

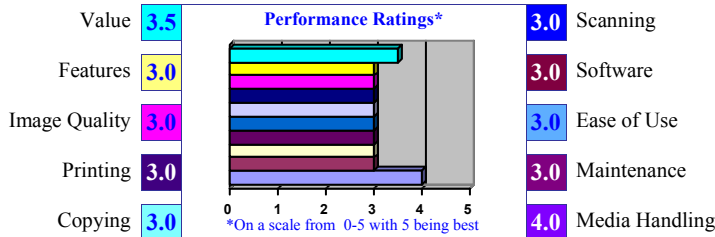


Wirth Consulting - Office ©Head2Head Comparison

Make	Konica Minolta	Imaging	Laser
Model	bizhub C200	Functions	Print/Copy/Scan/Fax
Base Price	\$6,100.00	 	
Monthly Duty Cycle (pages)	30,000		
BW/Color Print Speed (ppm)	20/20		
Max Media Width (inches)	12.20		
Classification	A3 Color MFPs From 20-25 ppm		

Background Information

Launched in August 2008, the bizhub C200 is designed for small to mid-size businesses and workgroups, and is based on the company's Emperon Print System, which Wirth Consulting has found to be very productive. This 20/20 ppm A4 color MFP is powered by a 667 MHz Power PC CPU. At a suggested list price of \$6,100, and with a maximum monthly duty cycle of 30,000 pages, it's the entry-level system in Konica Minolta's bizhub color MFP family. All paper sources (and the automatic duplexer) accept up to 140 lb. index stock, a capability not often provided. Also note that Super Group 3 fax is optional (\$1,095).



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
31.5	\$0.00488	\$0.02758

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$6,392.50	\$7,754.66	\$6,778.09
2,000 pages per month	\$6,685.00	\$9,409.32	\$7,517.18
3,000 pages per month	\$6,977.50	\$11,063.99	\$8,256.27
4,000 pages per month	\$7,270.00	\$12,718.65	\$8,995.35
5,000 pages per month	\$7,562.50	\$14,373.31	\$9,734.44

*Base Price

Strengths

- Low B&W and color consumables' cost per page of 0.4 and 2.7 cents respectively.
- Scan to e-mail, FTP, SMB, and TWAIN scan (real-time mode).
- Scan at up to 40 (B&W)/20 (color) originals per minute (opm).
- Assistant Tool for bizhub C200 provides online assistance..
- Feed and auto-duplex up to 140 lb. index stock (68 lb. bond) from all paper sources.
- Print on 12.25" x 18" media to produce full-bleed 11" x 17" images on 12" x 18" paper.
- Capable PageScope software utilities for device management..
- Super Group 3 fax option.
- Efficient Emperon Print System
- Uses Konica Minolta's next-generation Simitri HD Color Polymerized Toner, which provides smaller, more uniform toner particles for enhanced image quality. Toner also has a lower fusing temperature, so that toner can be fused to paper with less energy consumption.
- Touch-screen/control panel is adjustable for easier viewing and operation.
- Optional fax.

Limitations



- No document-finishing (staple, sort, etc.) available (document finishing is available with other Konica Minolta MFPs however).
- NOTE: System operates at less than 1,250 watts

Notes

Best Use

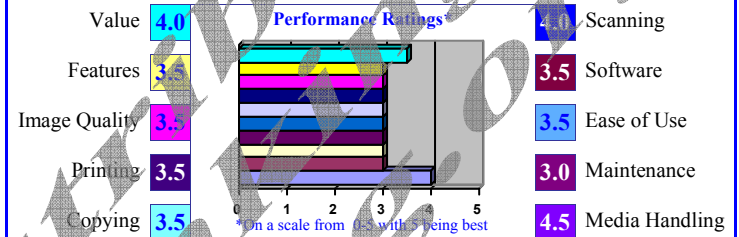
For small to mid-size businesses and workgroups, and enterprise use, for producing B&W and color output, and where network scanning may be required. Also suitable for very light production applications that require full-bleed 11" x 17" capability as well as ability to print on up to 140 lb. index. While document-finishing options aren't available for the bizhub C200, they are available with many other color bizhub MFPs, including the bizhub C203 and C250.

Wirth Consulting - Office ©Head2Head Comparison

Make	Konica Minolta	Imaging	Laser
Model	bizhub C203	Functions	Print/Copy/Scan/Fax
Base Price	\$9,165.00	 	
Monthly Duty Cycle (pages)	60,000		
BW/Color Print Speed (ppm)	20/20		
Max Media Width (inches)	12.00		
Classification	A3 Color MFPs From 20-25 PPM		

Background Information

Konica Minolta introduced this A3 color MFP in late 2007. Although rated at the same speed as the bizhub C200, it features a maximum monthly volume (60,000 pages) twice that of the bizhub C200. It adds optional document finishing, and other capabilities that enhance productivity and functionality, including a standard 60-GB hard drive for collation, secure print, saved prints, etc. Extensive security provisions include IPv6, encrypted network password printing, and the company's unique Biometric Authentication (users register a finger print before they can use the control panel). Optional Super Group 3 fax and LAN fax.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
46.5	\$0.00632	\$0.02992

