



KONICA MINOLTA

## **bizhub 423/363/283/223**

Monochrome multifunction devices  
for lower cost of ownership



**bizhub**

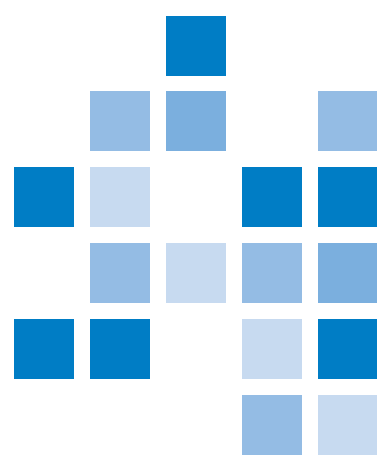


# The multifunction device designed to **cut more than your costs**

Konica Minolta has developed a multifunction device with the user in mind. The bizhub 423/363/283/223 cuts your costs of ownership and reduces your impact on the environment while you do business.

Plus the new bizhub 423/363/283/223 black-and-white multifunction device boasts colour scanning, enabling you to easily share your colour and monochrome documents.





# The bizhub 423 Series has the answer



## Q) How do I incorporate colour documents in my monochrome workflow?

**Colour Scanning** – You can digitise, save, share and reuse colour documents easily by scanning them and printing in monochrome.

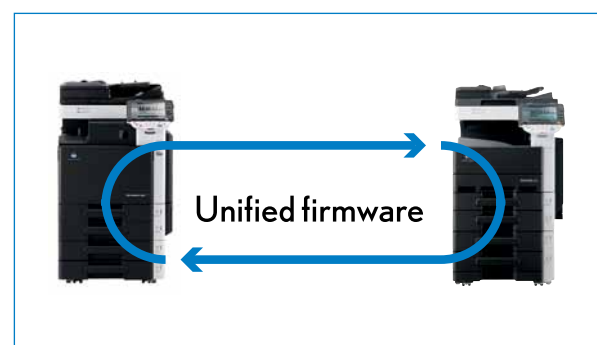
## Q) How do I streamline my office's document management needs?

**Smart Output Management and Unified Firmware** – You can choose between biometric\* and non-contact IC\* card authorisation to suit your application, and energy and paper usage can be controlled by several copy number, print and fax output functions. Universal management of all your multifunction devices is easy on your network because the 423 series uses the same firmware as colour models in the bizhub range of products.

\* Option

## Q) How do I minimise my environmental impact and total product lifecycle costs?

**Total Design Philosophy** – Using less materials in construction, the 423 series complies with environmental regulations, offers low energy use, respects the environment and helps your bottom line.



# Consider the environment

You can save the world's resources while you work, and at the same time ensure that your office is a pleasant working environment.

## Toner Recycling Mechanism

With the bizhub 423/363/283/223 you can recycle untransferred toner to reduce the generation of toner waste.

The cleaning blade removes all toner that is not transferred from the photoconductor and carries it through the recycle duct to the developing unit.

## Environmentally Kind Toner

In 2000, Konica Minolta introduced the revolutionary new Simitri toner, the world's first polymerised toner for digital monochrome multifunction devices, made from biomass, a plant-based resource. The result is perfect images printed with minimal environmental impact.

## It's Quiet

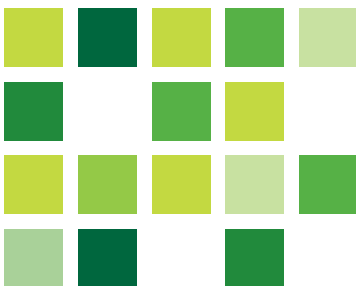
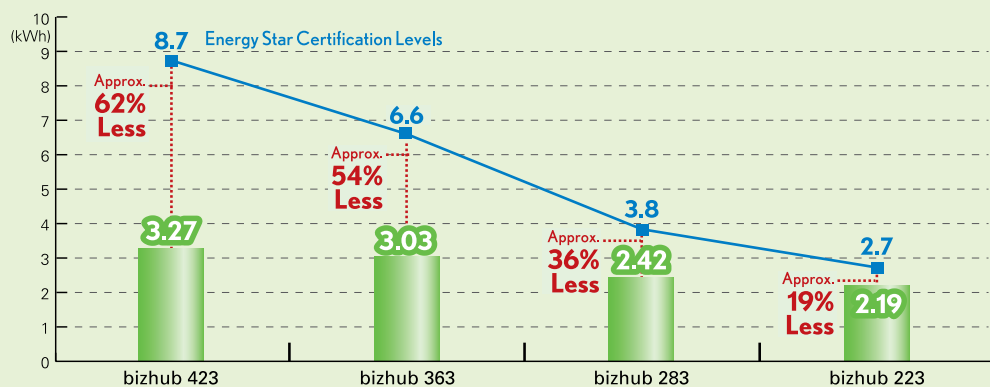
The bizhub 423 series is the quietest multifunction device in its class in standby mode. High performance doesn't mean high noise levels, with the ADF featuring noise reduction to minimise interference in your working environment.

