and appropriated in any fiscal year for Lease Payments due under this Agreement for the succeeding fiscal year, or for the acquisition of services, Equipment or functions, which in whole or in part are essentially the same as those being leased hereunder, this Agreement shall impose no obligation on You as to such succeeding fiscal year and shall become null and void except as to the Lease Payments herein agreed upon for which funds will have been appropriated and budgeted, and no right of action or damages shall accrue to Our benefit, Our successors and assigns, for any further payments;
(b) If the provisions of Section (a) are utilized by You, You agree to immediately notify Us or Our assignee of this Agreement that funds are not budgeted and appropriated, and to peaceably surrender possession of the Equipment to Us or Our assignee,
(c) You made all payments due during the fiscal period immediately preceding the fiscal period for which sufficient funds were not appropriated,
(d) Any early termination due to non-appropriation must be at the end of Your then-current fiscal year.

19. CHOICE OF LAW; ~~JURY TRIAL WAIVER~~ This Lease will be governed and construed in accordance with the laws of the state where You are located. ~~To the extent permitted by law, You agree to waive Your right to a trial by jury.~~

20. MAINTENANCE AND SUPPLIES: The charges established by this Agreement include payment for the use of the designated Equipment and accessories, maintenance by supplier (during normal business hours); inspection, adjustment, parts replacement, drums and cleaning material required for the proper operation, as well as toner and developer. Paper must be separately purchased by You. If necessary, the service and supply portion of this Agreement may be assigned. We may charge You a Supply Freight Fee to cover our costs of shipping supplies to You. You agree to comply with any billing procedure designated by us, including notifying us of the meter reading at the end of each month.

make sure we comply to this requirement

Form **8038-GC**
(Rev. May 2009)
Department of the Treasury
Internal Revenue Service

Information Return for Small Tax-Exempt Governmental Bond Issues, Leases, and Installment Sales

▶ Under Internal Revenue Code section 149(e)

Caution: If the issue price of the issue is $100,000 or more, use Form 8038-G.

OMB No. 1545-0720

Part I Reporting Authority — Check box if Amended Return ▶ ☐

1 Issuer's name — 2 Issuer's employer identification number

3 Number and street (or P.O. box if mail is not delivered to street address) — Room/suite

4 City, town, or post office, state, and ZIP code — 5 Report number (For IRS Use Only)

6 Name and title of officer or legal representative whom the IRS may call for more information — 7 Telephone number of officer or legal representative

Part II Description of Obligations. Check one: a single issue ☐ or a consolidated return ☐.

8a	Issue price of obligation(s) (see instructions)	8a
b	Issue date (single issue) or calendar date (consolidated). Enter date in mm/dd/yyyy format (for example, 01/01/2009) (see instructions) ▶ ___/___/___	
9	Amount of the reported obligation(s) on line 8a that is:	
a	For leases for vehicles	9a
b	For leases for office equipment	9b
c	For leases for real property	9c
d	For leases for other (see instructions)	9d
e	For bank loans for vehicles	9e
f	For bank loans for office equipment	9f
g	For bank loans for real property	9g
h	For bank loans for other (see instructions)	9h
i	Used to refund prior issue(s)	9i
j	Representing a loan from the proceeds of another tax-exempt obligation (for example, bond bank)	9j
k	Other	9k
10	If the issuer has designated any issue under section 265(b)(3)(B)(i)(III) (small issuer exception), check this box ▶ ☐	
11	If the issuer has elected to pay a penalty in lieu of arbitrage rebate, check this box (see instructions) ▶ ☐	
12	Vendor's or bank's name:	
13	Vendor's or bank's employer identification number:	

Sign Here

Under penalties of perjury, I declare that I have examined this return and accompanying schedules and statements, and to the best of my knowledge and belief, they are true, correct, and complete.

Issuer's authorized representative — Date — Type or print name and title

Paid Preparer's Use Only

Preparer's signature — Date — Check if self-employed ☐ — Preparer's SSN or PTIN

Firm's name (or yours if self-employed), address, and ZIP code — EIN — Phone no. ( )

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

Form 8038-GC is used by the issuers of tax-exempt governmental obligations to provide the IRS with the information required by section 149(e) and to monitor the requirements of sections 141 through 150.

Who Must File

Issuers of tax-exempt governmental obligations with issue prices of less than $100,000 must file Form 8038-GC.

Issuers of a tax-exempt governmental obligation with an issue price of $100,000 or more must file Form 8038-G, Information Return for Tax-Exempt Governmental Obligations.

Filing a separate return for a single issue. Issuers have the option to file a separate Form 8038-GC for any tax-exempt governmental obligation with an issue price of less than $100,000.

An issuer of a tax-exempt bond used to finance construction expenditures must file a separate Form 8038-GC for each issue to give notice to the IRS that an election was made to pay a penalty in lieu of arbitrage rebate (see the line 11 instructions).

Filing a consolidated return for multiple issues. For all tax-exempt governmental obligations with issue prices of less than $100,000 that are not reported on a separate Form 8038-GC, an issuer must file a consolidated information return including all such issues issued within the calendar year.

Thus, an issuer may file a separate Form 8038-GC for each of a number of small issues and report the remainder of small issues issued during the calendar year on one consolidated Form 8038-GC. However, a separate Form 8038-GC must be filed to give the IRS notice of the election to pay a penalty in lieu of arbitrage rebate.

When To File

To file a separate return for a single issue, file Form 8038-GC on or before the 15th day of the second calendar month after the close of the calendar quarter in which the issue is issued.

To file a consolidated return for multiple issues, file Form 8038-GC on or before February 15th of the calendar year following the year in which the issue is issued.

Late filing. An issuer may be granted an extension of time to file Form 8038-GC under Section 3 of Rev. Proc. 2002-48, 2002-2 C.B. 631, if it is determined that the failure to file on time is not due to willful neglect. Type or print at the top of the form, "Request for Relief under Section 3 of Rev. Proc. 2002-48." Attach to the Form 8038-GC a letter briefly stating why the form was not submitted to the IRS on time. Also indicate whether the obligation in question is under examination by the IRS. Do not submit copies of any bond documents, leases, or installment sale documents. See *Where To File* below.

Where To File

File Form 8038-GC, and any attachments, with the Department of the Treasury, Internal Revenue Service Center, Ogden, UT 84201.

Other Forms That May Be Required

For rebating arbitrage (or paying a penalty in lieu of arbitrage rebate) to the Federal Government, use Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate. For private activity bonds, use Form 8038, Information Return for Tax-Exempt Private Activity Bond Issues.

Form 8038-GC Receipt Acknowledgement

If you wish to request an acknowledgement receipt of this return by the IRS you must provide the following:

- A cover letter specifically requesting the acknowledgement of this return.
- A copy (or copies, if multiple acknowledgements are requested) of the return being filed, with "Acknowledgment Copy" written across the top of the first page of each copy. For multiple requests, the copies must be stapled together.
- A self-addressed stamped envelope for each acknowledgement receipt recipient.

Rounding to Whole Dollars

You may show the money items on this return as whole-dollar amounts. To do so, drop any amount less than 50 cents and increase any amount from 50 to 99 cents to the next higher dollar.

Definitions

Obligations. This refers to a single tax-exempt governmental obligation if Form 8038-GC is used for separate reporting or to multiple tax-exempt governmental obligations if the form is used for consolidated reporting.

Tax-exempt obligation. This is a bond, installment purchase agreement, or financial lease, on which the interest is excluded from income under section 103.

Private activity bond. This includes an obligation issued as part of an issue in which:

- More than 10% of the proceeds are to be used for any private activity business use, and
- More than 10% of the payment of principal or interest of the issue is either (a) secured by an interest in property to be used for a private business use (or payments for such property) or (b) to be derived from payments for property (or borrowed money) used for a private business use.

It also includes a bond, the proceeds of which (a) are to be used to make or finance loans (other than loans described in section 141(c)(2)) to persons other than governmental units and (b) exceeds the lesser of 5% of the proceeds or $5 million.

Issue. Generally, obligations are treated as part of the same issue only if they are issued by the same issuer, on the same date, and as part of a single transaction, or a series of related transactions. However, obligations issued during the same calendar year (a) under a loan agreement under which amounts are to be advanced periodically (a "draw-down loan") or (b) with a term not exceeding 270 days, may be treated as part of the same issue if the obligations are equally and ratably secured under a single indenture or loan agreement and are issued under a common financing arrangement (for example, under the same official statement periodically updated to reflect changing factual circumstances). Also, for obligations issued under a draw-down loan that meets the requirements of the preceding sentence, obligations issued during different calendar years may be treated as part of the same issue if all of the amounts to be advanced under the draw-down loan are reasonably expected to be advanced within 3 years of the date of issue of the first obligation. Likewise, obligations (other than private activity bonds) issued under a single agreement that is in the form of a lease or installment sale may be treated as part of the same issue if all of the property covered by that agreement is reasonably expected to be delivered within 3 years of the date of issue of the first obligation.

Arbitrage rebate. Generally, interest on a state or local bond is not tax-exempt unless the issuer of the bond rebates to the United States arbitrage profits earned from investing proceeds of the bond in higher yielding nonpurpose investments. See section 148(f).

Construction issue. This is an issue of tax-exempt bonds that meets both of the following conditions:

1. At least 75% of the available construction proceeds of the issue are to be used for construction expenditures with respect to property to be owned by a governmental unit or a 501(c)(3) organization, and

2. All of the bonds that are part of the issue are qualified 501(c)(3) bonds, bonds that are not private activity bonds, or private activity bonds issued to finance property to be owned by a governmental unit or a 501(c)(3) organization.

In lieu of rebating any arbitrage that may be owed to the United States, the issuer of a construction issue may make an irrevocable election to pay a penalty. The penalty is equal to 1½ % of the amount of construction proceeds that do not meet certain spending requirements. See section 148(f)(4)(C) and the instructions for Form 8038-T.

Specific Instructions

In general, a Form 8038-GC must be completed on the basis of available information and reasonable expectations as of the date of issue. However, forms that are filed on a consolidated basis may be completed on the basis of information readily available to the issuer at the close of the calendar year to which the form relates, supplemented by estimates made in good faith.

Part I—Reporting Authority

Amended return. An issuer may file an amended return to change or add to the information reported on a previously filed return for the same date of issue. If you are filing to correct errors or change a previously filed return, check the "*Amended Return*" box in the heading of the form.

The amended return must provide all the information reported on the original return, in addition to the new corrected information. Attach an explanation of the reason for the amended return.

Line 1. The issuer's name is the name of the entity issuing the obligations, not the name of the entity receiving the benefit of the financing. In the case of a lease or installment sale, the issuer is the lessee or purchaser.

Line 2. An issuer that does not have an employer identification number (EIN) should apply for one on Form SS-4, Application for Employer Identification Number. You can get this form on the IRS website at *www.irs.gov* or by calling 1-800-TAX-FORM (1-800-829-3676). You may receive an EIN by telephone by following the instructions for Form SS-4.

Lines 3 and 4. Enter the issuer's address. If the issuer receives its mail in care of a third party authorized representative (such as an accountant or attorney), enter on the street address line "C/O" followed by the third party's name and street address or P.O. box. Include the suite, room, or other unit number after the street address. If the post office does not deliver mail to the street address and the issuer has a P.O. box, show the box number instead of the street address. If a change in address occurs after the return is filed, use Form 8822, Change of Address, to notify the IRS of the new address.

Line 5. This line is for IRS use only. Do not make any entries in this box.

Part II—Description of Obligations

Check the appropriate box designating this as a return on a single issue basis or a consolidated return basis.

Line 6a. The issue price of obligations is generally determined under Regulations section 1.148-1(b). Thus, when issued for cash, the issue price is the price at which a substantial amount of the obligations are sold to the public. To determine the issue price of an obligation issued for property, see sections 1273 and 1274 and the related regulations.

Line 6b. For a single issue, enter the date of issue (for example, 03/15/2008 for a single issue issued on March 15, 2008), generally the date on which the issuer physically exchanges the bonds that are part of the issue for the underwriter's (or other purchaser's) funds; for a lease or installment sale, enter the date interest starts to accrue. For issues reported on a consolidated basis, enter the first day of the calendar year during which the obligations were issued (for example, for calendar year 2008, enter 01/01/2008).

Lines 6e through 6h. Complete this section if property other than cash is exchanged for the obligation, for example, acquiring a police car, a fire truck, or telephone equipment through a series of monthly payments. (This type of obligation is sometimes referred to as a "municipal lease.") Also complete this section if real property is directly acquired in exchange for an obligation to make periodic payments of interest and principal. For lines 6a through 6d, enter the amount on the appropriate line that represents a lease or installment purchase. For line 6d, enter the type of item that is leased. For lines 6e through 6h, enter the amount on the appropriate line that represents a bank loan. For line 6h, enter the type of bank loan.

Lines 6i and 6j. For line 6i, enter the amount of the proceeds that will be used to pay principal, interest, or call premium on any other issue of bonds, including proceeds that will be used to fund an escrow account for this purpose. Several lines may apply to a particular obligation. For example, report on lines 6i and 6j obligations used to refund prior issues which represent loans from the proceeds of another tax-exempt obligation.

Line 6k. Enter on line 6k the amount on line 6a that does not represent an obligation described on lines 6a through 6j.

Line 10. Check this box if the issuer has designated any issues as a "small issuer exception" under section 265(b)(3)(B)(i)(III).

Line 11. Check this box if the issue is a construction issue and an irrevocable election to pay a penalty in lieu of arbitrage rebate has been made on or before the date the bonds were issued. The penalty is payable with a Form 8038-T for each 5-month period after the date the bonds are issued. Do not make any payment of penalty in lieu of rebate with Form 8038-GC. See Rev. Proc. 92-22, 1992-1 C.B. 736, for rules regarding the "election document."

Line 12. Enter the name of the vendor or bank who is a party to the installment purchase agreement, loan, or financial lease. If there are multiple issuers or banks, issuers should attach a schedule.

Line 13. Enter the employer identification number of the vendor or bank who is a party to the installment purchase agreement, loan, or financial lease. If there are multiple issuers or banks, issuers should attach a schedule.

Signature

An authorized representative of the issuer must sign Form 8038-GC and any applicable certification. Also print the name and title of the person signing Form 8038-GC.

Paid Preparer

If an authorized representative of the issuer filed in its return, the paid preparer's space should remain blank. Anyone who prepares the return but does not charge the organization should not sign the return. Certain others who prepare the return should not sign. For example, a regular, full-time employee of the issuer, such as a clerk, secretary, etc., should not sign.

Generally, anyone who is paid to prepare a return must sign it and fill in the other blanks in the *Paid Preparer's Use Only* area of the return.

The paid preparer must:

- Sign the return in the space provided for the preparer's signature,
- Enter the preparer information, and
- Give a copy of the return to the issuer.

Paperwork Reduction Act Notice

We ask for the information on this form to carry out the Internal Revenue laws of the United States. You are required to give us the information. We need it to ensure that you are complying with these laws.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by section 6103.

The time needed to complete and file this form will vary depending on individual circumstances. The estimated average time is:

Learning about the law or the form	4 hr., 45 min.
Preparing the form	2 hr., 22 min.
Copying, assembling, and sending the form to the IRS	2 hr., 34 min.

If you have comments concerning the accuracy of these time estimates or suggestions for making this form simpler, we would be happy to hear from you. You can write to the Internal Revenue Service, Tax Products Coordinating Committee, SE:W:CAR:MP:TP:SP, 1111 Constitution Ave. NW, IR-6526, Washington, DC 20224. Do not send the form to this address. Instead, see *Where To File* on page 1

CERTIFICATE OF THE FISCAL OFFICER FOR A MUNICIPAL OR COUNTY TRANSACTION IN THE STATE OF OHIO

I do hereby certify that:

a) I am the Fiscal Officer of the _____ ("Lessee") and;

b) I have reviewed Lease Agreement no. _____ and that the amount required to meet the obligation in the fiscal year in which the contract is made has been lawfully appropriated for such purpose and is in the treasury or in process of collection to the credit of an appropriate fund free from any previous encumbrances.