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$9,454.18	\$10,870.50	\$9,827.03
2,000 pages per month	\$9,743.37	\$12,576.00	\$10,580.70
3,000 pages per month	\$10,032.55	\$14,281.50	\$11,334.38
4,000 pages per month	\$10,321.73	\$15,987.00	\$12,088.05
5,000 pages per month	\$10,610.92	\$17,692.50	\$12,841.73

*Base Price

Strengths

- Low B&W and color consumables' cost per page of 0.6 and 3.0 cents respectively.
- Efficient Emperon system, Simitri HD Color Toner.
- Touch-screen/control panel is adjustable for easier viewing and operation.
- i-Option for Internet access at touch-screen/control panel and Image Panel functionality. Optional fax and LAN fax..
- bizhub Extended Solution Technology (BEST) for interfacing with third-party software for print management, cost control and network functions.
- Scan to e-mail, FTP, SMB, hard-drive memory, USB memory cards and WebDAV (Web-based Distributed Authorizing and Versioning) software for document collaboration. Scan at up to 70 opm. Simultaneous group send (scan to multiple destination types in a single procedure).
- Security provisions include IPv6, hard-drive erase, job erase, account tracking, IP filtering, encrypted network printing, optional Biometric Authentication, HD Proximity Reader.
- Optional staple/stacking, booklet-making, document hole-punching.
- Capable PageScope network management. PageScope Enterprise Suite device management for account tracking, user authentication, etc., My Panel.
- Feed and duplex up to 140 lb. index stock with all paper sources; print on banner sheets up to 11.75" x 47.25" via opt. Built-In Modular Finisher.

Limitations

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

NOTES:



- In the "Consumables Pricing and Yields" chart, Maintenance Kit refers to the fuser unit.
- System operates at less than

Notes

Best Use

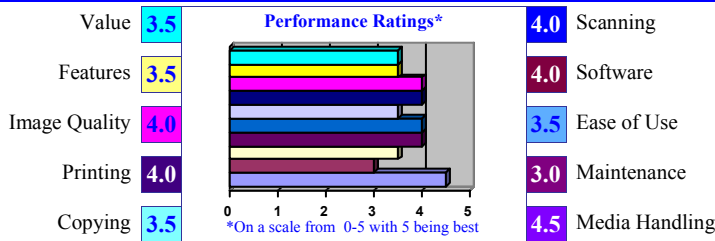
For small to mid-size businesses and workgroups, and enterprise use, where a productive color printer/copier is required for producing both B&W and color output. Also suitable for workflow applications, security-sensitive environments, and for graphic-arts applications that require full-bleed 11" x 17" media capability and/or printing on heavier paper stock (up to 140 lb. index), for instance in graphic-arts and for very light production applications.

Wirth Consulting - Office ©Head2Head Comparison

Make Konica Minolta	Imaging Laser
Model bizhub C253	Functions Print/Copy/Scan/Fax
Base Price \$10,315.00	 
Monthly Duty Cycle (pages) 75,000	
BW/Color Print Speed (ppm) 25/25	
Max Media Width (inches) 12.00	
Classification A3 Color MFPs From 20-25 PPM	

Background Information

Konica Minolta's bizhub C253 is positioned in the mid-range of the company's bizhub C203/C253/C353 series with a maximum monthly volume of 75,000 pages. Powered by a 1 GHz CPU and based on Konica Minolta's Emperon print system, expect very good productivity. For more powerful performance, and for more advanced graphic-arts, color-proofing, and job-submission applications, as well as very light production, it may be equipped with an optional IC-409 (Fiery) print controller from partner Electronics for Imaging (EFI). Note that Super Group 3 fax and LAN fax are optional.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
37.5	\$0.00615	\$0.02976

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$10,594.18	\$12,010.50	\$10,955.63
2,000 pages per month	\$10,873.37	\$13,706.00	\$11,699.40
3,000 pages per month	\$11,152.55	\$15,401.50	\$12,443.18
4,000 pages per month	\$11,431.73	\$17,097.00	\$13,186.95
5,000 pages per month	\$11,710.92	\$18,792.50	\$13,930.73

*Base Price

Strengths

- Low B&W and color consumables' cost per page of 0.6 and 2.2 cents respectively.
- Optional IC-409 (EFI Fiery Controller) for more advanced color graphics and job-submission applications (\$3,690). (Produce professional image quality with Fiery controller, which also provides Adobe PostScript 3.)
- i-Option for Internet access at touch-screen control panel; Image Panel.
- bizhub Extended Solution Technology (bEST) for interfacing with third-party software for print management, cost control and networking functions.
- Scan to e-mail, FTP, SMB, hard-drive memory, USB memory cards and WebDAV (Web-based Distributed Authorizing and Versioning) software for document collaboration). Scan at up to 70 ppm. Scan to multiple destination types in a single procedure.
- Security provisions include IPv6, hard-drive erase, job erase, account tracking, IP-filtering, encrypted network printing, optional Biometric Authentication, HD Proximity Reader.
- Optional staple/stacking, booklet-making, document hole-punching.
- Capable PageScope network management. PageScope Enterprise Suite device management for account tracking, user authentication, etc., My Panel.
- Load and duplex up to 140 lb. index stock via all paper sources.