## Save Your Energy

You can save on energy costs with the bizhub 423 series. Its TEC\* values gain Energy Star certification with ease, surpassing them by up to 62% in the case of the bizhub 423.

\*TEC (Typical Electricity Consumption) is the method used by Energy Star.

**bizhub 423 Series TEC Levels vs. Energy Star Certification Levels**





The bizhub 423 series brings many of the features of colour multifunction devices together with monochrome output to keep running costs as low as possible.

### Colour Scanning

You can store and share colour documents using the inbuilt colour scanner, while reducing costs by printing in monochrome.

### High Quality Monochrome Output

You can print high quality monochrome output without having to worry about gradation shifts. Optimised screens ensure that the print engine minimises gradations and graininess.

### Image Processing Engine

A new ASIC image processing engine ensures high quality monochrome prints.

### Open API

Workflows can be customised using Konica Minolta's proprietary API system.

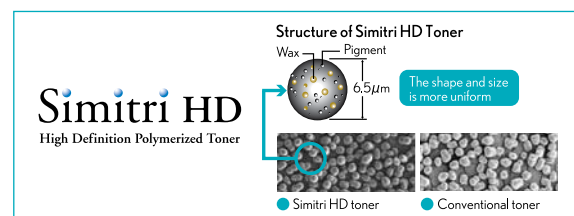
### Integration with Colour multifunction devices

Colour devices can be completely integrated through newly developed firmware.



### Simitri HD Toner with Biomass

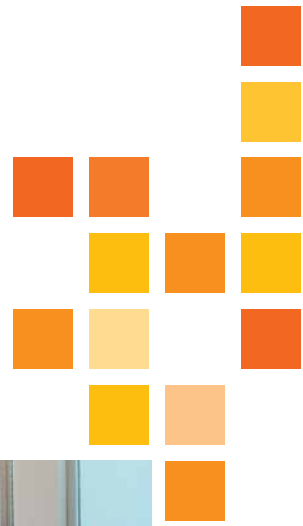
The bizhub 423 series boasts Simitri HD Toner with biomass. Simitri HD Toner ensures brilliant image quality every time.



	Dots	Lines	Text
Conventional toner			
Simitri HD toner			

● Comparison of conventional toner and Simitri HD toner. (Internal testing)

# Exceptional document handling



The bizhub 423 series delivers the kind of high performance you expect to find on more costly multifunction devices.

## High Speed Network Scanning

Your office can experience the benefits of a colour workflow without the costs. The bizhub 423 series can scan at a speed of 70 opm, in colour or monochrome, and automatically detect mixed colour/monochrome and mixed size documents without pre-scanning, saving you more time.

## Multi-Method Send

This time-saving function enables you to scan a document and send the data to several destinations at once, including PCs, email addresses, and more. You can also send documents to numerous contacts with varying network environments.

### Scan to SMB

Send scanned data directly to a shared folder on a PC.

### Scan to FTP/WebDAV

Send large or multiple documents to a server to make saving and sharing easier and quicker.

### Scan to Box

Send documents to the Box, from which they can be sent or shared.

### Scan to USB Memory

Scan documents directly to an attached USB device for even greater convenience and security.

### Scan to E-mail

Send documents to e-mail addresses as attachments. This function is compatible with S/MIME encryption and LDAP to retrieve addresses easily.