FISCAL OFFICER

By:_____

Printed Name:_____

Date:_____

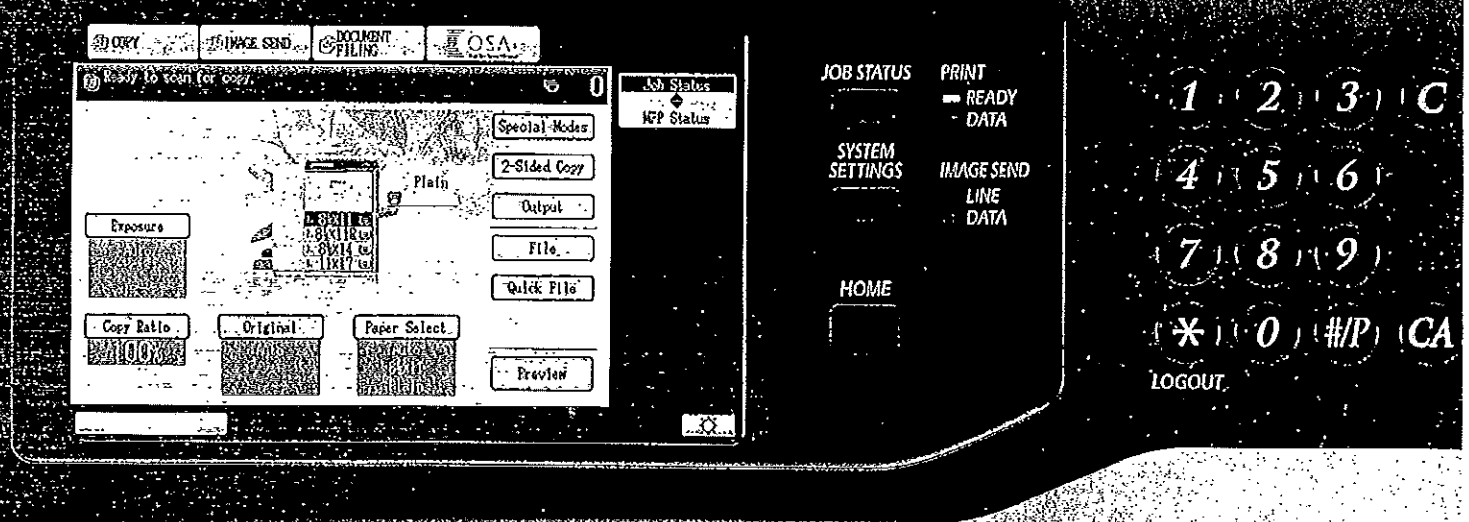
SHARP

ADVANCED MONOCHROME WORKGROUP DOCUMENT SYSTEMS

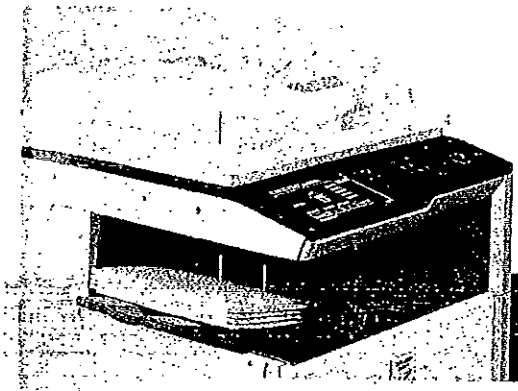
MX-M503
MX-M453
MX-M363
MX-M283

MX-M503/M453/M363/M283

Precision engineered to help increase workflow efficiency and [illegible] image quality, Sharp's MX Monochrome Series workgroup [illegible] you to the next level in MFP performance and productivity. A [illegible] **touch-screen color display** with graphical menu navigation [illegible] **retractable keyboard** to simplify data entry are just two of the [illegible] features offered by these models. The powerful true multi-tasking [illegible]



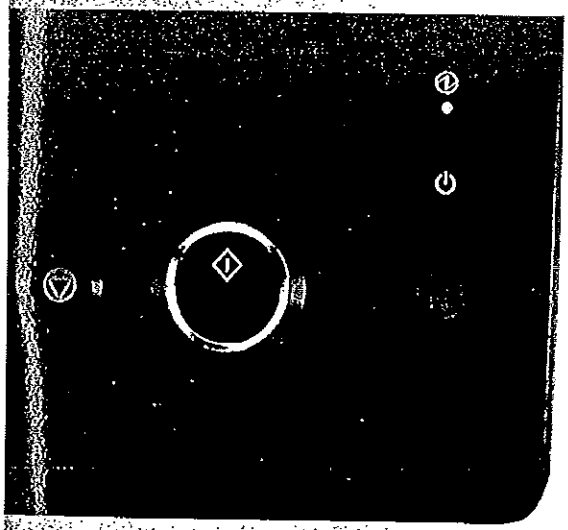
enables MX Monochrome Series users to save time and money while [illegible] professional documents in-house — robust performance [illegible] Sharp's advanced device management makes it easy to [illegible] With the latest **Sharp OSA** development platform [illegible] has never been easier. And, to safeguard the [illegible] property, Sharp's industry-leading security [illegible]



Sharp's MX Monochrome Series workgroup document systems offer advanced features to enhance productivity and improve workflow

ENGINEERED FOR PERFORMANCE

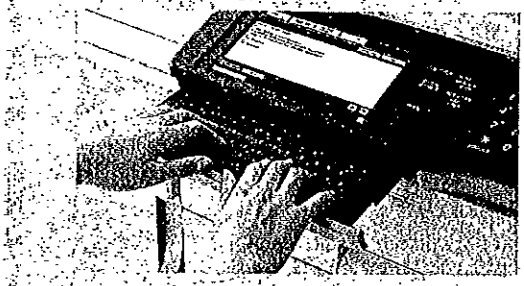
FLEXIBILITY
PRODUCTIVITY
INTEGRATION
USER-FRIENDLY



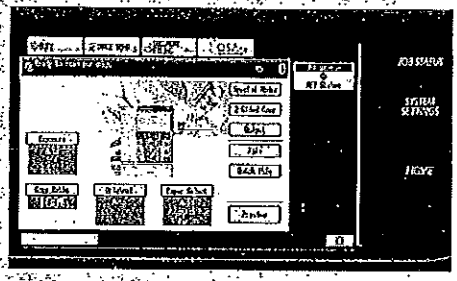
- Large, **high resolution touch-screen** color display with graphical navigation (N models)
- Advanced second generation micro-fine toner technology offers crisp, **high quality images** page after page
- Standard 100-sheet duplex single pass document feeder with color **Scan²™** technology (N models)
- **1200 x 1200 dpi** printing provides clear, crisp images, even on jobs with fine detail (N models)
- Network interface supports **gigabit ethernet**
- Industry-leading **ImageSEND™** function scans documents to USB devices, network folders, e-mail and more (N models)
- Robust 38GB **document filing system** with **thumbnail view** and **image preview** features (N models)
- Standard PCL®6/PCL5e **printing system** with **direct print** function and available Postscript® 3™ and Windows® XPS options (N models)
- Sharp OSA development platform with standard application communication module (N models) enables businesses to streamline document workflow and **enhance productivity***
- ImageSEND function scans documents at up to **70 images per minute** in both black and color (N models)
- **Flexible paper handling** system feeds up to 110 lb index through the paper trays
- On-board paper storage capacity for **up to 5,600 sheets** with options
- **Super G3 fax** option with intelligent inbound routing
- Supports Sharp's latest **award-winning** multi-level document and network **security suite**, which conforms to the new **IEEE-2600™ - 2008 security standard** for MFP devices*
- Advanced **web-based device management** offers both administrator level and user level login control
- **Remote front panel feature** allows users and administrators to view and control machine operations from a PC workstation*
- **Environmentally-friendly design** offers low power consumption, long-life parts and is supported by Sharp's toner recycling program

*Some features may require optional equipment.

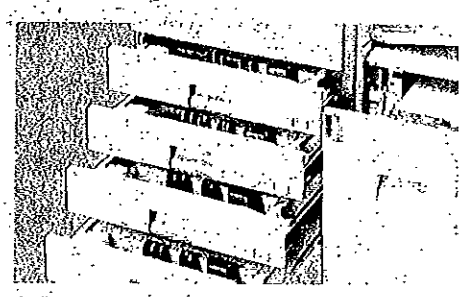
INNOVATION THAT BOOSTS PRODUCTIVITY



Standard retractable keyboard makes data entry quick and easy (N models).



Large 8.5" (diagonally measured), high-resolution touch-screen display (N models).



On-line paper capacity stores up to 5,600 sheets with options.

Get on the fast track in today's competitive business environment with Sharp's powerful and dynamic MX Monochrome Series

Award-winning Retractable Keyboard Offers Added Convenience
For workgroups that perform a significant amount of data entry, the MX Monochrome Series document systems include a standard retractable keyboard (N models). Designed to simplify e-mail address and subject line entries, as well as repetitive scanning tasks and user authentication, the built-in keyboard offers users a familiar ergonomic interface.

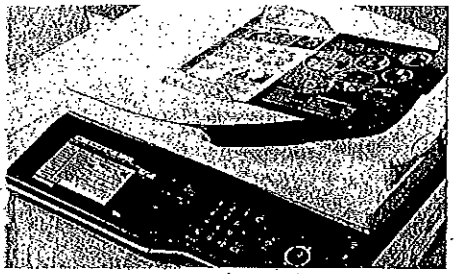
"Outstanding Achievement for Innovation" Award 2008

The Flexibility and Performance You Need
With a large 8.5" (diagonally measured) **high-resolution touch-screen color display** (N models) and a powerful true **multi-tasking controller**, the MX-M503/M453/M363/M283 workgroup document systems can help elevate your office productivity to the next level. The intuitive menu navigation system with razor-sharp graphics makes operating the MX simple and easy. With Sharp's true multi-tasking controller, complex print jobs can be processed quickly, even while documents are being scanned. But that's just the beginning–with a **standard 100-sheet dual-head scanning document feeder** (N models), automatic duplexing, electronic sorting and integrated offset stacking, you'll complete even large jobs in a snap.

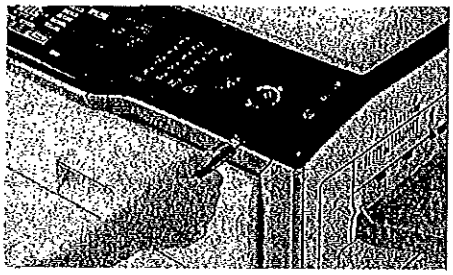
High Quality Output You Can Rely On
The MX Monochrome Series document systems combine Sharp's second generation micro-fine toner technology with **1200 x 1200** dpi print resolution (N models) to produce documents with crisp, clear images and high quality detail.

Reliability Your Business Can Depend On
Sharp's MX Monochrome workgroup document systems deliver professional performance and optimal productivity to satisfy your daily production needs. Copy/print **speeds up to 50 ppm** help you meet project deadlines with time to spare. The flexible paper handling system can feed up to 110 lb index stock through the paper trays. With available on-line paper capacity of up to 5,600 sheets, the MX Monochrome Series is ready when you are.

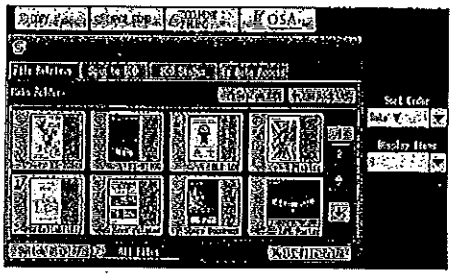
ADVANCED WORKFLOW MANAGEMENT



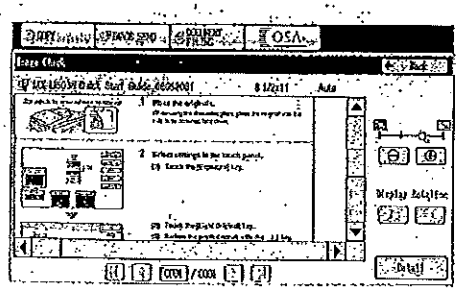
For optimal productivity, Sharp offers award-winning Color Scan² technology (N models).



USB 2.0 port is located on the front panel of the machine for easy access.



Sharp's easy-to-use document filing system with Thumbnail Preview (N models).



Sharp's Image Check feature allows users to preview stored documents at the device (N models).

*Some features may require optional equipment.

User-friendly features help increase document workflow efficiency and productivity to optimize day-to-day operations

Speed up your Workflow with Sharp's Innovative Color Scan² technology
Sharp's advanced 100-sheet document feeder with dual reading heads can scan 2-sided documents in a single pass, dramatically improving productivity and reliability (standard on N models). Now you can process even large-scale jobs with incredible efficiency.

scan²

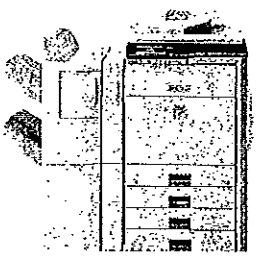
A True Multi-Tasking Document System
The MX-M503/M453/M363/M283 feature a **high-performance, true multi-tasking controller** that delivers copy, fax and print jobs continuously for optimum efficiency.* Some controllers only perform one operation at a time. But the MX Monochrome Series continually processes incoming jobs even while existing jobs are output. The result? A workflow that virtually never slows down—even at crunch time.

Direct USB Printing Adds Convenience and Portability
With Direct USB printing, users can print files in a variety of popular formats directly from USB memory devices such as a ThumbDrive™ or ClipDrive™.* Need to print PDF brochures in a hurry for a big meeting? It's easy with the MX Monochrome Series. Just plug in your portable USB memory device, select the file, and print.*

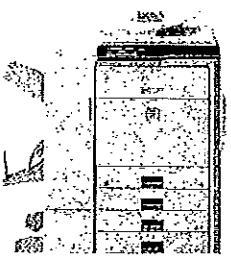
Innovative Document Filing
Sharp's easy-to-use **Document Filing System** provides up to 38GB of hard drive space to store frequently used files such as forms, reports and other commonly used documents for printing and distribution.* Plus, with private storage features and **PIN-code access**, you can store sensitive documents securely. And, with Sharp's **Quick File Folder**, you can temporarily store documents with fast, one-touch simplicity. An easy-to-use backup system helps ensure your files are safe.

To make managing all of your stored jobs simple, the MX touch-screen display offers an intuitive **thumbnail view** to allow walk-up users to easily locate stored jobs even if they don't know the filename (N models). For added convenience, an advanced **Image Check** feature allows selected files to be previewed on-screen—walk-up users can even zoom in, change print attributes or move a file to another folder (N models). With storage capacity for up to 5,500 pages, your document workflow can improve significantly.

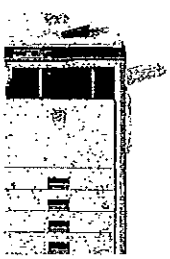
Get Professional Results with Advanced Finishing
The MX-M503/M453/M363/M283 offer a choice of three high-performance finishers that can give your documents a professional look and feel. Choose from a compact inner finisher, a floor-standing saddle-stitch finisher or a large capacity 4K stacking finisher. All three models offer three-position stapling and an available 3-hole punch.