Limitations



- Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.
- In the "Consumables Pricing and Yields" chart, Maintenance Kit refers to the fuser unit.
- System operates at less than 1,500 watts.

Notes

Best Use

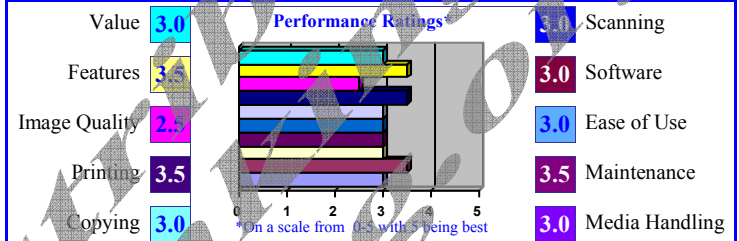
For small to mid-size businesses and workgroups, and enterprise use, for producing mid-volume B&W and color output. Also suitable for workflow applications, security-sensitive environments, and graphic-arts applications that require full-bleed 11"x17" capability and/or printing on heavier paper stock (up to 140 lb. index). Optional EFI Fiery controller makes the system suitable for advanced graphic arts and color proofing, and for very light production applications.

Wirth Consulting - Office ©Head2Head Comparison

Make Kyocera Mita	Imaging Laser
Model TASKalfa 250ci	Functions Print/Copy/Scan/Fax
Base Price \$8,915.00	 
Monthly Duty Cycle (pages) 100,000	
BW/Color Print Speed (ppm) 25/25	
Max Media Width (inches) 11.00	
Classification A3 Color MFPs From 20-25 PPM	

Background Information

This is the entry-level model in Kyocera Mita's new TASKalfa Series and features the series' signature black exterior with silver accents, new color print engine and new micro-particle toner with a low fusing temperature. It uses Kyocera Mita's long-life Amorphous Silicon (ASi) drum technology, with drums rated to last up to 300,000 pages each (so that replacement is less frequent). Customers have a choice of either an optional dual-scan document feeder (scans two-sided originals in a single pass) or optional RADE. Note that Super Group 3 fax is standard, while it is optional with most devices in this class.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
31.0		

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month			
2,000 pages per month			
3,000 pages per month			
4,000 pages per month			
5,000 pages per month			

*Base Price

Strengths

- Standard 80-GB hard drive for collation, secure print, save files, etc.
- Long-life amorphous Silicon (ASi) drum rated to last up to a very generous 300,000 pages so that service visits are less frequent and uptime is increased.
- Print on up to 120 lb. index stock via bypass tray.
- Standard Super Group 3 fax.
- Microsoft Windows XPS driver, XPS Mini Driver, Network Fax Server, PPD for MAC.
- Capable KMnet Admin and Command Center for network management, KMnet for (Job) Accounting, monitoring for clients.
- Scan to e-mail, SMB, FTP, USB; WSD Scan; TWAIN/WIA drivers.
- Optional Data Security Kit provides overwriting of print, copy and scan data.
- Print from and scan to USB memory cards.
- Optional stapling/sorting, saddle-stitch booklet-making, document hole-punch.
- Optional dual-scan document feeder (scans two-sided originals in a single pass) or optional reversing automatic document feeder.
- Optional KYOcapture, KYOcapture Express workflow solutions for integration with Microsoft SharePoint, Sentry File, etc.

- No open platform for developing custom workflow applications.

NOTES:

•The data in this report has been culled from public information. In order to ensure that our reports are as accurate as possible, we request that vendors review reports before they are

Notes

Best Use

Small to mid-size businesses and workgroups for producing B&W and color output, and who also require casual/occasional network scanning and fax. Also suitable for some graphic-arts applications with the ability to print on heavier stock (up to 120 lb. index) and on up to 11" x 17" media. Optional solutions also make it suitable for users that require advanced automation of scanning tasks, including integration with Microsoft SharePoint for automatic routing and distribution of scanned files.

