

# What You Should Know

## Office Digital Imaging Product Evaluation

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# Ricoh

## Aficio MP 4000SP

A3 B/W 40-49 PPM MFPs

Ricoh Direct and Authorized Dealers



### Product Introduction



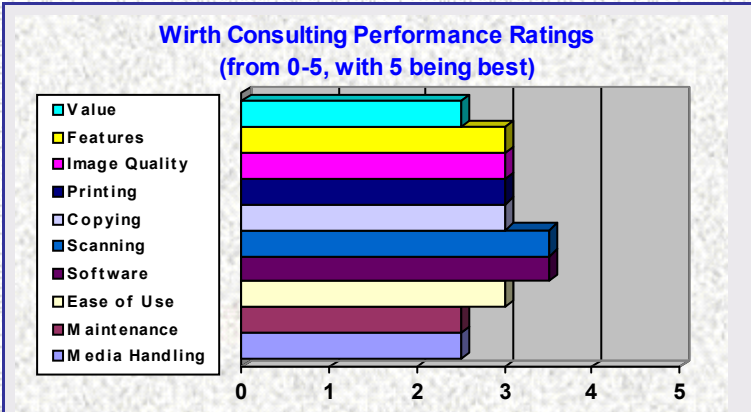
Ricoh's Aficio MP 4000 (soon to be replaced by the Aficio MP 4001) is available in three different configurations. The MP 4000B (\$9,300) is a digital copier with B/W network scanning and optional 40-GB hard drive, network print and Super Group 3 fax. This "SP" version (\$11,200) adds standard network print, copy, 40-GB hard drive and color network scan with optional Super Group 3 fax. The MP 4000SPF (\$12,350) adds Super Group3/Internet/LAN/IP fax to the SP configuration. All feature a standard 100-sheet ARDF, and may be equipped with optional document finishing and management/workflow solutions. They also support Ricoh's Embedded Software Architecture, a Java (J2ME) compatible software development platform for creating custom applications.

### Key Specifications and Pricing

Functions	Print/Copy/Scan/Fax	Std Media Capacity (sheets)	1,200	Price	\$11,200.00	€8,023.68	
Imaging Technology	Laser	Max Media Capacity (sheets)	4,400	Duplex	\$0.00	€0.00	
Monthly Duty Cycle (pages)	N/A	Max Media Sources	5	Print	\$0.00	€0.00	
BW/Color Print Speed (PPM)	40	Max Media Width (inches/mm)	11.0	279.4	Network	\$0.00	€0.00
Max Print Resolution (DPI)	2,400x600	Max Media Length (inches/mm)	17.0	431.8	Scan	\$0.00	€0.00
Std Printer Memory (MB)	768	Max Media Wt. (bond, lbs./gsm)	58.0	195.8	Doc Feeder	\$0.00	€0.00
Max Printer Memory (MB)	768	Height (inches/mm)	35.80	909.32	Media Trays	2x550-sheet drawers	
Hard Drive (GB)	40	Width (inches/mm)	26.40	670.56	Price	\$1,520.00	€1,088.93
Hard Drive Overwrite	Yes	Depth (inches/mm)	26.20	665.48	LCT	\$1,570.00	€1,124.75
Ethernet Network Interface	10BaseT/100BaseTX	Weight (pounds/kg)	187.4	85.0	Finisher	1,000-sheet finisher	
User Authentication	Yes	Power Consumption (watts)	1,500	Price	\$1,480.00	€1,060.27	

### Feature Analysis, Ratings (from 0-5, with 5 being best) and Composite Scores

<b>Value</b>	<b>2.5</b>	<b>Copying</b>	<b>3.0</b>	<b>Scanning</b>	<b>3.5</b>	<b>Printing</b>	<b>3.0</b>	
<b>Overall Score</b>	<b>29.5</b>	Copier Score	<b>19.5</b>	Scanner Score	<b>18.5</b>	Printer Score	<b>23.0</b>	
Full System Price	\$11,200.00	Duplex Document Feeder	<input checked="" type="checkbox"/>	Color Scanning	<input checked="" type="checkbox"/>	Print Processor (MHz)	533	
Black Cost per Page	\$0.0061	Touch Screen	<input checked="" type="checkbox"/>	Network Scanning	<input checked="" type="checkbox"/>	Maximum Memory (MB)	768	
Color Cost per Page		Hard Drive	<input checked="" type="checkbox"/>	Open Platform	<input checked="" type="checkbox"/>	BW/Color Print Speed	40	
Black TCO* (5k/mo)	\$13,019.00					Windows	<input checked="" type="checkbox"/> Linux	<input checked="" type="checkbox"/>
Color TCO* (5k/mo)						Apple Mac	<input checked="" type="checkbox"/> PCL	<input checked="" type="checkbox"/>
Mixed** TCO* (5k/mo)						GDI Printing	<input checked="" type="checkbox"/> PostScript	<input checked="" type="checkbox"/>
*Base Price; **67% BW and 33% Color								