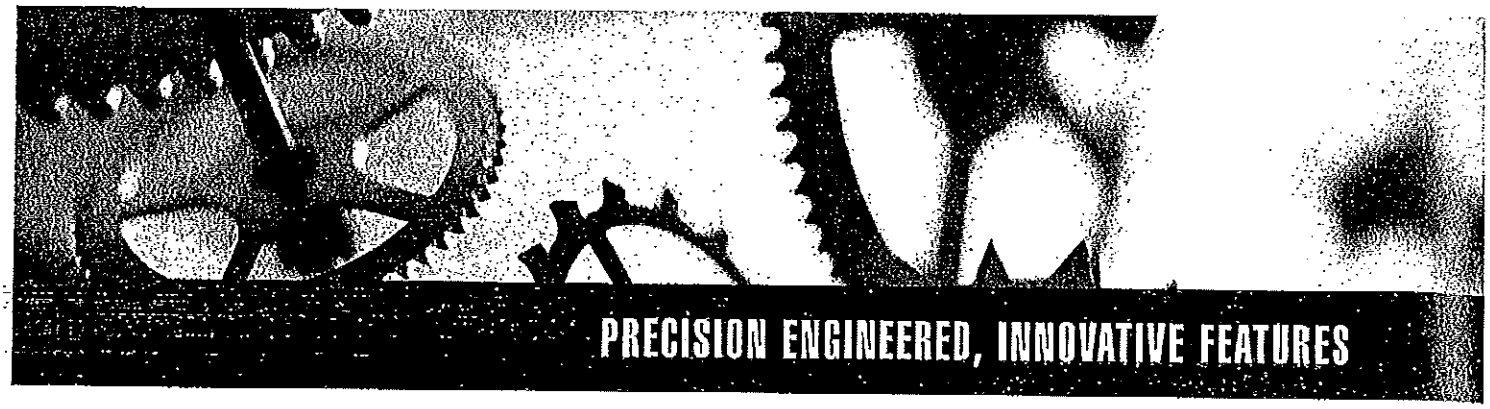
MX-M503N with 4K stacking finisher and punch unit

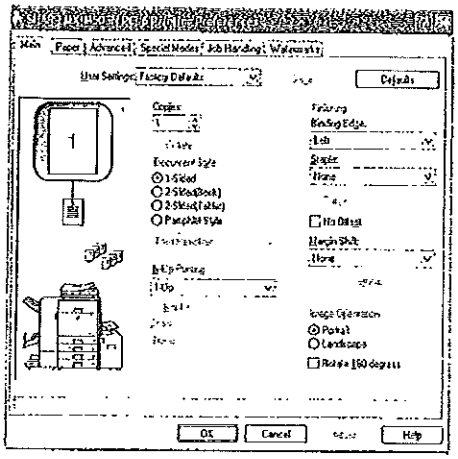


MX-M503N with saddle stitch finisher

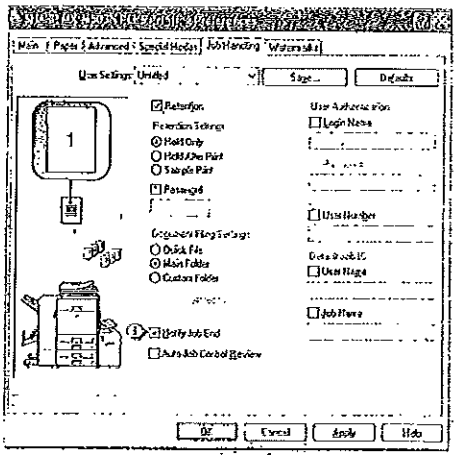


MX-M503N with compact inner finisher





Sharp's intuitive print drivers make accessing all of the MX print features quick and easy.



*With Sharp's advanced job handling features, users can easily retain print jobs on the MX hard drive for reprinting at a later date.**

Stay out front with robust, easy-to-use print drivers to help maximize document workflow efficiency in any business environment

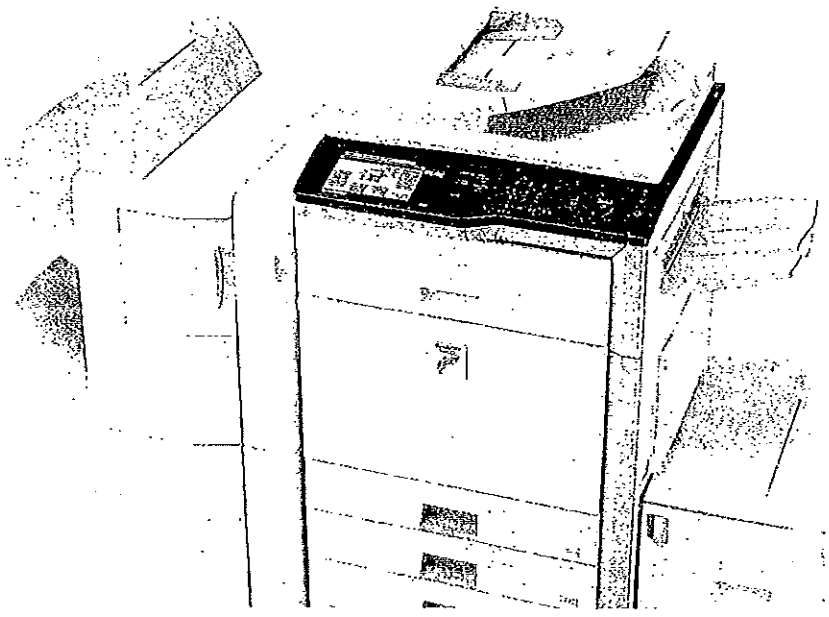
Exceptional Print Quality with Professional Output

With the MX Monochrome Series, your business can produce razor-sharp B&W documents. Plus, with **1200 x 1200 dpi resolution,** (N models) even documents with fine detail will look great! Sharp's easy-to-use print drivers allow users to set up even complex jobs with just a few mouse clicks. Simple plug-n-play operation makes it easy to take advantage of advanced feature sets in a snap. Special functions like Tab Paper Print, Chapter Inserts and Carbon Copy Print allow you to quickly produce a variety of document types.

The **optional Postscript driver** delivers extensive finishing features that include three-position stapling for up to 50 sheets, saddle stitch finishing for up to 15 ledger size pages and three-hole punching.* Now you can produce professional quality documents from your desktop that look so good, everyone will think you had them sent out to a printer.

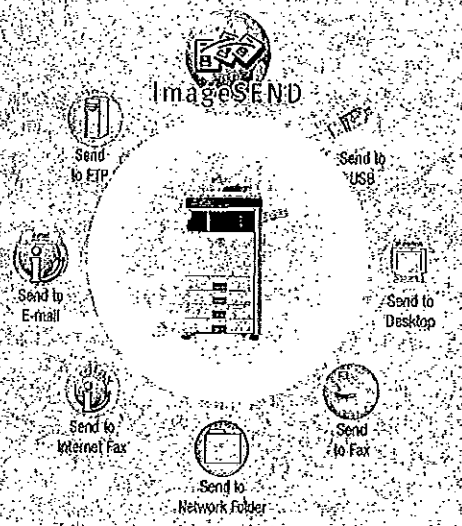
Advanced Job Retention Features Enhance Productivity

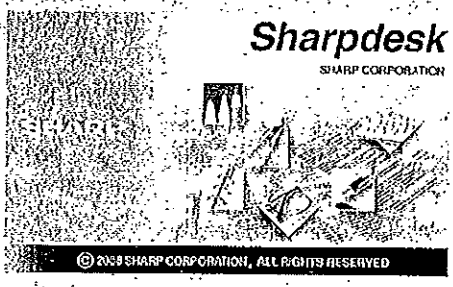
Sharp's innovative printing system makes it easy for any business to store and archive print jobs.* With the ability to retain jobs on the MX hard drive, documents can be stored and reprinted again and again by walk-up users or through the **embedded web page.*** Print jobs can even be sent to the MX for archiving without printing them! Need to store sensitive documents? No problem! Users can assign a password right from the print driver or from the MX operation panel!



*Some features may require optional equipment.

FLEXIBLE DOCUMENT DISTRIBUTION





Intuitive desktop display features thumbnail viewing and file search allows searching by file name, keyword, or thumbnail.

In today's fast-moving business environments, you need every advantage you can get–Sharp's new MX Monochrome document systems give you the edge

Integrated Network Scanning
With Sharp's powerful **ImageSend** technology, you get one-touch distribution features that centralize document workflow, reduce mail costs and save time. With up to **seven destinations**—E-mail, Desktop, FTP, Network Folders (SMB), USB, Fax and Internet Fax—getting your document where it needs to go is as easy as pushing a button. High-volume workgroups will appreciate the **Send to Group** mode that allows you to mix group broadcast to E-mail, Fax, and Internet Fax for increased efficiency.*

Convenient E-mail Distribution
With Lightweight Directory Access Protocol (LDAP), there's no need to manually enter a recipient's complete e-mail address. Simply enter the first few characters and the MX automatically searches and displays a list of matching names. **Unique File Naming** allows users to enter specific file names with custom subject fields, so it's easier than ever to recall files when you need them. And, with **Sharpdesk®** personal document management software, users can easily organize their scanned documents and integrate them into everyday workflow.*

Sharpdesk for Total Document Management
Powerful, flexible and intuitive, Sharpdesk personal document management software enables you to easily manage all of your scanned documents. Easy-to-use tools help you organize, edit, even combine scanned files, for maximum productivity. The innovative **Search and Index feature** provides sophisticated tools that enable you to retrieve archived documents with incredible simplicity.

Integrated Super G3 Fax and Internet Fax
Add powerful facsimile capability to your MX monochrome Series with the optional Super G3 fax module, which offers advanced features such as automatic stapled/copied receptions and Inbound Fax Routing to e-mail. Sharp's innovative **PC fax driver** enables users to send fax documents right from their desktop. For Internet Fax operation, add the optional B&W Internet Fax expansion kit.

SUPER G3

*Some features may require optional equipment.

GET MORE OUT OF NETWORK APPLICATIONS

OSA®
Sharp Open Systems Architecture

Sharp OSA® technology at a glance

- *Automate tasks and save time with seamless integration between the MX-M503/M453/M363/M283 and network applications*
- *Centralized applications minimize set-up and installation on multiple Sharp products*
- *Virtually eliminates repetitive tasks and streamlines workflow, increasing efficiency*
- *Maximize your return on investment with tighter integration among IT assets*
- *Industry standard programming leads to faster deployment of new solutions*

2009 BLI's Best

"Best Device Management and Integration Technology for MFP Series" Award 2009

To help streamline document workflow and enhance productivity, the new MX Monochrome Series supports the Sharp OSA platform

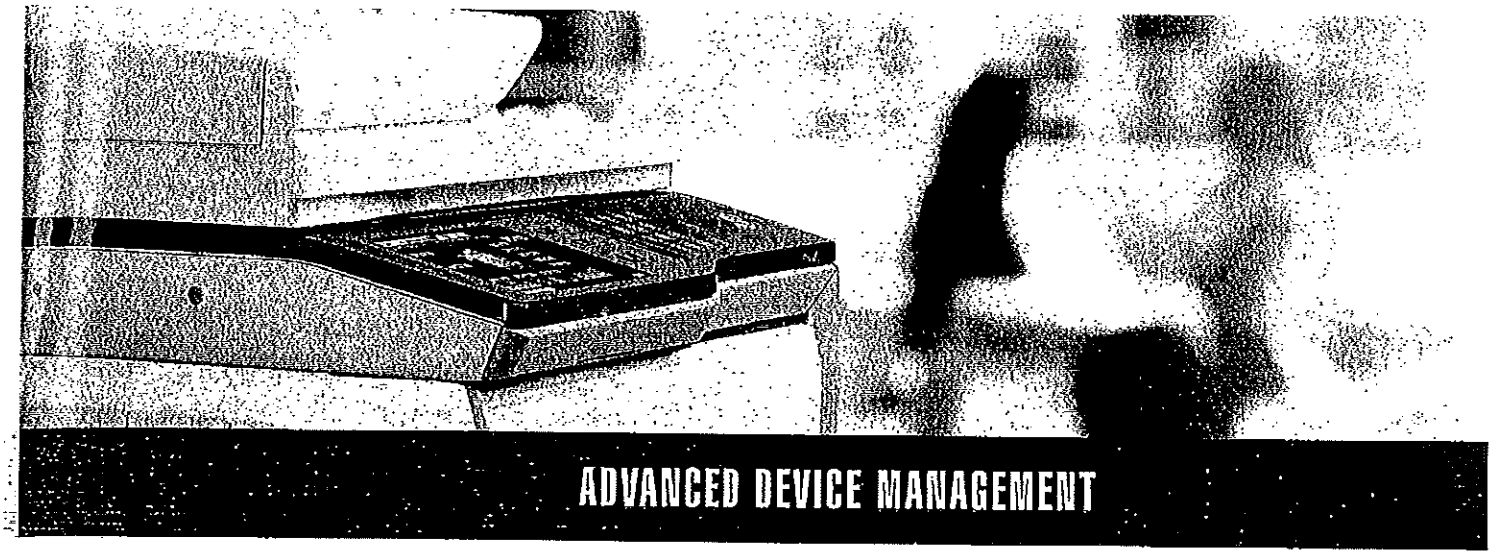
Versatile Application Integration
The MX-M503/M453/M363/M283 document systems provide powerful functionality for your business so you can immediately leverage your previous investments in data management infrastructure.* While others are limited to a small circle of productivity, Sharp's newest innovation, the Sharp OSA development platform, allows users to leverage the power of their back-end systems right from the control panel. It's really a new way of thinking with "power at the panel" for automation of tasks and a streamlined workflow.

Save Time, Increase Efficiency
You'll save time and increase the efficiency of everyday tasks with Sharp OSA technology because it can be virtually seamless to the user. Any MX-M503/M453/M363/M283 anywhere in the organization can display choices that were once only available on a desktop PC. With one-touch access to business applications via Sharp OSA integration, you can start and finish a document distribution task without worry.

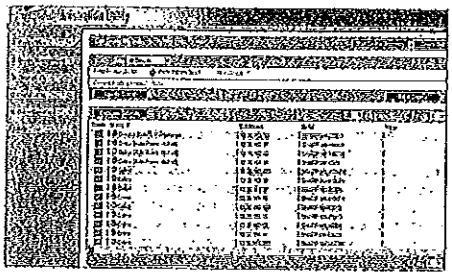
Complement Your Infrastructure
The Sharp OSA development platform is the logical choice as a complement to your existing infrastructure. With the **standard application communication module** (N models), the new MX Monochrome Series becomes the gateway to providing fast, flexible access to documents and applications... no matter where you are in the office. Optionally you can get the controlled access and tracking ability you require with tighter integration capabilities for network security and accounting applications. With such comprehensive control, you'll be able to manage your document workflow easily, efficiently, and more securely.

Customized Technology
Sharp OSA technology also provides customization. With the ability to personalize applications and processes specific to your business, Sharp OSA technology can help eliminate redundancy and streamline workflow, helping to save time and optimize productivity. And since Sharp OSA technology utilizes industry-standard network protocols such as SOAP, XML, and XHTML, third party software developers can deliver customized solutions to your business faster than ever.

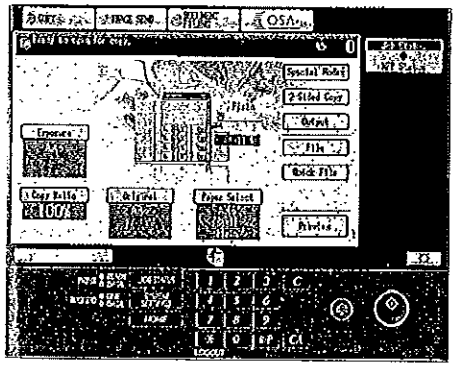
*Some features may require optional equipment.



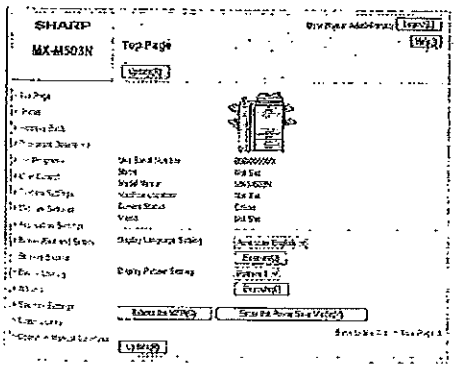
ADVANCED DEVICE MANAGEMENT



Printer Administration Utility



Remote Front Panel



Embedded Web Page

Engineered with you in mind, the MX Monochrome Series combines easy-to-use integrated software with robust capabilities

The Sharp Administration Utility Suite
Sharp's Administration Utility Suite takes management of your MX-M503/M453/M363/M283 to the next level. This easy-to-use software allows you to take control of the versatile system features and simplifies installation and management.