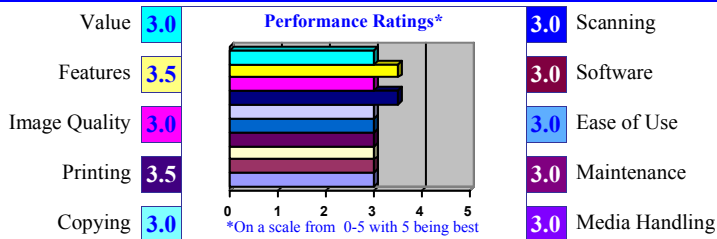
Wirth Consulting - Office ©Head2Head Comparison

Make Océ	Imaging Laser
Model CM2510	Functions Print/Copy/Scan/Fax
Base Price	\$11,295.00
Monthly Duty Cycle (pages)	90,000
BW/Color Print Speed (ppm)	25/25
Max Media Width (inches)	12.00
Classification	A3 Color MFPs From 20-25 PPM



Background Information

Océ this A3 color MFP in August 2007. As with most MFPs in this class, fax is optional, so that customers who do not require fax do not pay for it. The ability to print full-bleed 11" x 17" images on 12" x 18" media, as well as the ability to print on up to 110 lb. index stock, make it suitable for some graphic-arts applications. It should also be a good fit for where data and documents must be kept secure, as it features hard-drive overwrite and optional 128-bit encryption of print, copy, scan and fax data. Super Group 3 fax is optional.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
31.0		

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month			
2,000 pages per month			
3,000 pages per month			
4,000 pages per month			
5,000 pages per month			

*Base Price

Strengths	Limitations
<ul style="list-style-type: none"> •Print from and scan to USB memory cards. •Standard 40-GB hard drive for collation, secure print, save files. •Optional PostScript 3 emulation. •600 x 600 dpi in print mode, 1,200 x 1,200 dpi in copy mode. •Scan to e-mail (supports LDAP), file, FTP, SMB, hard-drive memory, Internet fax; TWAIN driver. Desktop Document Manager software for managing scanned documents and electronic files. •Four USB ports with workspace. •Print on up to 110 lb. index stock (53 lb. bond) via bypass tray. •Optional tandem copy/print option (link together two CM2510 systems and virtually double print/copy speeds). •Optional staple/sort, saddle-stitch booklet-making, document hole-punching. •Optional Super Group 3 fax, Internet fax. •Security provisions include IP/MAC address filtering, SSL, optional Data Security Kit, (128-bit encryption for completed scan, copy, print and fax data), hard-drive overwrite, user authentication, protocol enable/disable. 	<ul style="list-style-type: none"> •No open platform for developing custom workflow applications. <p>NOTES:</p> <ul style="list-style-type: none"> •The data in this report has been culled from public information. In order to ensure that our reports are as accurate as possible, we request that vendors review reports before they are

Best Use
Small to mid-size workgroups and businesses, and enterprise use, for producing B&W and color print volumes, and for users who may also require network scanning. The ability to print on heavier stock (up to 110 lb. index) may also make it suitable for some graphic-arts applications. Security provisions make it suitable for environments where it is important to keep data and documents confidential.

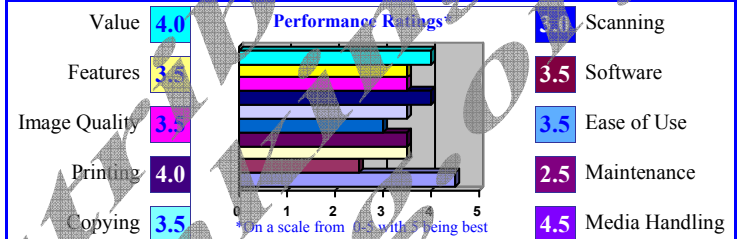
Wirth Consulting - Office ©Head2Head Comparison

Make Océ	Imaging Laser
Model CM2522	Functions Print/Copy/Scan/Fax
Base Price	\$10,315.00
Monthly Duty Cycle (pages)	75,000
BW/Color Print Speed (ppm)	25/25
Max Media Width (inches)	12.00
Classification	A3 Color MFPs From 20-25 PPM



Background Information

Introduced by Océ North America in June 2008, this A3 color MFP is in the mid-range of Océ's color MFP family, which includes models with print speeds of up to 65/40 ppm. While Océ, which is headquartered in the Netherlands, is primarily known for its "big iron" digital production-print systems that sell for hundreds of thousands of dollars, it also markets "best of breed" printers and MFPs sourced from third parties. The CM2522 boasts a 1 GHz CPU and can be equipped with an EFI Fiery controller for more power and for professional graphic-arts and proofing applications. Optional Super Group 3 fax.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
35.5	\$0.02358	\$0.04087

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$11,640.00	\$12,677.37	\$11,865.93
2,000 pages per month	\$12,965.00	\$15,039.74	\$13,520.01
3,000 pages per month	\$14,290.00	\$17,402.11	\$15,174.09
4,000 pages per month	\$15,615.00	\$19,764.47	\$16,828.18
5,000 pages per month	\$16,940.00	\$22,126.84	\$18,482.26