<b>Features</b>	<b>3.0</b>
USB Convenience Port	<input type="checkbox"/>
Scanner	<input checked="" type="checkbox"/>
Walk-Up Fax	<input checked="" type="checkbox"/>
LAN Fax	<input checked="" type="checkbox"/>
Duplex Printing	<input checked="" type="checkbox"/>
Network Printing	<input checked="" type="checkbox"/>

<b>Image Quality</b>	<b>3.0</b>
Imaging Technology	<b>Laser</b>
Max. Resolution	<b>2,400x600</b>
BW Office IQ	<input checked="" type="checkbox"/>
Color Office IQ	<input type="checkbox"/>
Professional IQ	<input type="checkbox"/>
Photographic IQ	<input type="checkbox"/>

<b>Media Handling</b>	<b>2.5</b>
Max Media Sources	5
Max Wt. (bond, lbs.)	58.0
Feeds 110-lb. Index Stock	<input checked="" type="checkbox"/>
Max Weight from all Sources	<input type="checkbox"/>
Finishing	<input checked="" type="checkbox"/>

<b>Maintenance</b>	<b>2.5</b>
Black Page Yield	30,000
All-in-One Toner Cartridge	<input type="checkbox"/>
Holds Full Ream of Media	<input checked="" type="checkbox"/>

<b>Software</b>	<b>3.5</b>
Desktop Software	<input checked="" type="checkbox"/>
Web Utilities	<input checked="" type="checkbox"/>
Adobe PostScript	<input checked="" type="checkbox"/>
Open Platform	<input checked="" type="checkbox"/>

<b>Ease of Use</b>	<b>3.0</b>
Usability Score	<b>9.0</b>
Graphic Display	<input type="checkbox"/>
Touch Screen	<input checked="" type="checkbox"/>
Navigation Keys	<input type="checkbox"/>
Holds Full Ream of Media	<input checked="" type="checkbox"/>

## Consumables Pricing and Yields

\*Based on an original area coverage of 5% per color. \*\*Yield in pages

Consumable	Price	Yield**	Dev Price	Dev Yield**	Drum Price	Drum Yield**
Black Ink/Toner	\$73.00	30,000	\$299.00	300,000	\$395.00	150,000
Cyan Ink/Toner						
Magenta Ink/Toner						
Yellow Ink/Toner						
Multicolor Ink						
Other Type						
Other						
Maintenance Kit						

## Ricoh Aficio MP 4000SP



A3 B/W 40-49 PPM MFPs

## Supply Cost Per Page and Total Cost of Ownership\*

\*CPP and TCO include the base price depreciated over a five-year period (not including service) \*\*Based on 66% Black/33% Color

Monthly Volume	Black CPP	Color CPP	Black TCO	Color TCO	Mixed TCO**
50 pages	\$3.739		\$11,218.19		
100 pages	\$1.873		\$11,236.38		
250 pages	\$0.753		\$11,290.95		
500 pages	\$0.379		\$11,381.90		
1,000 pages	\$0.193		\$11,563.80		
2,000 pages	\$0.099		\$11,927.60		
3,000 pages	\$0.068		\$12,291.40		
4,000 pages	\$0.053		\$12,655.20		
5,000 pages	\$0.043		\$13,019.00		

## Consumables CPP

(Based on an original area coverage of 5% per color)

Black Cost Per Page
Black Consumables Cost per Page
<b>\$0.0061</b>
Color Cost Per Page
Color Consumables Cost per Page

## Strengths

- 8.5" color touch screen
- Scan to e-mail (supports LDAP), folder (SMB, FTP, Novell), and URL. Network TWAIN scan driver.
- Network management and remote monitoring includes SmartDeviceMonitor and Web Image Monitor. DeskTopBinder V2 Lite for document management is also included.
- Hewlett-Packard LaserJet-compatible.
- Supports Ricoh's Embedded Software Architecture, a Java (J2ME) compatible software development platform for creating custom applications accessible at the touch screen.
- Security features include Windows/LDAP/Kerberos Authentication; optional Copy Data Security unit; optional Hard Drive with DataOverwriteSecurity; Encrypted Address Book; Secure Internet Protocol (IP) with IPSec ; Encrypted PDF Transmission; Hard Drive Encryption; Sample/Locked/Hold/Stored Print (hard drive required); S/MIME; SSL Secure Socket Layer; Encryption of Password PDF

SECURITY OPTIONS: Unauthorized Copy Control (\$710); Hard Drive Data Overwrite Security System (\$420); HDD Encryption (\$510).

OPTIONS: 1,000-Sheet Finisher (50 sheets - \$1,480); 3,000-Sheet Finisher (50 sheets - \$2,860); Saddle-Stitch Booklet-Maker (15 sheets - \$4,110); 2/3 hole document punch (\$920); Adobe PostScript 3 and PDF Direct printing (\$875); Super Group 3 fax (\$1,150); 802.11a/g Wireless LAN interface (\$565); Bluetooth interface (\$378); Gigabit Ethernet (\$340).

## Limitations

Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

## Notes

## Best Use

Offices and mid-size to large workgroups, and enterprises, that require an A3 office MFP with monochrome network print, copy and scan applications (optional fax), and who may also require a wide range of advanced workflow and print-management solutions.