- With **Printer Status Monitor**, network users can view printer conditions, check paper levels, toner, and more—all through an easy-to-use interface.

- With Sharp's advanced **Printer Administration Utility**, administrators can easily manage the setup, configuration, device settings, cloning and more! New advanced features such as **Remote Front Panel** allow administrators and support personnel to view and control the LCD panel of the machine remotely from any PC on the network!* Plus, with event-driven, real-time service alerts, administrators and supervisors can achieve higher productivity. Now, it is easier than ever to view service logs, click counts, history reports and more.

- Experience the convenience of an **Embedded Web Page** right from your desktop! This advanced web-based management tool allows users to create and manage their own network scanning destinations, profiles and web-links. Administrators can access device settings, color control, account information and security settings.

Take Charge of Usage and Costs
With Sharp's **device management system**, administrators and supervisors can define user groups on the MX to manage and restrict features, such as copying, scanning or printing. Easily set up a custom user group to manage page counts (copy, print, scan or fax operations). The MX-M503/M453/M363/M283 can store **profiles for up to 1,000 users.**

24/7 Training with My Sharp
Managing all of the advanced features of your Sharp product is simple and easy. Ask your Authorized Sharp Dealer about **My Sharp.** This dedicated customer training website is customized to your MX-M503/M453/M363/M283 and allows you to locate resources and find information specific to your configuration, truly helping you maximize your investment.

my™
SHARP

**Some features may require optional equipment.*

HEIGHTENED SECURITY

"Most Secure MFP Range" Award–6th Consecutive Year

PRIVACY

AUTHORIZATION

CONFIDENTIALITY

PROTECTION

Innovative document and device protection helps ensure confidentiality

To help protect your data, the MX Monochrome Series offers several layers of security, making Sharp the optimum choice to protect employee privacy and intellectual property. As the leader in office equipment security, Sharp makes it easy for any business or government entity to safely deploy digital copying, printing, scanning and faxing.

Authority Groups and Access Control
Advanced account management enables administrators to set authority groups for access to features of the MX Monochrome Series. Administrators can control which department, for instance, has full access to copying, printing, scanning and/or fax. Walk up users enter a code, Local Name and Password, or LDAP User Authentication to access their features assigned to their group. Users can also login utilizing a human interface device (HID) such as a Smartcard or Common Access Card (CAC).*

Data Erase and Encryption*
To help protect your data, the MX Monochrome Series offers an optional data security kit that encrypts document data using **AES** (Advanced Encryption Standard) **encryption.** Additionally, the data security kit erases the temporary memory on the hard drive by overwriting the encrypted data up to seven times, offering an unprecedented level of assurance. Additionally, the data security kits for these models comply to the new IEEE-2600-2008 security standard for MFP devices. This new standard specifies security requirements and provides a new international reference to assess contemporary MFP security.

Network Scanning Access
To help protect your network from unauthorized e-mail communications, the MX Monochrome Series supports **User Authentication**, requiring users to login before performing any network scanning operations.

Control Device Access Over the Network
To help restrict access to the device over the network, the MX Monochrome Series offers IPsec, SMB and extended support for **SSL Encryption** (Secure Sockets Layer), **IP/MAC address filtering,** IEEE 802.1x authentication, protocol enable/disable and port management for maximum security.

Documents Remain Confidential
To help protect your printed documents from unauthorized viewing, the MX Monochrome Series offers encrypted PDF files for printing and scanning as well as **Confidential Printing** that requires users to enter a PIN code in order to print a queued document. Additionally, **Secure Fax Release** ensures received fax documents are held in memory until an authorized user enters a PIN code. So compliance with healthcare regulations such as HIPAA is easier.

Tracking and Auditing Information
Legislation and industry policies require companies to be more aware of information flow from their offices. Sharp offers both built-in and additional hardware/software which allows users to control, access and track usage of each device on the network.

These scalable security offerings aim to protect your intellectual property, preserve confidential information and help your business to meet regulatory requirements, such as the Health Insurance Portability and Accountability Act (HIPAA), and the Gramm Leach Bliley Act (GLB). For additional information visit: *www.sharpusa.com/security.*

**Some features may require optional equipment.*

ENVIRONMENTALLY FRIENDLY

Sharp's ongoing commitment and dedication to developing eco-friendly document systems set a high standard for the industry

Designed with a Strong Commitment to Protecting the Environment
The MX Monochrome Series document systems utilize Sharp's second generation micro-fine toner technology, which offers a lower consumption rate than conventional toners. This also results in less packaging material and longer replacement intervals. Additionally, all Sharp supplies are packaged using fully recyclable materials. Power consumption on the MX Monochrome Series is among the lowest in the industry and supports two different energy saving modes to reduce or shut off power after a set interval. All Sharp document systems belong to the EnergyStar® program, and RoHS program.

An Economical, Low Maintenance Document System That Makes Sense
The MX Monochrome Series is designed to accommodate both large and small office environments. With a compact wingless design, the footprint of each base model is less than 25" x 27". Our new long-life consumable parts and supplies minimize service intervals and down time, resulting in lower operating costs.

Sharp's Environmental Leadership
Reinforcing our commitment to the environment, in 2007, Sharp received the *Excellence In Partnership* **Green Contractor Award** and the **Evergreen Award** from the U.S. Government's General Services Administration and the Coalition for Government Procurement.

The Green Contractor Award recognizes contractors that have made the best overall commitment to the environment by offering environmentally friendly products and services or adhering to environmentally sound manufacturing procedures. The Evergreen Award identifies environmentally-friendly businesses and their efforts in recycling and waste reduction practices. Please visit *www.sharpusa.com/environment* to learn more about our environmental leadership.

Toner Recycling Program
As part of our commitment to preserving the environment, Sharp offers customers a toner recycling program for all Sharp copiers and MFP products. Sharp encourages customers to recycle their used toner cartridges by providing a pre-paid shipping label for their return to our facility. Please visit *www.sharpusa.com/recycle* to learn more.

MX-M503/M453/M363/M283 SPECIFICATIONS

Main Specifications

MX-M503N/M453N	Includes 8.5" Color Display, Standard Copying, PCL6 Network
M363N/M283N:	Printing, Network Color Scanning, Document Filing, 100-sheet DSPF (except MX-M283N), Auto Duplex, 2 x 500-sheet Paper drawers, 100-sheet Bypass tray & 80GB Hard Drive.
MX-M503U/M453U/ M363U:	Includes 8.1" Mono Display, Standard Copying, 100-Sheet RSPF, Auto Duplex, 2 x 500-sheet paper drawers, 100-sheet Bypass tray
Type	Multi-Function digital document system
Functions	Copy, print, network print, network scan, document filing and fax[2]
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Heat Roller fusing/Xenon lamp exposure
Originals	Sheets and bound documents
Max Original Size	11" x 17"
Copy Size	Min. 5 ½" x 8 ½", Max. 11" x 17"
Copy Speed	MX-M503N/U 50 ppm; MX-M453N/U 45 ppm; MX-M363N/U 36 ppm; MX-M283N 28 ppm (8 ½" x 11")
Multiple Copy	Max. 999 copies

First Copy Time (Seconds)[3]		MX-M503	MX-M453	MX-M363	MX-M283
	Platen Glass	3.9 sec	3.9 sec	4.6 sec	4.6 sec
	RSPF	9.3 sec	9.3 sec	10.1 sec	10.1 sec
	DSPF	8.8 sec	8.8 sec	9.5 sec	—

Warm Up Time	20 Seconds or less[3]
Magnification	25% to 400% in 1% increments (RSPF/DSPF 25%-200%)
Original Feed	100-Sheet RSPF: MX-M503N/M453N/M363N/M283N 100-Sheet DSPF: MX-M503N/M453N/M363N
Scan Speed	RSPF Copy: Up to 50 IPM @ 600 x 400 dpi; 39 IPM @ 600 x 600 dpi / DSPF Copy: Up to 70 IPM @ 600 x 300 dpi. RSPF Scan: Up to 50 IPM @ 200 x 200 dpi / DSPF Scan: Up to 70 IPM @ 200 x 200 dpi.
Original Sizes	5 ½" x 8 ½", 8 ½" x 11", 8 ½" x 11"R, 8 ½" x 14", 11" x 17"
Paper Feed System	Standard: (2) 500-sheet drawers (letter/legal/ledger/statement) and 100-sheet bypass tray (letter/legal/ledger/statement/envelope). Optional: (1) 500-sheet paper drawer (letter/legal/ledger/statement size) or (2) 500-sheet paper drawers (letter/legal/ledger/statement size) and 3500-sheet large capacity tray (letter size).
Paper Types	Paper drawers/Bypass tray: 16 lb. bond-110 lb. Index; other paper types include plain, pre-printed, recycled, pre-punched, letterhead and color paper. Bypass tray also supports: 13-16 lb. bond (thin paper), 20-24 lb. bond (Monarch/Com-10 envelope), tab paper (letter size only); other types include label paper and OHP film. Large capacity tray: 16-28 lb. bond.
Duplexing	Standard automatic duplex copying and printing
CPU	MX-M503N/M453: 667 MHz, MX-M363N/M283: 533 MHz
Interface	RJ-45 Ethernet (10/100/1000Base-T), USB 2.0 host/device
Memory	Copy: 640MB (320MB U models); Print/scan: 1GB
Hard Disk Drive	80GB; 38GB for document filing system (N models)
Copy Resolution	Scan: B&W/color: 600 dpi; Copy Output: B&W: 1200 dpi (N models)
Exposure Control	Modes: Automatic Text, Text/Photo, Text/Printed Photo, Printed-Photo, Photo, Map. Settings: auto or 9 step manual.
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once Print-Many, electronic sorting, offset-stacking, Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), auto tray switching, rotation copy, reserve copy, tandem copy, book copy, margin shift, tab-paper insertion, edge erase, center erase, dual page copy, cover pages, insert pages, OHP insertion, job build, card shot, multi-page enlargement, reverse image, black-white reversal, centering, proof copy, 2-in-1/4-in1, pamphlet, photo repeat, document filing, account management, job programs, date/character/page stamp.
Account Control	Up to 1000 users. Supports user-number authentication (on device), login name/password (on device) or login name/password (on device via LDAP server) for Copy, Print, Scan, Fax and document management.
Output Tray Capacity	Main output tray (top) 400 sheets (face down); optional exit tray (right side) 100 sheets (face down)
Firmware	Flash ROM with local (USB) and network update capability
Configuration Method	Web-based management system with user/administrator level login security, clearing (1 to N) with PAU and remote front panel access
Service/Maintenance	Remote front panel and remote service logs
Power	AC 100-127 VAC, 60Hz, 12 Amps
Power consumption	All models Approx. 1.44kW
Weight	All models Approx. 210 lbs.
Dimensions	All models Approx. 25 ½" (w) x 27 ½" (d) x 38" (h)

Network Printing System (standard on N models)

PDL	PCL® 6/PCL5e compatible, Optional Postscript® 3™, optional XPS
Resolution	1200 dpi x 1200 dpi (N models), 600 dpi x 600 dpi (U models)
Print Speed	28/36/45/50 pages per minute depending on model (8½" x 11")
Print Drivers	Windows® 98, Windows Me, Windows NT® 4 (with SP5 or later), Windows 2000, Windows Server® 2003, Windows Server 2008, Windows XP, Windows XP x64, Windows Server 2003 x64, Windows Server 2008 x64, Windows Vista™, Windows Vista x64, MAC OS®, 9.2.2, OS-X (including 10.2.8, 10.3.9, 10.4.11, 10.5-10.6.5), all MAC PPD, UNIX, Linux.[2]
Features	Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different cover page/ast page, transparency inserts, tab printing, carbon copy print mode, fit-to-page, poster print, margin shift, mirror image, watermarks, overlay, confidential print, confidential batch print, print hold, proof print, bypass printing, job priority printing, print job control, tandem printing and direct printing[1]
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, High Compression PDF, Postscript and XPS[2] Methods: FTP, Web page, E-mail and USB memory
Resident Fonts	80 outline fonts
Interface	RJ-45 Ethernet 10/100/1000 Base-T
Network Environments	Windows 98/ME, NT 4.0, XP, 2003/2008 Server, Vista, Novell® Netware® 3x to 6x, MAC OS 9, OSX 10 to 10.6.6), Sun® OS 4.1x, Solaris® 2x, UNIX®, Linux®, SAP, AS400, Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services.
Network Protocols	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPV3, 802.1x for Windows and UNIX. LPD and LPR for UNIX. IPX/SPX® (Novell environments). EtherTalk® and NetBELL AppleTalk® (Macintosh®).
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Nprinter
Network Security	IP/Mac address filtering, protocol filtering, port management, user authentication and document administration.
Security Standards	IEEE-2600-2008, DoD (NISTSSP) #11, DoD 8500.2, DoD (DISA)[2]

Network Scanning System (standard on N models)

Max Original Size	11" x 17"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
Scan Modes	Color, monochrome, grayscale
Image Formats	Monochrome: TIFF, PDF, Encrypted PDF, XPS[1] Color (N models only): Grayscale, Color TIFF, JPG, PDF, Encrypted PDF, High Compression PDF,[2] XPS[2]
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MMR) Color/Grayscale (N models only): JPG (high, medium, low), High Compression PDF[1], Internet FAX mode: MH/MMR (option)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Internet/G3 fax (options)
One-touch Dial	Up to 1000 (combined scan destinations)
Group Destinations	Up to 500
Programs	Up to 48 (combined)
Max. Jobs in Memory	Up to 94 (N models), up to 47 (U models)
Network Protocols	TCP/IP, SSL (HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP, 802.1x
Network Security	E-mail server user authentication for LDAP and Active Directory
Software	Sharpdesk® document management software (1 user license)
Sharp OSA Platform	Application Communication Module (MX-AMX2) Standard

B&W Super G3 Fax Kit (option)

Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS[3]
Compression	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
TX Resolution	400 dpi (max.)
Transmit Speed	Approximately 2 Seconds with Super G3/JBIG[4]
Auto Dialing	Up to 1000 (combined scan destinations)
Group Dial	Up to 500
Inbound Routing	Forwards received fax data to E-mail
Long length Originals	Up to 31.5" (for transmission)
Programs	Up to 48 (combined)
Memory	8 (exclusive)
Halftone	256 levels
Features	Quick on-line transmission, direct transmission, F-Code transmission/reception, rotate transmission, anti-junk fax, stapla received faxes, secure fax release, out of paper reception, auto redial, 2-in-1 reception, duplex reception TX reports, and PC fax.