*Base Price

Strengths	Limitations
<ul style="list-style-type: none"> •Low color consumables' cost per page of 4.0 cents. •600 x 600 dpi copy resolution, 1,800 x 600 dpi enhanced printer resolution. •Standard 60-GB hard for collation, secure print, save files, etc. •10/100/1000BASE-TX Ethernet network interface. •Scan-to-e-mail, desktop, hard-drive memory, USB memory cards. •Print from and scan to USB memory cards. •8.5" color touch screen; control panel can be tilted for easier operation. •Print on up to 12" x 18" media for printing full-bleed 11" x 17" images via two standard paper drawers; two optional paper drawers also accept up to 12" x 18" media.. •Security provisions include SSL encryption, user authentication, IP filtering, hard-drive erase, port filtering, copy protect, optional Biometric Authentication (authenticates users with registered fingerprints before they can access control panel), hard-drive encryption, hard-drive overwrite, etc. •Optional EFI Fiery print controller (approximately \$4,000) for more powerful performance, professional graphic arts and proofing. •Optional Super Group 3 fax. •Optional staple/sorting, saddle-stitch booklet-making, document hole-punching. 	<ul style="list-style-type: none"> •No open platform for developing custom workflow applications. •Higher B&W consumables' cost per page of 2.3 cents. <p>NOTE:</p> <ul style="list-style-type: none"> •The data in this report has been culled from public information. In order to ensure that our reports are as accurate as possible, we

Best Use
For small/mid-size businesses and workgroups, and enterprise use, where a versatile and productive color printer/copier is required. Also suitable for security-sensitive environments, and graphic-arts/very light production applications, the last of which may require printing of full-bleed 11" x 17" images on 12" x 18" media and/or printing on heavier paper stock (up to 140 lb. index). Optional Electronics for Imaging (EFI) Fiery controller for graphic-arts, color proofing, and light production applications.

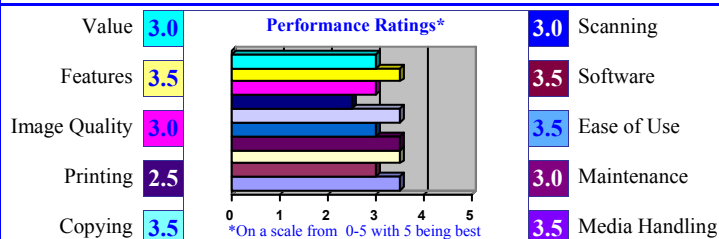
Wirth Consulting - Office ©Head2Head Comparison

Make Panasonic	Imaging Laser
Model DP-C213	Functions Print/Copy/Scan/Fax
Base Price	\$11,995.00
Monthly Duty Cycle (pages)	30,000
BW/Color Print Speed (ppm)	21/21
Max Media Width (inches)	12.00
Classification	A3 Color MFPs From 20-25 PPM



Background Information

The DP-C213 is the entry-level member of Panasonic's C3 Series Color MFP family. Super Group 3 fax is optional, as is network scanning/scan-to-e-mail. It features notable paper-handling capability. While users can print on up to 11" x 17" via the main paper drawers, they can print on up to 12" x 36" from the bypass tray, for printing on banner sheets, and for producing full-bleed, edge-to-edge 11" x 17" images on 12" x 18" paper. The bypass tray also enables users to print on heavier stock (up to 121 lb. index), also making it appropriate for some graphic-arts applications.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
32.0	\$0.00590	\$0.04511

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$12,349.00	\$14,701.86	\$13,001.95
2,000 pages per month	\$12,703.00	\$17,408.71	\$14,128.86
3,000 pages per month	\$13,057.00	\$20,115.57	\$15,255.76
4,000 pages per month	\$13,411.00	\$22,822.43	\$16,382.66
5,000 pages per month	\$13,765.00	\$25,529.29	\$17,509.56

*Base Price

Strengths

- Print on up to 12" x 36" via bypass tray (enables full-bleed 11" x 17"). Also print on up to 121 lb. index (approximately 59 lb. bond) via bypass tray.
- SD port for directly printing photos from SD memory cards, PC card slots.
- Large color touch screen that can be tilted for easier viewing and operation.
- User authentication, hard-drive erasing.
- Optional Adobe PostScript 3 print driver (not an emulation)
- Optional scan-to-e-mail (supports LDAP) and network scanning.
- Optional Document Distribution System software for automatically performing OCR and routing scanned images and inbound faxes to specified network folders (with automatic user notification). Optional converting of scanned files into text-searchable and secure Adobe PDF formats.
- Optional job-accounting software; data can be viewed via Web browser.
- Optional stapling, booklet-making, document hole-punching.
- Optional hard drive for collation, secure print, save files, etc.
- Optional Remote Operation Panel software enables users to operate the control panel from their computer workstation (ideal for handicapped users).
- Optional Super Group 3 fax.

Limitations

- No open platform for developing custom workflow applications.
- Comparatively higher B&W and color consumables' cost per page.

Notes

Best Use

Small to mid-size businesses and workgroups that require a color MFP for producing primarily B&W and occasional color output. Also suitable for applications (typically graphic arts) that require 12" x 18" media capability for producing full-bleed (edge-to-edge) 11" x 17" images, and who may also require printing on heavier stock (up to 129 lb. index). (The bypass tray can also be used to print on up to 12" x 36" media.) Optional network scanning can be enhanced with optional document distribution software for automatic

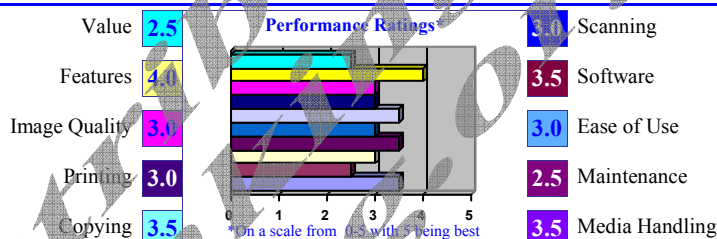
Wirth Consulting - Office ©Head2Head Comparison

Make Ricoh	Imaging Laser
Model Aficio MP C2000 SPF	Functions Print/Copy/Scan/Fax
Base Price	\$10,988.00
Monthly Duty Cycle (pages)	
BW/Color Print Speed (ppm)	20/20
Max Media Width (inches)	11.00
Classification	A3 Color MFPs From 20-25 PPM



Background Information

Launched by Ricoh in September 2007, the Aficio MP C2000 SPF is available in several different configurations. Models designated with "SPF" indicate that fax is standard. The Aficio MP C2000 SPF includes standard network printing and scanning. The Aficio MP C2030 configuration includes a TWAIN scan driver, but not network scanning, while the Aficio MP C2050 including network scanning as well as a standard Adobe PostScript 3 print driver. Each model can be expanded with a wide range of media, document-finishing, and workflow solutions. Super Group 3 fax is optional.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
41.5	\$0.00400	\$0.03200

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$11,228.00	\$12,908.00	\$11,670.12
2,000 pages per month	\$11,468.00	\$14,828.00	\$12,462.12
3,000 pages per month	\$11,708.00	\$16,748.00	\$13,254.12
4,000 pages per month	\$11,948.00	\$18,668.00	\$14,046.12
5,000 pages per month	\$12,188.00	\$20,588.00	\$14,838.12

*Base Price

Strengths

- Standard 40-GB hard drive for collation, secure print, save files, etc.
- Standard Adobe PostScript 3 print driver.
- Scan to e-mail, folder, URL; supports LDAP; TWAIN scan driver. Merge scanned files with electronic files.
- Web Image Monitor, and SmartDeviceMonitor and Web SmartDeviceMonitor for job monitoring and network management.
- Optional direct printing of photos downloaded from digital cameras.
- Optional staple/sort, saddle-stitch booklet-making, document hole-punching.
- Print on up to 140 lb. index (67 lb. bond).
- Main paper sources accept up to 11" x 17" media; bypass can be used to print on up to 12" x 18" media for producing full-bleed (edge-to-edge) 11" x 17" images on 12" x 18" media.
- Optional DeskTopBinder document-management software, optional Adobe PostScript 3 print driver, optional wireless LAN, Bluetooth wireless.
- Security provisions include SNMP v3, password/address-book encryption, Adobe PDF Direct-Print Password Protection, user codes, user authentication, Adobe PDF encryption, optional hard-drive over, optional Copy Data Security Kit (embed copies with watermark to discourage copying).
- Optional Super Group 3 fax.

Limitations

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

NOTES:

•The data in this report has been culled from public information. In order to ensure that our reports are as accurate as possible, we

Notes

Best Use

Small to mid-size businesses and workgroups, and enterprises, that require a color printer/copier for producing B&W and color output, and for printing on up to 11" x 17" media (as well as for printing full-bleed 11" x 17" images on 12" x 18" media), and for users who may also require printing on heavier stock (up to 140 lb. index). Security provisions make it suitable for environments where it is important to keep documents and data confidential. It will also be suitable for some security-sensitive applications.

Wirth Consulting - Office ©Head2Head Comparison

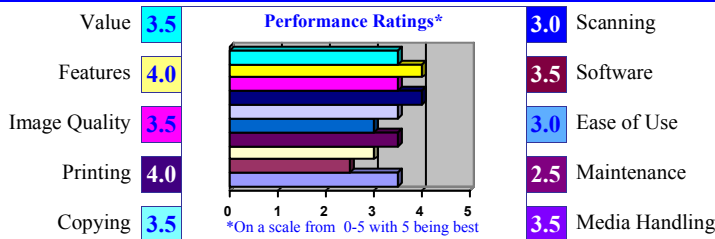
Make	Ricoh	Imaging	Laser
Model	Aficio MP C2500 EFI	Functions	Print/Copy/Scan/Fax
Base Price	\$10,750.00		
Monthly Duty Cycle (pages)			
BW/Color Print Speed (ppm)	25/25		
Max Media Width (inches)	12.00		
Classification	A3 Color MFPs From 20-25 PPM		

Well Worth Consideration!