Inner Finisher (option)

Type	Built-in finisher (hole-punch unit option)
Output Capacity	500 sheets (letter/statement) or 250 sheets (ledger/legal size)
Stapling Media	Plain paper, (letter, legal, or ledger size)
Stapling Positions	1 front, 1 rear, or both
Power Source	Supplied from main unit
Stapling	Up to 50 sheets (letter size) or 30 sheets (legal, ledger or mixed)
Stapled Sets	30 bundles or 500 sheets (letter or statement size) or 30 bundles or 250 sheets (legal or ledger size)
Hole Punching	Optional hole punch unit MX-PNX1B (2 holes/3 holes)
Weight	Approx. 28.7 lbs.
Dimensions	25 ½" (w) x 29" (d) x 8 ½" (h) (with tray extended)

Saddle Stitch Finisher (option)

Type	Console finisher with dual exit trays (mounts on left side)
Output Trays	Upper tray: Offset stack tray Lower tray: Book tray for saddle stitch
Output Capacity	1000 sheets (letter/statement size) or 500 sheets (legal, ledger or letter-R size)
Stapling	Up to 50 sheets (letter/statement), 25 sheets (legal, ledger, mixed)
Output Delivery	Face down
Stapling Media	Plain paper, letter/legal/ledger size or mixed
Stapling Positions	1 front, 1 rear, or both
Saddle Stitch Function	Center stitch/folding (2 staples) letter/legal/ledger paper sizes. Up to 10 sets (11-15 sheets per set)/15 sets (5-10 sheets per set)/20 sets, Max. Sets (1-5 sheets per set).
Power Consumption	70 W or less
Hole Punching	Optional hole punch unit MX-PNX5B (2 holes/3 holes)
Weight	Approx. 88.18 lbs.
Dimensions	26" (w) x 25" (d) x 39" (h) (with tray extended)

4K Stacking Finisher

Type	Console stacking finisher with dual exit trays
Output Trays	Head position upper tray and offset stacking lower tray
Output Capacity	Upper tray: 1,550 sheets (letter size, non-stapled) Lower tray: 2,450 sheets (letter size, non-stapled)
Stapling	Three position; Up to 50 sheets (letter size)
Hole punching	Optional punch unit MX-PNX6B (2 hole/3 hole)
Power Consumption	Approx. 140W
Weight	Approx. 87 lbs.
Dimensions	Approx. 20 ½" (w) x 25 ½" (d) x 43 ½" (h)

Optional Equipment

MX-DEX8	Stand/1 x 500 Sheet Paper Drawer
MX-DEX9	Stand/2 x 500 Sheet Paper Drawer
MX-50A3D	Rolling Cabinet Base
MX-LCX1	Large Capacity Tray (requires MX-DEX8 or MX-DEX9)
MX-FNX9	Inner Finisher
MX-FN10	Saddle Stitch Finisher
MX-FN11	4K Stacking Finisher
MX-RBX3	Paper Pass Unit (Required for MX-FN10 or MX-FN11)
MX-PNX1B	3 Hole Punch Unit (for Inner Finisher)
MX-PNX5B	3 Hole Punch (for Saddle Stitch Finisher)
MX-PNX6B	3 Hole Punch Unit (for 4K Stacking Finisher)
MX-TRX2	Exit Tray Unit
MX-PB10	Printer Expansion Kit (U models)
MX-PB11	Printer Expansion Kit with Hard Drive (U models)
MX-PKX1	Postscript 3 Kit[1]
MX-PUX1	XPS Expansion Kit (Requires MX-SHP1GBXPS)
MX-SHP1GBXPS	1GB Memory Upgrade (Required for MX-PUX1)
MX-EBX3	Enhanced Scanner Compression Kit (N models only)
MX-FWX1	Internet Fax Kit[1]
MX-FXX2	Fax Expansion Kit
AR-PF1	Bar Code Font Kit[1]
MX-AMX1	Application Integration Module[1]
MX-AMX2	Application Communication Module[1]
MX-AMX3	External Accounting Module[1]
MX-NSX1	Network Scanner Expansion Kit
MX-FR14U	Commercial Data Security Kit (for models with Hard Disk Drive
MX-FR15U	Commercial Data Security Kit for models w/o Hard Disk Drive

Supplies

MX-500NT	Black Toner Cartridge
MX-500NV	Black Developer
MX-500NR	Drum

[1] Some features may require optional equipment.
[2] May vary depending on product configuration, machine settings and operating and/or environmental conditions.
[3] Actual transmission speed and time will vary based on line conditions
[4] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.

ImageSEND OSA SHARP

SHARP

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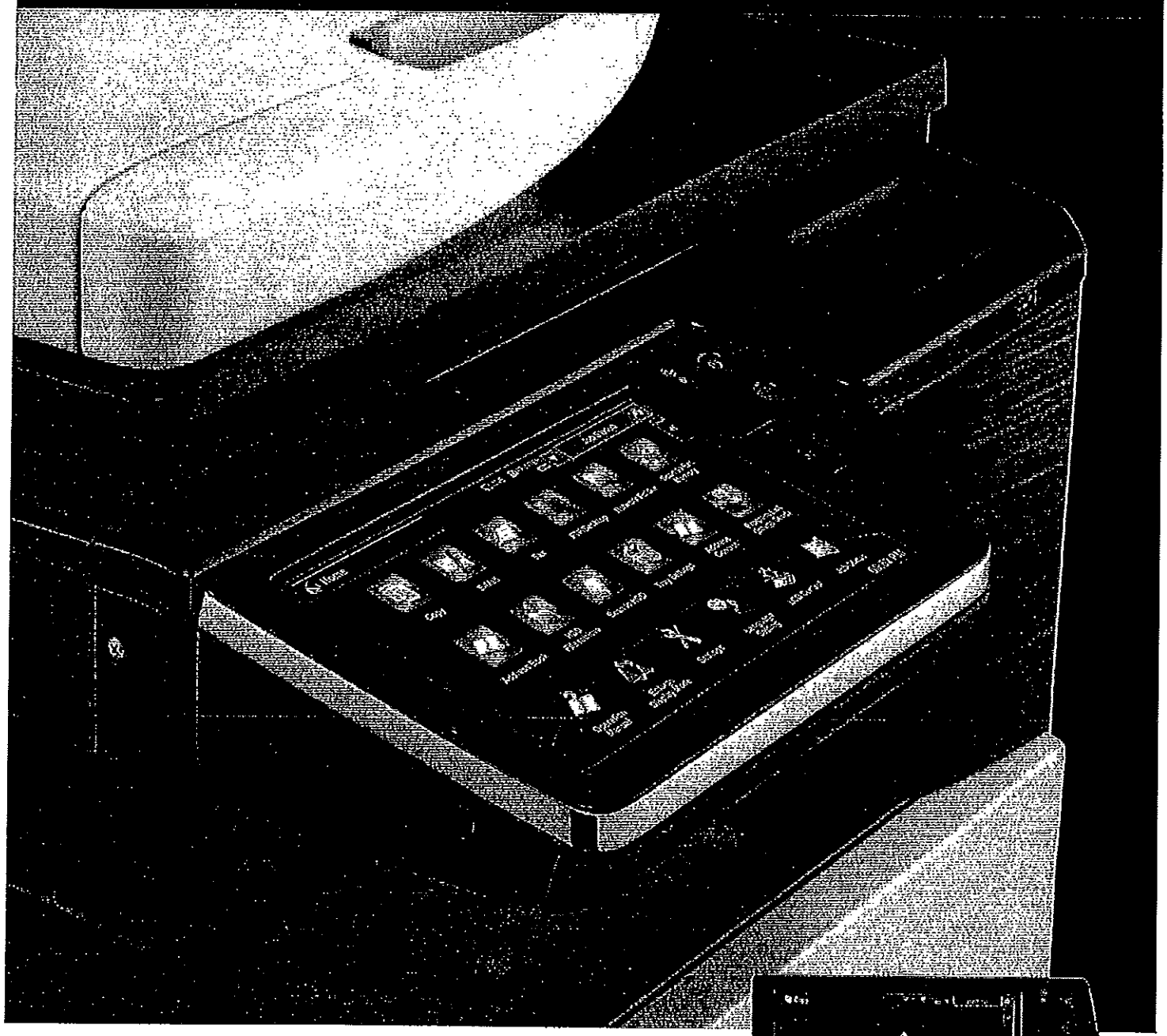
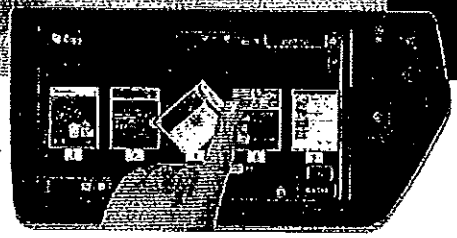
SHARP®

POWERFUL PERFORMANCE, ENHANCED OPERABILITY, ENERGY EFFICIENT





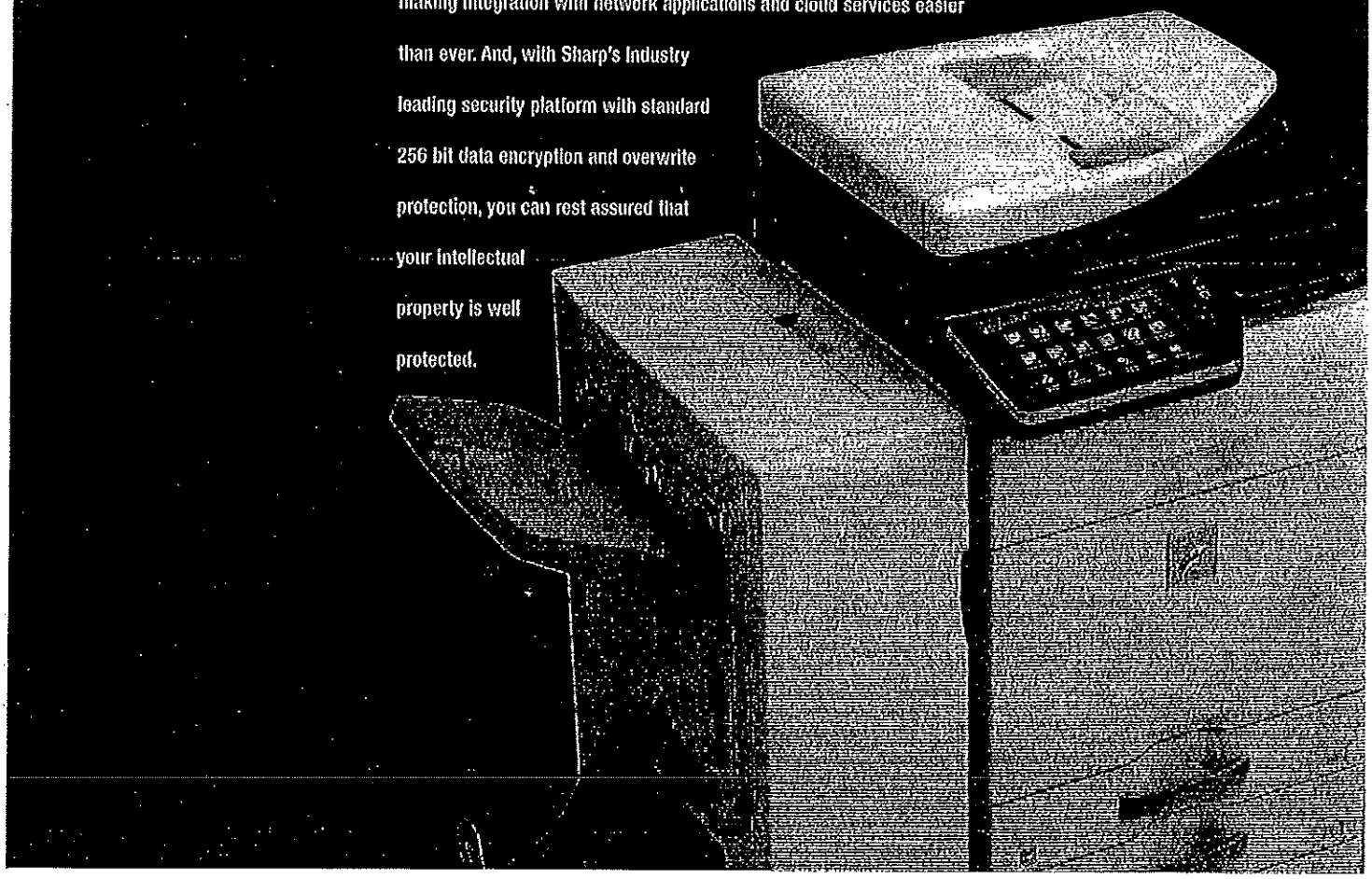
Drag and drop touch control for intuitive operation!

MX-2610N MX-3110N MX-3610N

A vision at work–MX-2610N/3110N/3610N–provides your business with the tools you need to gain the competitive advantage.

GROUNDBREAKING, FULL-COLOR LEDGER-SIZE DOCUMENT SYSTEMS

Sharp's new MX-2610N/3110N/3610N color series document systems combine the simplicity of touch-screen menu navigation with robust multi-tasking workflow features that can elevate your office productivity to new levels. A large 10.1" (diagonally measured) high-resolution tilting, touch-screen display offers groundbreaking real-time image preview with intuitive flick and tap editing to help ensure your documents are produced accurately and without waste. The new MX color series also offers many advanced features such as a fully customizable home screen, dynamic action menus that provide feature-specific guidance, and an available full-size retractable keyboard for easy data entry. Plus, with Sharp's enhanced second-generation micro-fine toner technology and true 1200 x 1200 dpi print resolution, the new MX series can help your business produce professional looking color documents in-house with breathtaking image quality that is also economical. The new MX-2610N/3110N/3610N color series has been built on the latest Sharp OSA® Development Platform, making integration with network applications and cloud services easier than ever. And, with Sharp's industry leading security platform with standard 256 bit data encryption and overwrite protection, you can rest assured that your intellectual property is well protected.



Engineered to deliver performance and productivity

Versatile

Multi-Functional

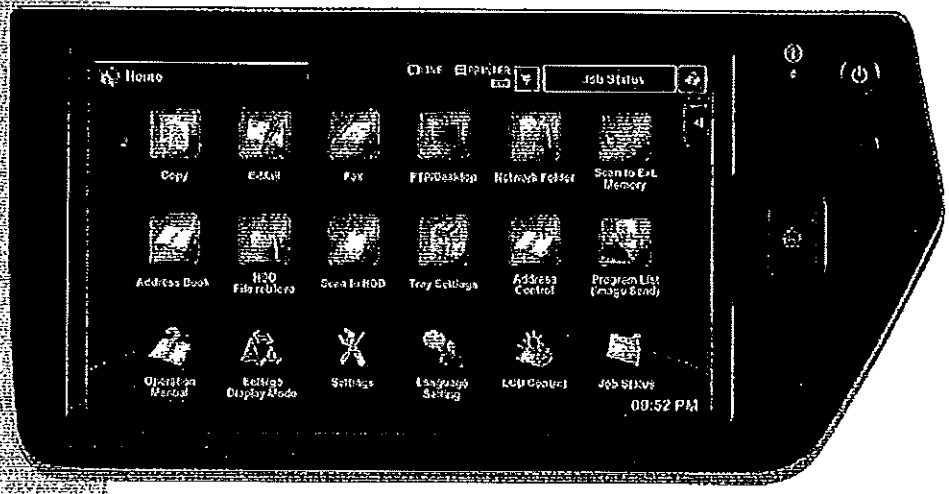
Powerful

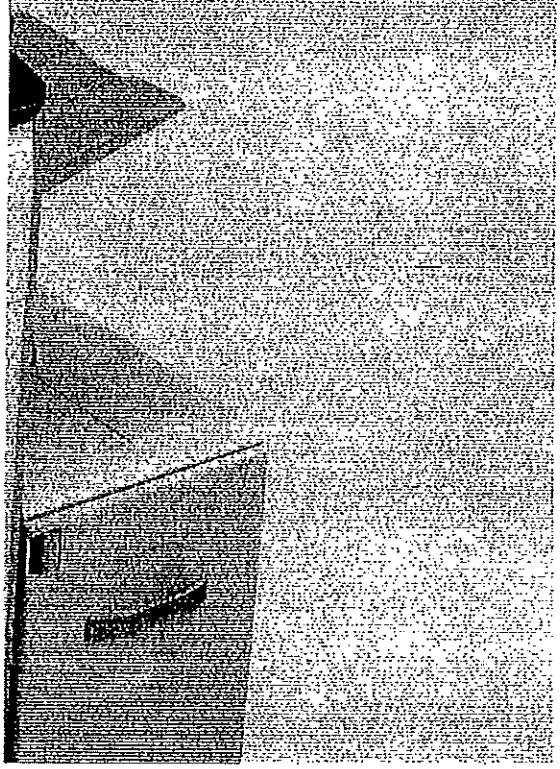
Multi-Tasking

Intuitive

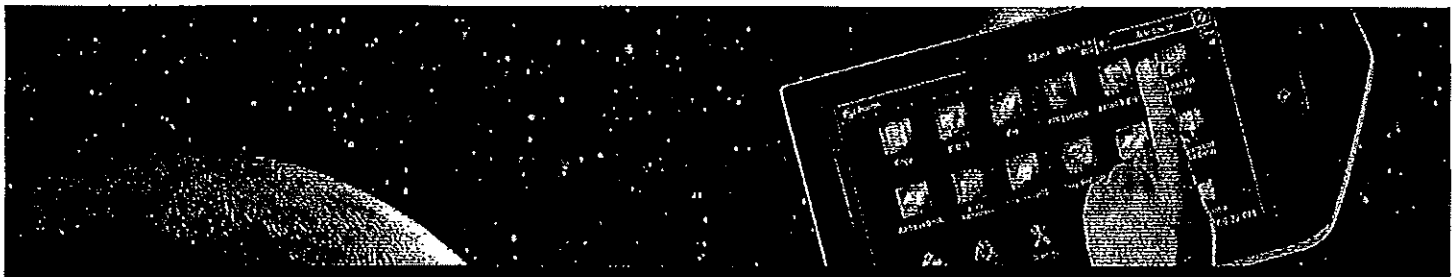
Advanced features plus multi-functional capability allow you to meet tomorrow's document needs today.