Background Information

This A3 color MFP is part of the C2500/C3000/C3500/C4500 EFI Series, which consists of Ricoh color MFPs equipped with Electronics for Imaging (EFI) Fiery print controllers. The Aficio SP C2500 EFI is the entry-level member of the series, and boasts a Fiery E3000 print controller running System 8e. This Fiery controller incorporates a 2 GHz Intel Celeron CPU for more powerful performance, and includes advanced Fiery color-management tools (ColorWise Pro Tools, Spot-color management, RGB Separations), and variable data printing (VDP), etc. Options include advanced job submission and Super Group 3 fax.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
34.0	\$0.00400	\$0.03200

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$10,990.00	\$12,670.00	\$11,434.50
2,000 pages per month	\$11,230.00	\$14,590.00	\$12,226.50
3,000 pages per month	\$11,470.00	\$16,510.00	\$13,018.50
4,000 pages per month	\$11,710.00	\$18,430.00	\$13,810.50
5,000 pages per month	\$11,950.00	\$20,350.00	\$14,602.50

*Base Price

Strengths

- Fiery Command Workstation for remote job and document management, Fiery Web Tools. Fiery controller provides RIP-while-print, continuous print, RGB separation, secure erase, variable data printing (VDP).
- Fiery ColorWise Pro Tools software provides extensive color management for CYM/RGB (red, blue, green) Spot-Color workflow.
- Options for advanced job imposition, color profiles, Hot Folders, VDP, spot-color management and auto trapping, EFI Color Profiler Suite.
- Scan to e-mail, folder (SMB/FTP) URL, Fiery Hold Queue, Fiery mailbox, Internet fax; supports LDAP; TWAIN scan driver.
- First paper drawer accepts up to 8.5" x 11" media; second drawer accepts up to 11" x 17" media; bypass accepts up to 12" x 18" media (for full-bleed 11" x 17" images). Bypass accepts up to 140 lb. index (67 lb. bond).
- Capable Web Image Monitor, SmartDeviceMonitor for Admin and Web SmartDeviceMonitor for job-monitoring and network management.
- Embedded Software Architecture, a Java-compatible Software Development Kit (SDK), for creating custom workflow applications.
- Security provisions include Fiery authentication, user codes, port blocking, IP filtering, hard-drive erase.
- Optional document finishing, optional fax.

Limitations

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

NOTES:

•The data in this report has been culled from public information. In order to ensure that our reports are as accurate as possible, we

Notes

Best Use

Primarily for graphic arts, color proofing, and mid-range print volumes in small to mid-size businesses and workgroups, and enterprises, including color applications (typically graphic arts) that require advanced color management and matching, the ability to print on heavier stock (up to 140 lb. index) and for producing full-bleed 11" x 17" images on 12" x 18" media. Also suitable for light production and document-finishing applications.

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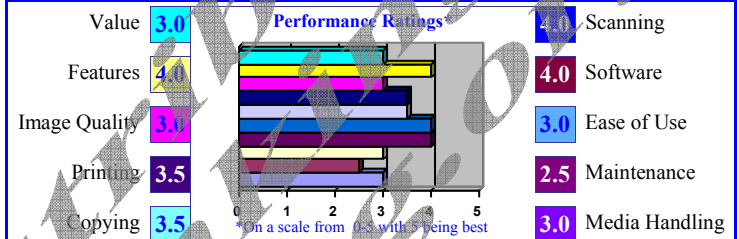
Make	Ricoh	Imaging	Laser
Model	Aficio MP C2550	Functions	Print/Copy/Scan/Fax
Base Price	\$7,500.00		
Monthly Duty Cycle (pages)			
BW/Color Print Speed (ppm)	25/25		
Max Media Width (inches)	12.00		
Classification	A3 Color MFPs From 20-25 PPM		

Well Worth Consideration!



Background Information

Ricoh introduced the Aficio MP C2550 in December 2008, marketing it as an A3 color MFP for SMB with features typically reserved for more expensive MFPs. Some of these features include an Adobe PostScript print driver (not an emulation), extensive standard security provisions (as well as an optional card-authentication system, so that users must swipe a plastic card before using the control panel), printing on 12" x 18" media for producing full-bleed 11" x 17" images, and options from partner eCopy for advanced ShareScan scanning and distribution solutions. Optional Super Group 3 fax.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
33.5	\$0.00500	\$0.05600

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$7,800.00	\$10,860.00	\$8,731.80
2,000 pages per month	\$8,100.00	\$14,220.00	\$10,038.60
3,000 pages per month	\$8,400.00	\$17,580.00	\$11,345.40
4,000 pages per month	\$8,700.00	\$20,940.00	\$12,652.20
5,000 pages per month	\$9,000.00	\$24,300.00	\$13,959.00

*Base Price

Strengths

- Print on up to 140 lb. index stock (68 lb. bond) via the 1st paper drawer and bypass tray. Optional internal finisher for sorting/stapling.
- Universal Print Driver for printing to most printers and MFPs with a single print driver; 60-GB hard drive for collation, save files, etc.
- Scan to and print from USB memory cards; option for printing directly from digital cameras.
- Main paper sources accept up to 11" x 17"; bypass tray accepts up to 12" x 18" (for full-bleed 11" x 17" images).
- Capable SmartDeviceMonitor and Web SmartDeviceMonitor for network management; client version also.
- PANTONE color-matching; CLP simulations.
- Scan-to-e-mail (supports LDAP), folder (SMB, FTP, NCP), URL; TWAIN scan driver. Optional eCopy ShareScan, ShareScan Suite, Global Scan workflow and document routing and distribution.
- Embedded Software Architecture, a Java-compatible Software Development Kit (SDK), for creating custom workflow applications.
- Security provisions include SNMPv3, data encryption, optional ID card authentication, Windows/LDAP/Kerberos authentication, SSL, etc. 802.1x wired authentication, IP filtering, etc.
- Optional Super Group 3 fax.

Limitations

•Higher color consumables' cost per page of 5.6 cents.

NOTES:

•The data in this report has been culled from public information. In order to ensure that our reports are as accurate as possible, we request that vendors review reports before they are published. Please note that

Notes

Best Use

Small to mid-size businesses and workgroups, and enterprises, for producing primarily B&W and occasional color output, and for network scanning. Also suitable for graphic-arts, color proofing, and light-production applications that require the ability to print on heavier stock (up to 140 lb. index), the ability to produce full-bleed 11" x 17" images on 12" x 18" media, and/or that require PANTONE color-matching. Also suitable for advanced (optional) scan applications including automatic document distribution and routing, and other advanced

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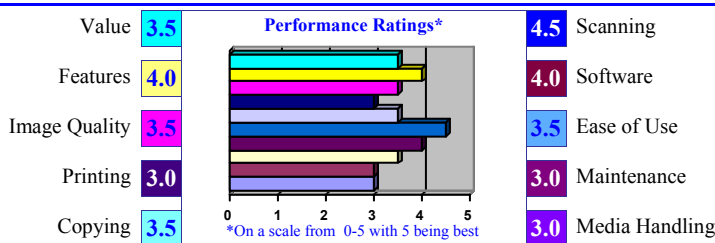
Make Sharp	Imaging Laser
Model MX-2300N	Functions Print/Copy/Scan/Fax
Base Price \$11,295.00	
Monthly Duty Cycle (pages)	
BW/Color Print Speed (ppm) 23/23	
Max Media Width (inches) 11.00	
Classification A3 Color MFPs From 20-25 PPM	

Well Worth Consideration!



Background Information

Introduced in 2006, the MX-2300N is part of a series of Sharp color MFPs based on a scalable engine design, with models ranging from 23 to 70 ppm. At 23 ppm, the MX-2300N is the entry-level MFP in the series. It features Sharp's OSA open development platform for creating custom applications, for instance, for automatically routing scanned documents to a wide range of workflow applications. Super Group 3 fax is optional, as is a PostScript 3 emulation print driver, and document-finishing options for stapling, saddle-stitch booklet-making and document hole-punching.



Total Ratings Score	Black Consumables Cost Per Page	Color Consumables Cost Per Page
35.5	\$0.00417	\$0.02997

Total Cost of Ownership*	Black	Color	Mixed
1,000 pages per month	\$11,545.00	\$13,093.00	\$11,940.39
2,000 pages per month	\$11,795.00	\$14,891.00	\$12,698.73
3,000 pages per month	\$12,045.00	\$16,689.00	\$13,457.07
4,000 pages per month	\$12,295.00	\$18,487.00	\$14,215.41
5,000 pages per month	\$12,545.00	\$20,285.00	\$14,973.75

*Base Price

Strengths

- Low B&W and color consumables' cost per page of 0.4 and 3.0 cents respectively.
- Optional PostScript 3 print driver, standard PCL 5c, PCL 6 drivers.
- Standard 40-GB hard drive for collation, private print, save file, etc.
- Scan to e-mail, computer desktops, FTP sites, folders (SMB), USB, Internet fax (optional), Super G3 fax (optional).
- ImageSEND feature enables users to scan documents to up to seven different destination types in a single procedure.
- Send-to-Group function enables users to send a mixed group broadcast to e-mail, fax, and Internet fax in a single procedure.
- Scan to and print from USB memory cards.
- Supports Sharp's OSA open platform development for access to network applications such as Enterprise Resource Planning software, workflow applications, etc., from the touch screen/control panel.
- Print on up to approximately 115 lb. index (56 lb. bond) via bypass tray. Up to six paper sources.
- Optional staple/sort, booklet-making, document hole-punching.
- Security provisions include IP/MAC filtering, protocol filtering, port-management, user authentication, document administration.
- Optional fax.

Limitations

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

NOTES:

- In the "Consumables Pricing and Yields" chart, Color Developer (cyan, yellow, magenta) is priced at \$850 and rated to yield

Notes

Best Use

Small to mid-size businesses/workgroups, and enterprise use, that require a versatile and easy-to-use color MFP for producing both B&W and color output, and for printing on up to 11" x 17" media. Also suitable for users with higher-volume scanning tasks, as scanned documents can be sent to multiple destinations in a single operation, and custom scanning applications can be created with Sharp's OSA technology. Very suitable for integration with advanced workflow solutions.