- Large 10.1" high resolution touch-screen display with tilt view
- Real-time image preview feature with flick, tap and slide menu navigation
- Fully customizable home screen feature enables users to add custom backgrounds and custom icons, change the display language and more
- Action menus to provide users with feature-specific guidance

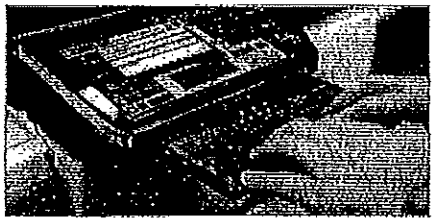




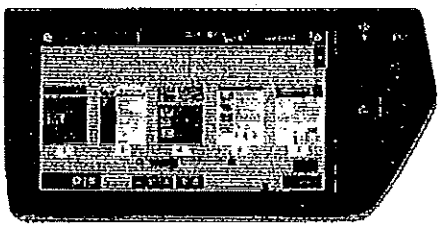
- Enhanced second generation micro-fine toner technology offers sharp, high quality images page after page
- 1200 x 1200 dpi printing provides clear, crisp images even on jobs with fine detail
- Industry leading ImageSEND™ function scans documents to USB devices, network folders, email and more
- Scans documents at up to 50 images per minute in both Black and Color
- Network ready PCL® 6/PCL5c printing system with direct print function and available Postscript® and XPS options
- Robust 86 GB document filing system with thumbnail view and image preview features for easy identification
- Supports the latest Sharp OSA Development Platform, enabling businesses to easily integrate with network applications and cloud services
- Flexible paper handling system feeds up to 110 lb index through paper trays and up to 140 lb index through bypass tray
- Super G3 fax option with intelligent inbound routing
- Supports Sharp's award-winning security platform with standard 256 bit data encryption and up to 7 times overwrite protection
- Energy efficient belt fusing system offers low power consumption, fast warm up and enhanced print quality



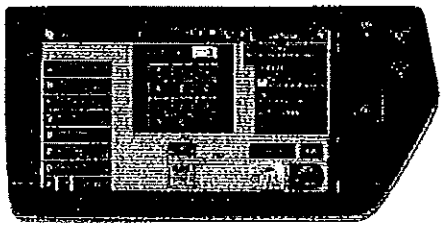
REVOLUTIONARY MFP FEATURES TO STREAMLINE YOUR WORKFLOW



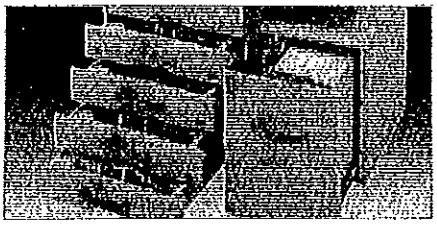
Full-size retractable keyboard simplifies data entry.



Easily edit documents in scan preview mode.



Intuitive copy screen shows options on the left and menu guidance on the right.



Available paper capacity stores up to 5,600 sheets.

Flexible design to meet the needs of your environment.

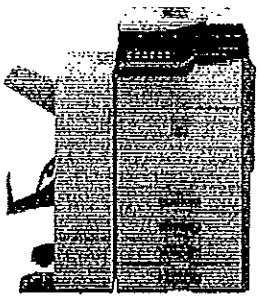
A Smart Touch-Screen Helps You Get Your Work Done Fast
The new MX-2610N/3110N/3610N workgroup color document systems feature a **10.1"** (diagonally measured) **high-resolution LCD** that goes beyond basic touch-screen menu navigation. With advanced features that include **flick, tap, and slide,** you can quickly access the powerful functions of the new MX color series. In addition, a **tilting display panel** provides enhanced accessibility. A built in full-size retractable keyboard makes data entry quick and easy.*

Easily Check and Edit Your Original Document
Save time and help reduce waste by correctly executing your copy or scan job the first time. With Sharp's **real-time scan preview and edit** functions, you can quickly rotate or delete pages, insert blank sheets, remove artifacts, change the color mode, even check the staple position before executing your job. Dynamic action menus provide **feature-specific guidance,** so it is easy to determine your choices for each operation. For comprehensive, step-by-step instructions on any operation, simply open the **on-line user manual** and navigate to the feature you need.

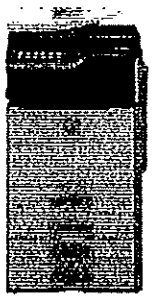
High Image Quality You Expect with the Performance You Need
The new MX-2610N/3110N/3610N workgroup color document systems utilize a powerful multi-tasking controller designed to quickly execute complex copy, print and scan jobs even in busy office environments. Plus, with print speeds of **26ppm, 31ppm,** and **36ppm,** the new MX color series can help elevate your office productivity to new levels. With **1200 x 1200 dpi** print resolution and Sharp's enhanced second-generation micro-fine toner technology, your business **can produce professional looking color documents** with breathtaking image quality.

Flexible Configurations for Today's Unique Office Environments
The new MX color series offers a flexible paper handling system that is also user-friendly. With **rugged paper tray handles** for easy access and available **on-line paper capacity for up to 5,600** sheets with options, the MX is ready when you are. A standard 100-sheet reversing document feeder combined with automatic trayless duplexing, electronic sorting and integrated offset stacking, allow you to complete even large jobs in a snap.

Advanced Finishing Adds the Final Touch
The MX series offers a choice of **two high-performance finishers** that can give your documents a professional look and feel. Choose from a **compact inner finisher** or floor-standing **saddle-stitch finisher.** Both finishers offer three-position stapling and an available 3-hole punch.



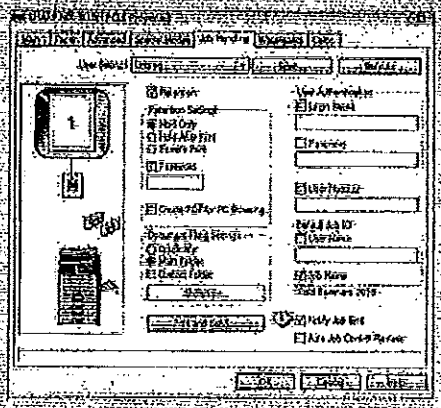
MX-3610N shown with saddle-stitch finisher.



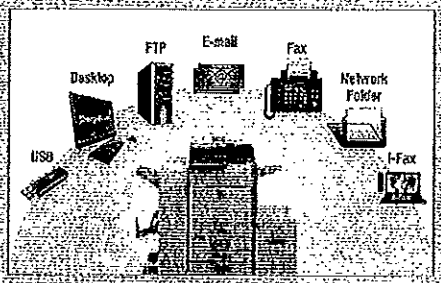
MX-3610N shown with compact inner finisher.

*Standard on MX-3110N/3610N.

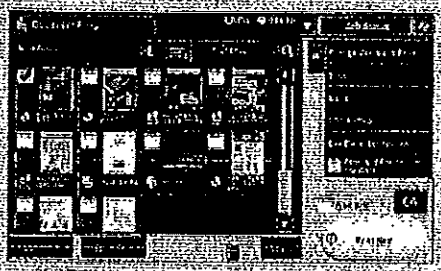
VERSATILE FUNCTIONALITY FOR OPTIMAL QUALITY AND RESULTS



With Sharp's advanced job handling, you can retain print jobs on the MX hard drive for reprinting at a later date, you can even choose to create a PDF for browsing the thumbnail from a PC.



Sharp's integrated network scanning offers one-touch document distribution to up to seven destinations.



Sharp's document filing system with thumbnail preview makes it easy to locate and retrieve stored jobs.

Advanced technologies deliver outstanding output quality, flexible document distribution at your fingertips.

Exceptional Print Quality with Professional Output
With the MX-2610N/3110N/3610N color series, your business can produce brilliant, high-color documents, as well as razor-sharp B&W documents. Plus, with 1200 x 1200 dpi resolution, even documents with fine detail will look great! Easy-to-use print drivers allow you to set up complex jobs with just a few mouse clicks. The **optional Postscript driver** delivers extensive color control options, so you can manage color consistency right from your desktop. For even more flexibility, add the **optional XPS kit**. With Sharp's **advanced job retention** features, jobs can be stored on the MX hard drive to be reprinted again and again by walk-up users or from the embedded web page.

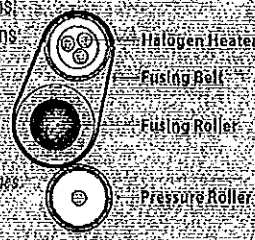
Integrated Network Scanning
With Sharp's powerful **ImageSEND** technology, you get one-touch distribution features that centralize document workflow, reduce mail costs and help save time. With up to seven destinations–E-mail, Desktop, FTP, Network Folders (SMB), USB, Fax and Internet Fax–getting your document where it needs to go is as easy as pushing a button. High-volume workgroups will appreciate the **Send to Group** mode that allows you to mix group broadcast to E-mail, Fax and Internet Fax for increased efficiency.*

Convenient E-mail Distribution
With Lightweight Directory Access Protocol (LDAP), there's no need to manually enter a recipient's complete e-mail address. Simply enter the first few characters and the MX automatically searches and displays a list of matching names. And, with **Sharpdesk®** personal document management software, users can easily organize their scanned documents and integrate them into everyday workflow.

Sharpdesk personal document software

Innovative Document Filing System For Easy Access
Sharp's easy-to-use document filing system provides up to 80 GB of hard drive space to store frequently used files like forms, templates and reports. With **thumbnail preview** mode, stored jobs can be located and retrieved quickly. An advanced backup system and PIN-access security helps ensure your files are safe. For critical environments, an optional **back-up hard drive** is available.

Advanced Energy Saving Features
Sharp's new MX color series utilizes several energy efficient technologies to minimize power consumption and maximize energy savings. An **LED exposure lamp** reduces power significantly when compared to conventional exposure lamps. A customizable seven-day power management scheduler allows businesses to define the days and times when power will be turned on and turned off. Also, with Sharp's **Auto Power Management** function the MFP can be set to shut off automatically based on usage trends. Sharp's **Eco-Scan** mode can shut off the fuser when scanning documents, previewing images, faxing and other operations.
A state-of-the-art **belt fusing system** consumes less power, shortens warm-up time and helps eliminate roller marks sometimes caused by conventional fusing.

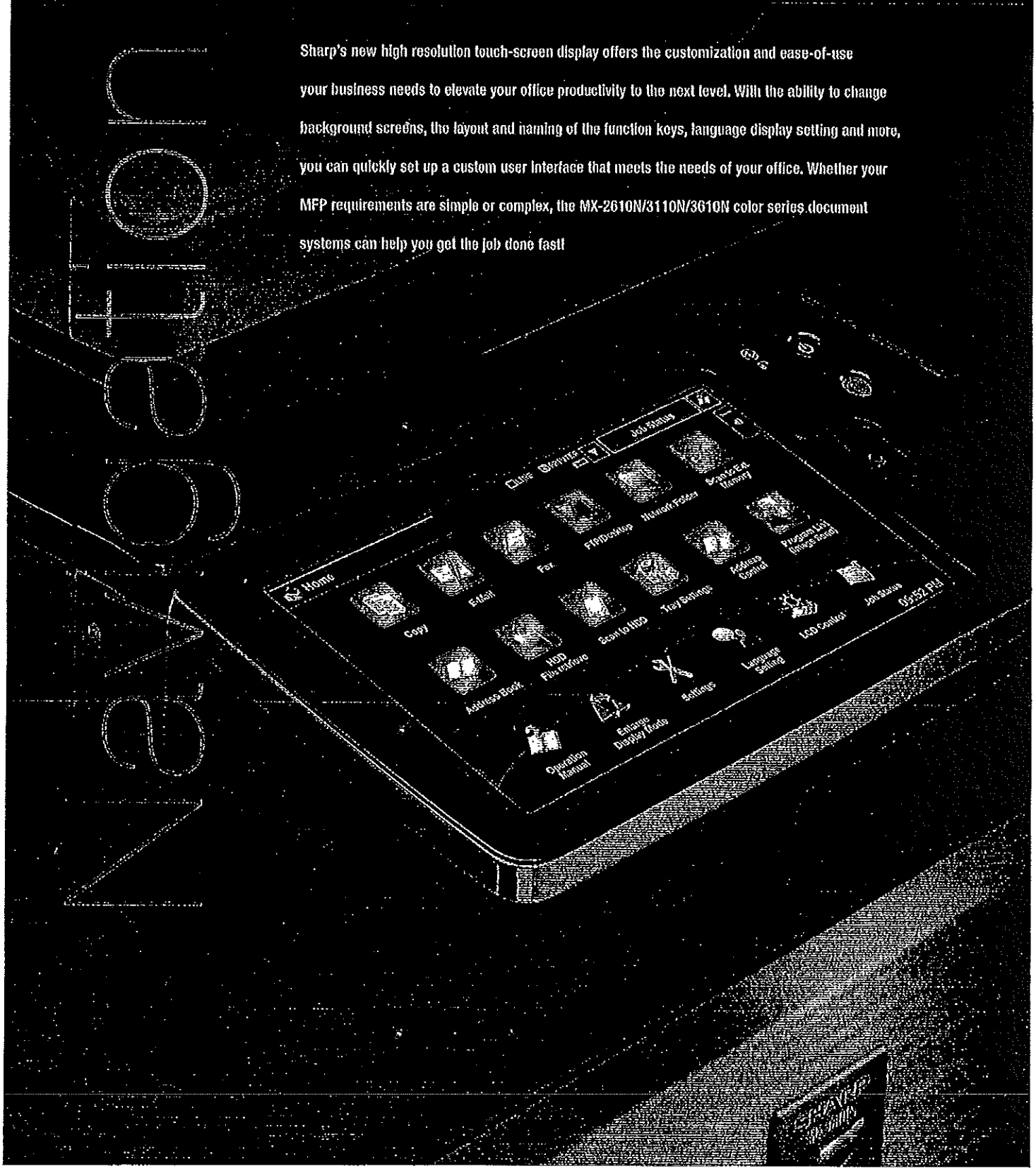


State-of-the-art belt fusing system consumes less power and shortens warm-up time.

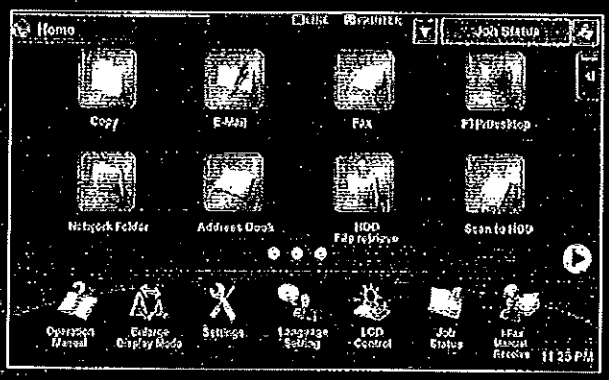
*Some features require optional equipment.

INTUITIVE USER INTERFACE ON 10.1-INCH COLOR LCD...

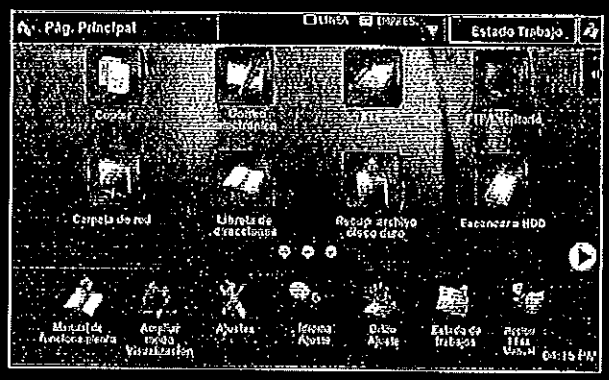
Sharp's new high resolution touch-screen display offers the customization and ease-of-use your business needs to elevate your office productivity to the next level. With the ability to change background screens, the layout and naming of the function keys, language display setting and more, you can quickly set up a custom user interface that meets the needs of your office. Whether your MFP requirements are simple or complex, the MX-2610N/3110N/3610N color series document systems can help you get the job done fast!



NAVIGATES YOU SMOOTHLY THROUGH ADVANCED MFP FUNCTIONS

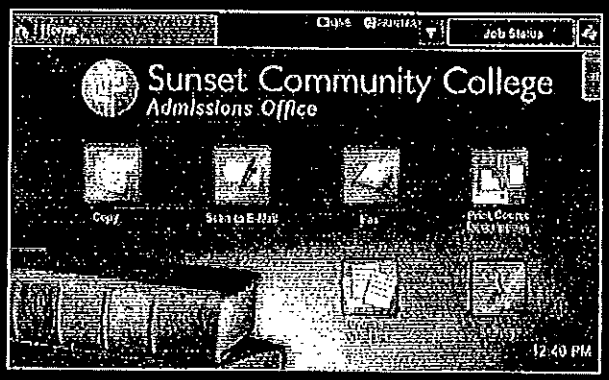


Change the Theme: Easily change the menu colors and icon layout to suit the preferences of users in your office.

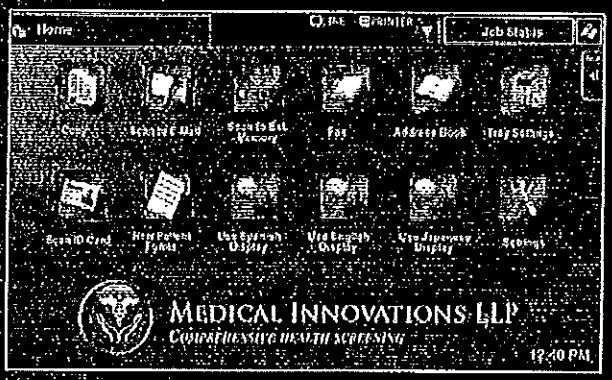


Change the Language: Walk-up users can choose from 24 different display languages with just a few key strokes.

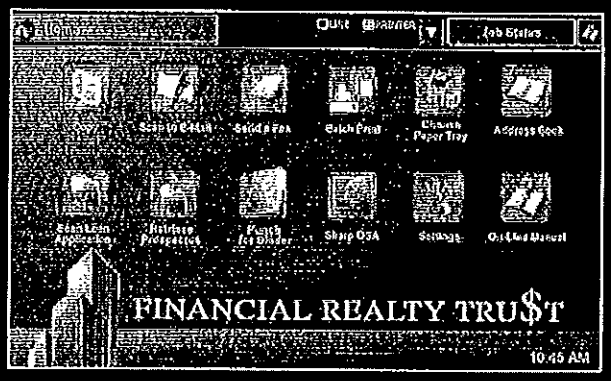
For Legal Environments: Set up custom keys for client files and other frequently used functions.



For a College Campus Office: Set up a simple screen for walk-up users to retrieve applications and course offerings.



For Medical Environments: Set up custom keys to store and retrieve insurance information, prescriptions and more.



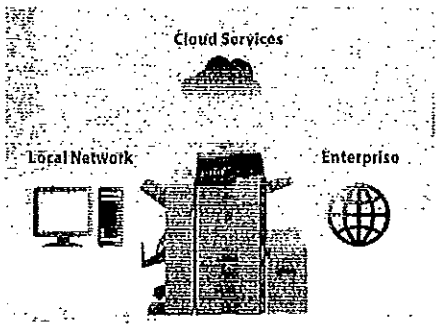
For Financial Environments: Store and retrieve monthly financial reports, scan loan applications and more.

GET MORE OUT OF NETWORK RESOURCES

OSA®
Sharp Open Systems Architecture

Sharp OSA® technology at a glance

- *Automate tasks and save time with seamless integration with network applications and cloud-enabled services.*
- *Virtually eliminates repetitive tasks and streamlines workflow, increasing efficiency.*
- *Maximize your return on investment with tighter integration among IT assets.*
- *Industry standard programming leads to faster deployment of new solutions.*



Sharp OSA Technology allows businesses to leverage the power of their network applications, back-end systems, even cloud-enabled services

Streamline your document workflow and enhance your productivity with Sharp OSA® Technology.

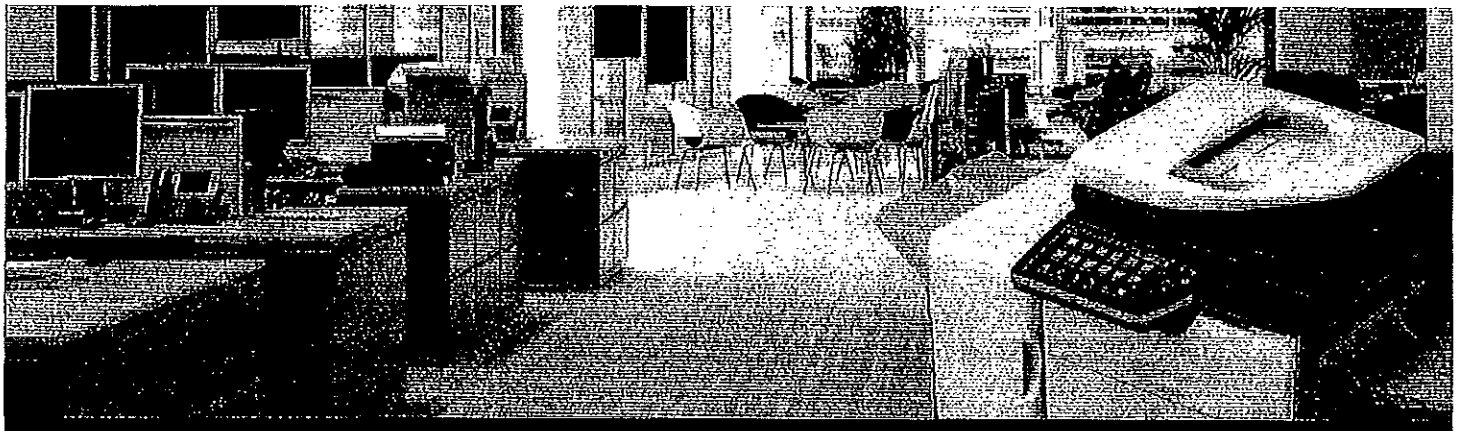
Integrating With Network Applications and Cloud Services Has Never Been So Easy
The MX-2610N/3110N/3610N color series offers **powerful document workflow capabilities** to help businesses leverage their network infrastructure, cloud-enabled services and more!* While others are limited to a small circle of productivity, the Sharp OSA Development Platform allows businesses to leverage the power of their network applications, back-end systems, even cloud-enabled services, right from the touch-screen panel of the new MX color series.

Save Time, Increase Efficiency
You'll save time and increase the efficiency of everyday tasks with Sharp OSA Technology because it can be virtually seamless to the user. Any MX-2610N/3110N/3610N anywhere in the organization can display choices that were once only available on a desktop PC. With **one-touch access** to business applications via Sharp OSA integration, you can start and finish a document distribution task without worry.

Customized Integration
Sharp OSA Technology also provides **powerful customization.** With the ability to personalize applications and processes specific to your business, Sharp OSA Technology can help eliminate redundancy and **streamline workflow,** helping to save time and **optimize productivity.** The latest version of Sharp OSA Technology can reach beyond the firewall, enabling cloud-based applications over the Internet. And since Sharp OSA Technology utilizes industry-standard network protocols such as SOAP and XHTML, third party software developers can deliver customized solutions to your business faster than ever.

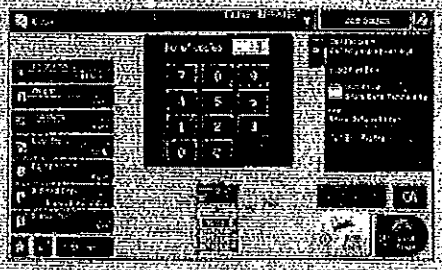
The Convenience You Want With the Security You Need
The MX-2610N/3110N/3610N color series with the Sharp OSA Development Platform is the logical choice for providing fast, **flexible access to documents and applications...**no matter where you are in the office. You also get the controlled access and tracking ability you require with tighter integration capabilities for network security and accounting applications.

**Some features require optional equipment.*

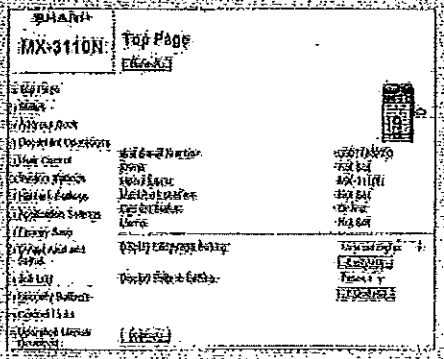


ADVANCED DEVICE MANAGEMENT TOOLS MAXIMIZE EFFICIENCY

Sharp Remote Device Manager



Remote Front Panel



Embedded Web Page

The MX-2610N/3110N/3610N color series document systems enhance operational efficiency through versatile device management capabilities.

Sharp Remote Device Manager (SRDM)
Make management of your MX-2610N/3110N/3610N simple and straight forward with Sharp Remote Device Manager (SRDM). This easy-to-use software allows you to take control of the versatile system features and simplifies installation and management.

- With **Printer Status Monitor**, network users can view printer conditions, check paper levels, toner, and more, all through an easy-to-use interface.
- With advanced Sharp Remote Device Manager, administrators can easily manage the setup, configuration, device settings, cloning and more! Advanced features such as **Remote Front Panel** allow administrators and support personnel to view and control the LCD panel of the machine remotely from virtually any PC on the network! Plus, with event-driven, real-time service alerts, administrators and supervisors can achieve higher productivity. Now it is easier than ever to view service logs, click counts, history reports and more.
- Experience the convenience of an **Embedded Web Page** right from your desktop! This advanced web-based management tool allows users to create and manage their own network scanning destinations, profiles and web-links. Administrators can access device settings, color control, account information and security settings.

Take Charge of Color Usage and Costs
With Sharp's device management system, administrators and supervisors can define user groups on the MX-2610N/3110N/3610N to manage and restrict features, such as color copying, scanning or printing. Easily set up a custom user group to manage page counts (copy, print, scan or fax operations) for both color and B&W. This helps to simplify cost management of color imaging. The MX-2610N/3110N/3610N can store profiles for up to 1000 users.

24/7 Training with My Sharp
Managing all of the advanced features of your Sharp product is simple and easy. Ask your Authorized Sharp Dealer about the **My Sharp** website. This dedicated customer training website is customized to your MX-2610N/3110N/3610N and allows you to locate resources and find information specific to your configuration, truly helping you maximize your investment.

SHARP

Some features require optional equipment.

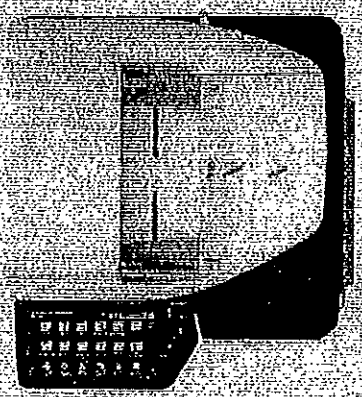
HEIGHTENED SECURITY TO SAFEGUARD YOUR INTELLECTUAL PROPERTY

PRIVACY

AUTHORIZATION

CONFIDENTIALITY

PROTECTION



Sharp's Standard Key Security Features at a Glance

- *256 Bit Data Encryption*
- *Up to 7 times Data Overwrite Protection*
- *Group Account Management for up to 1000 Users*
- *Confidential Printing*
- *Port Management*
- *IP/MAC Address Filtering*

Innovative document and device protection helps ensure confidentiality.

To help protect your data, the MX-2610N/3110N/3610N offers several layers of standard security, making Sharp the optimum choice to help protect employees' privacy and intellectual property. As a leader in office equipment security, Sharp makes it easy for virtually any business or government entity to safely deploy digital copying, printing, scanning and faxing.

Authority Groups
Advanced account management enables administrators to set authority groups for access to features of the MX-2610N/3110N/3610N. Administrators can control which department, for instance, has full access to copying, printing, scanning and/or fax. Walk-up users enter a code, Local Name and Password, or LDAP User Authentication to access the features assigned to their group.

Data Encryption and Overwrite
To help protect your data, the MX-2610N/3110N/3610N can encrypt document data using AES (Advanced Encryption Standard) **256-bit encryption**. The MX-2610N/3110N/3610N can also erase the temporary memory on the hard drive by overwriting the encrypted data up to seven times, offering an unprecedented level of assurance. A convenient **end-of-lease feature** overwrites all data, including document filing area, user data, job status data and address book.

Network Scanning Access Control
To help protect your network from unauthorized e-mail communications, the MX-2610N/3110N/3610N supports **User Authentication**, requiring users to login before performing any network scanning operations.

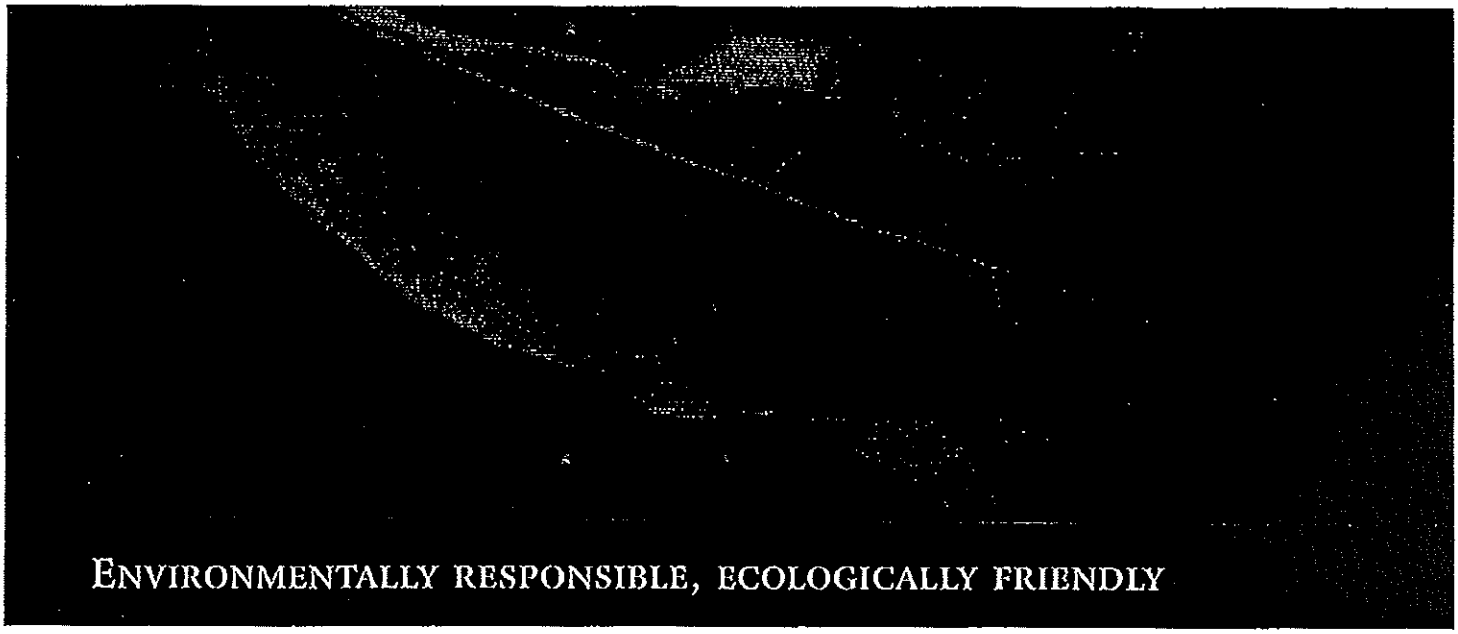
Control Device Access Over the Network
To help restrict access to the device over the network, the MX-2610N/3110N/3610N offers IPsec, SMB and extended support for **SSL Encryption** (Secure Sockets Layer), **IP/MAC** address filtering, IEEE 802.1X authentication, protocol enable/disable and port management for maximum security.

Documents Remain Confidential
The MX-2610N/3110N/3610N offers **Confidential Printing**, which when used, requires users to enter a PIN code in order to print a queued document. To help protect your direct-print documents from unauthorized viewing, the MX-2610N/3110N/3610N offers encrypted PDF printing and scanning. Additionally, **Secure Fax Release** ensures received fax documents are held in memory until an authorized user enters a PIN code, so that compliance with healthcare regulations such as HIPAA is easier.

Tracking and Auditing Information
Legislation and industry policies require companies to be more aware of information flow from their offices. Sharp offers both built-in and additional hardware/software which allows users to control, access and track usage of each device on the network.

Data Security Kit (Optional)
For maximum protection, the optional data security kit offers additional features, such as **Data Overwrite on demand** and at Power Up, Document Filing access control, **Incorrect Password Lockout** and Restricted Status Display and Restricted List printing.

These scalable security offerings aim to protect your intellectual property, preserve confidential information and help your business to meet regulatory requirements, such as the Health Insurance Portability and Accountability Act (HIPAA), and the Gramm Leach Bliley Act (GLB). For additional information visit: *www.sharpusa.com/security*.



ENVIRONMENTALLY RESPONSIBLE, ECOLOGICALLY FRIENDLY

Sharp's ongoing commitment and dedication to developing eco-friendly document systems set a high standard for the industry.

Designed with a Strong Commitment to Helping Protect the Environment
The MX-2610N/3110N/3610N document system utilizes Sharp's enhanced second generation micro-fine toner technology, which offers a lower consumption rate than conventional toners. This also results in less packaging material and longer replacement intervals. Additionally, all Sharp supplies are packaged using fully recyclable materials. Power consumption on the MX-2610N/3110N/3610N is among the lowest in the industry and supports two different energy saving modes to reduce or shut off power after a set interval. All Sharp document systems belong to the EnergyStar® program and RoHS program.

An Economical, Low Maintenance Color Document System that Makes Sense
The MX-2610N/3110N/3610N is designed to accommodate both large and small office environments. With a compact wingless design, the dimension of each base model is less than 25" x 28". Our new long-life consumable parts and supplies help minimize service intervals and down time, resulting in lower operating costs.

Sharp's Environmental Leadership
As a testament to our commitment to the environment, Sharp was a former recipient of the *Excellence in Partnership* **Green Contractor Award** and the **Evergreen Award** from the US Government's General Services Administration and the Coalition for Government Procurement. The Green Contractor Award recognizes contractors that have made the best overall commitment to the environment by offering environmentally-friendly products and services or adhering to environmentally sound manufacturing procedures. The Evergreen Award identifies environmentally-friendly businesses and their efforts in recycling and waste reduction practices. Please visit *www.sharpusa.com/environment* to learn more about our environmental leadership.

Toner Recycling Program
As part of our commitment to helping preserve the environment, Sharp offers customers a toner recycling program for all Sharp copiers and MFP products. Sharp encourages customers to recycle their used Sharp toner cartridges by providing a pre-paid shipping label for their return to our facility. Please visit *www.sharpusa.com/recycle* to learn more.

MX-2610N/MX-3110N/MX-3610N Specifications

Main Specifications

MX-2610N/3110N/3610N	Base models include multi-tasking controller, high-resolution touch screen display, 100-sheet RSPF, 160 GB Hard Disk Drive with document filing, PCL6/5c network printing/scanning, duplexing, 500-sheet paper drawer, 100-sheet Bypass Tray. Developer is included.
Type	Desktop, color multi-function digital document system
Display	10.1" (diagonally measured) color dot matrix touch panel tiling display, 1024 x 600 dots (W-SVGA)
Functions	Copy, print, network print, network scan, document filing and fax[1]
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Belt type fusing/White LED exposure
Originals	Sheets and bound documents
Max Original Size	11" x 17"
Copy Size	Min. 5½" x 8½", Max. 11" x 17" + 12" x 18"
Copy Speed	26/31/36 ppm B&W/Color (8½" x 11")
Multiple Copy	Max. 999 copies
First Copy Time (Seconds)[2]	
Warm Up Time	20 seconds or less[2]
Magnification	25% to 400% in 1% increments (with document feeder 25%-200%)
Original Feed	100-sheet RSPF with original size detection
Scan Speed	Copy mode: Up to 50 OPM (B&W) @ 600 x 400 dpi; Up to 36 OPM (Color) @ 600 x 600 dpi.[2] Network Scan: Up to 50 OPM (B&W or Color) 200 x 200 dpi.[2]
Original Sizes	5½" x 8½", 8½" x 11", 8½" x 11" R, 8½" x 14", 11" x 17" (13-32 lb. bond)
Paper Feed System	Standard: (1) 500-sheet paper drawer (letter/legal/ledger/statement size) and 100-sheet bypass tray (letter/legal/ledger/statement/envelope size). Optional: Single, double or triple drawer paper deck (500-sheets each drawer), letter/legal/ledger/statement size.
Paper Types	Paper drawers: 16 lb. bond - 110 lb. index. Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and color paper. Bypass tray: 16-28 lb. bond (plain paper), 13-16 lb. bond (thin paper), 110-140 lb. index (heavy paper), 20-24 lb. bond (Monarch/Com-10 envelope), tab paper (letter). Also label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color paper and OHP film
Duplexing	Standard automatic duplex copying and printing
CPU	Up to 1250 MHz Multi-Processor Design
Interface	RJ-45 Ethernet (10/100/1000Base-T), USB 2.0 (2 host ports, front and rear), USB 2.0 (1 device port, rear)
Memory	Standard 2 GB Copy/Scan; 1 GB Printer Memory
Hard Disk Drive	160 GB; 86 GB for document filing
Copy Resolution	Scan: B&W/color: 600 x 600 dpi; Copy Output: B&W/color: 600 x 600 dpi
Color Modes	Auto Color Control (ACC), Full Color Mode, Monochrome (B/W)
Exposure Control	Modes: Automatic Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale Color Document. Settings: Auto or 9 step manual
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once Print-Many, electronic sorting, offset-stacking, Auto Color Sensing (ACS), Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), image preview, image edit, auto tray switching, rotation copy, reserve copy, tandem copy, book copy, margin shift, tab-paper insertion, edge erase, center erase, book divide, dual page copy, cover pages, insert pages, OHP insertion, job build, card shot, black page skip, mirror image, black-white reversal, centering, proof copy, 2-in-1/4-in-1/8-in-1, pamphlet, watermark custom image, job programs, date/character/page stamp.
Account Control	Up to 1000 users. Supports user-number authentication (on device), login name/password (on device) or login name/password (on device via LDAP server) for Copy, Print, Scan, Fax and document management.
Output Tray Capacity	Main output tray (top) 400 sheets (face down); optional eject tray (right 1 side) 100 sheets (face down)
Firmware Management	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Management)
Configuration Method	Web-based management with user/administrator level login, dialing (1 to N) with SRDM and remote front panel access
Service/Functions	Remote front panel, remote access to service logs and click counts
Accessibility Features	Tilt Front Panel, Adjustment of Key Touch-Send and Speed, Concave Key, Document Feeder Free Stop, Job Programs, Remote Front Panel, Universal Grip for Paper Trays, and Disable Screen Timeout
Environmental Standards	International Energy Star Program Ver. 1.1, Law on Promoting Green Purchasing, European RoHS (Restriction of Hazardous Substances)
Power	AC 100-127 VAC, 60 HZ, 12 Amps
Power Consumption	Maximum: 1440 W or less
Weight	MX-2610N/3110N: Approx. 161 lbs/MX-3610N: 167 lbs.
Approx. Dimensions	24¾" (w) x 27½" (d) x 33" (h)

First Copy Time (Seconds)[2]:

	MX-2610N Black	MX-2610N Color	MX-3110N Black	MX-3110N Color	MX-3610N Black	MX-3610N Color
Platen Glass	5.9	8.1	5.8	7.9	5.2	6.8
Doc. Feeder	9.1	11.6	9.1	11.0	8.1	10.0

Network Printing System

PDL	Standard PCL[6] 6/PCL5c compatible, optional Postscript 3, optional XPS
Resolution	1200 x 1200 dpi
Print Speed	26/31/36 pages per minute (8½" x 11")
Print Drivers	Windows 2000, Windows Server® 2003-2008, Windows XP, Windows XP x64, Windows Server x64, Windows Vista®, Windows Vista® x64, Windows 7, MAC OS®, 9.2.2, OSX (including 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.1), all MAC PPD.
Features	Auto configuration, continuous printing, electronic sorting, offset stacking, N-up printing, duplex printing, transparency inserts, margin shift, image rotation, different cover page, poster print, job bypass print, job retention, confidential print, proof print, user authentication, image stamp and watermarks. Additional features: Multiple pamphlet, network tandem print, carbon copy print mode, different cover page/last page/other page, form overlay, tab paper settings, tab printing, chapter inserts, page interleave and bar code font printing[1]
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, (optional) Postscript and XPS[1] Methods: FTP, Web page, E-mail and USB memory
Resident Fonts	80 outline fonts (PCL), 136 fonts (PS)
Interface	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0
Operating Systems	Windows Server 2003-2008, Windows 2000/XP, Windows Vista, Windows 7, MAC OS 9-9.2.2, MAC OSX 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.5, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, Unix®, Linux® and Citrix® (MetaFrame, Presentation Server 4, 4.5) and Windows Terminal Services.[1]
Network Protocols	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, SMTP, POP3, LDAP, 802.1x for Windows and Unix. LPD and LPR for Unix, IPX/SPX® for Novell environments. EtherTalk® and NetBEUI, AppleTalk® for Macintosh® environments.[1]
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Rprinter
Network Security	IP/MAC address filtering, protocol filtering, port management, user authentication and document administration.[1]
Security Standards	IEEE-2600™-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)[1]

Network Scanning System

Scan Modes	Standard: Color, monochrome, grayscale
Max Original Size	11" x 17"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi
Image Formats	Monochrome: TIFF, PDF, Encrypted PDF, XPS Color: Grayscale, Color TIFF, JPEG, PDF, Encrypted PDF, XPS Internet Fax: TIFF-FX, TIFF-C, TIFF-F, TIFF-S[1]
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
One-touch Destinations	Up to 2000 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs	Up to 100
Network Protocols	TCP/IP and SSL (includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x.
Network Security	E-mail server user authentication for LDAP and Active Directory
Software	Sharpdesk® desktop document management software (1 user license)

B&W Super G3 Fax Kit (option)

Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS[3]
Compression Methods	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
Max. Resolution	400 dpi
Transmit Speed	Approx. 2 seconds with Super G3/JBIG[4]
Auto Dialing	Up to 2000 (combined scan destinations)
Group Dial	Up to 500 destinations
Inbound Fax	Routing: Forwards received fax data to E-mail
Long Length Originals	Up to 31½" (for transmission)
Programs	48 (combined)
Memory	Shared
Halftone	256 levels

Saddle Stitch Finisher (option)

Type	Console finisher with dual exit trays (mounts on left side of host machine)
Output Trays	Upper tray: Offset stack tray Lower tray: Book tray for saddle stitch
Output Capacity	1000 sheets (letter/statement size) or 500 sheets (legal, ledger or letter-R size)
Stapling	Up to 50 sheets (letter/statement) or 25 sheets (legal, ledger or mixed)
Output Delivery	Face down
Stapling Media	Plain paper, letter/legal/ledger size or mixed
Stapling Positions	1 front, 1 rear, or both
Saddle Stitch Function	Center stitch/center folding (2 staples) letter/legal/ledger paper sizes
Saddle Stitch Max. Sets	Up to 10 sets (11-15 sheets per set)/15 sets (6-10 sheets per set)/ 20 sets (1-5 sheets per set)
Power Consumption	70 W or less
Hole Punching	Optional hole punch unit MX-PN05B (2 holes/3 holes)
Weight	Approx. 83.18 lbs.
Dimensions	26" (w) x 25" (d) x 39" (h) (with tray extended)

Inner Finisher (option)

Type	Built-in finisher (hole-punch unit option)
Output Capacity	500 sheets (letter/statement) or 250 sheets (ledger/legal size)
Output Delivery	Face down
Stapling Media	Plain paper (letter, legal, or ledger size)
Stapling Positions	1 front, 1 rear, or both
Power Source	Supplied from main unit
Stapling	Up to 50 sheets (letter size) or 30 sheets (legal, ledger or mixed)
Stapled Sets	30 bundles or 500 sheets (letter or statement size) or 30 bundles or 250 sheets (legal or ledger size)
Hole Punching	Optional hole punch unit MX-PN11B (2 holes/3 holes)
Weight	Approx. 26.5 lbs.
Dimensions	24⅛" (w) x 23¾" (d) x 8" (h) (includes extended tray)

Optional Equipment

MX-DE12	Stand/1 x 500 Sheet Paper Drawer
MX-DE13	Stand/2 x 500 Sheet Paper Drawer
MX-DE14	Stand/3 x 500 Sheet Paper Drawer
MX-36ABD	Rolling Cabinet Base
MX-LC11	Large Capacity Tray
MX-FN17	Inner Finisher
MX-PN11B	3 Hole Punch Unit (Requires MX-FN17)
MX-SCX1	Staple Cartridge (MX-FN17)
MX-FN10	Saddle Stitch Finisher
MX-RB10	Paper Pass Unit (Required for MX-FN10)
MX-PN05B	3 Hole Punch Unit (MX-FN10)
AR-SC3	Staple Cartridge (MX-FN10)
MX-TR12	Right-side Exit Tray Unit (MX-2610N/3110N)
MX-TR13	Right-side Exit Tray Unit (MX-3610N)
MX-TU12	Center Exit Tray Unit
MX-PK11	PostScript® 3™ Kit
MX-PUX1	XPS Expansion Kit (Requires MX-SHP1GBCR3)
MX-SHP1GBCR3	1GB Memory Upgrade (Required for MX-PUX1)
MX-FX11	Fax Expansion Kit
MX-FWX1	Internet Fax Kit
MX-PF10	Bar Code Font Kit
AR-SU1	Stamp Unit (Requires AR-SV1 Stamp Cartridge)
AR-SV1	Stamp Cartridge
MX-KB11	Keyboard (Standard on the MX-3110N/3610N)
MX-EB11	Enhanced Compression Kit
MX-EB12	Mirror Expansion Kit
MX-AMX1	Application Integration Module
MX-AMX2	Application Communication Module
MX-AMX3	External Accounting Module
MX-FR30U	Commercial Data Security Kit (not available at time of launch)
MX-EC50	CAC Reader (Requires Data Security Kit)
DVENDFS	Generic Vendor Interface Kit

Supplies

MX-36NTBA	Black Toner Cartridge
MX-36NTCA	Cyan Toner Cartridge
MX-36NTMA	Magenta Toner Cartridge
MX-36NTYA	Yellow Toner Cartridge
MX-36NVBA	Black Developer
MX-36NVSA	Cyan/Magenta/Yellow Developer
MX-36NRSA	Drum

[1] Some features require optional equipment. See your local dealer.
[2] May vary depending on product configuration, machine settings and operating and/or environmental conditions.
[3] Actual transmission time will vary based on line conditions.
[4] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.

SHARP

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