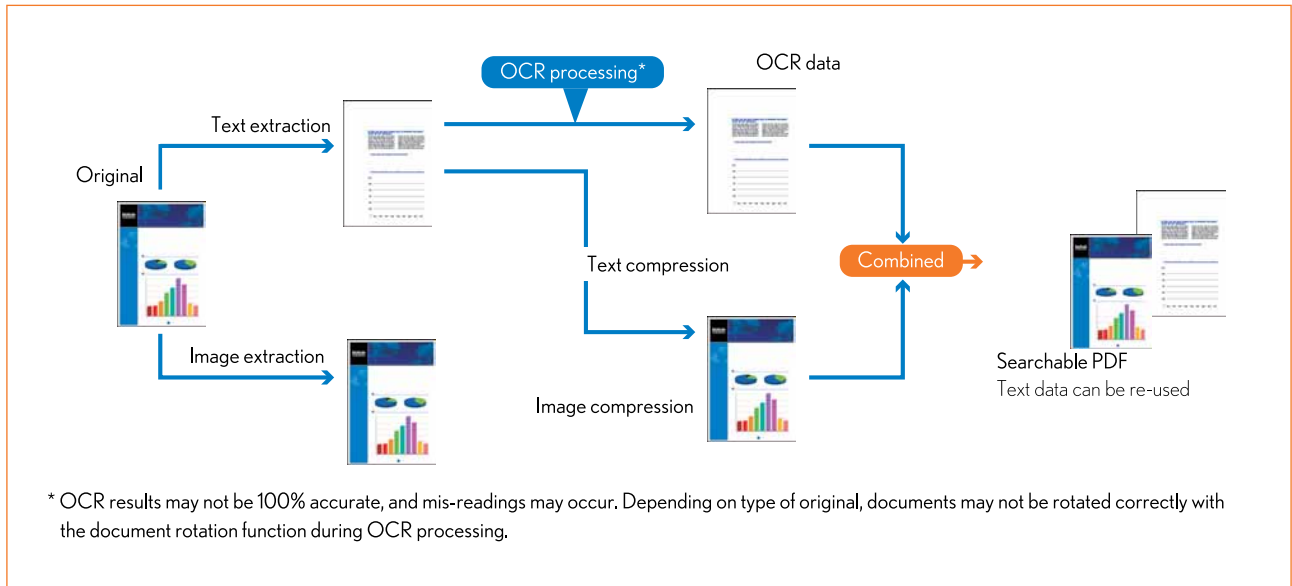
## Searchable PDF\*

You can save scanned documents as PDF files with selected text and data using Optical Character Recognition (OCR) processing. You can also search for keywords in the PDF text, and copy and paste the desired text into other applications.

\*Optional.

## Compact PDF

The Compact PDF function can automatically separate a large file into text and photo areas, to reduce the size of PDF files for easier saving and sending. Image quality is preserved as per the original.



## For a Smoother Workflow

### PageScope Web Connection

Information on the device's status and settings can be found on a web based network utility.

### PageScope Workware

This manages data as PDF files to enable easy editing, processing and searching.

### Box Function

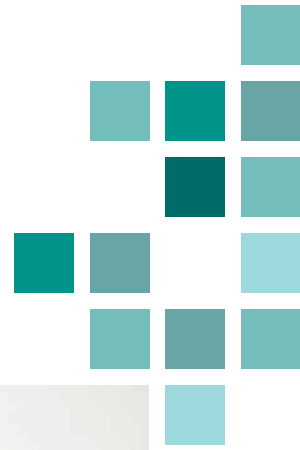
Saves scan, copy, print or fax data to the Box, making information sharing easier than ever.

### PageScope Box Operator

This function lets you view, download, reprint, rename and delete files stored in the User Box.



# Better performance, **easier to use**



Konica Minolta makes complex processes easy to accomplish by focusing on the needs of every user and addressing them directly.

## Colour LCD Panel

The new bizhub 423 series uses a large 216 mm colour LCD screen with four adjustable tilt angles for easy viewing. The intuitive layout and easy-to-read interface promises hassle free navigation.







## Guide Functions

Two Guide functions make it easier than ever to use features. The Guidance function shows information for the feature currently being used, and the Animation Guidance takes users through the process of removing paper jams.



## Universal Design

Everyone in your office can open, close and replenish the paper trays with the easy-to-use overhand and underhand grips.



## Easy Setting Keys

Easy access to as many as four common functions can be set up and displayed on the main menu.

## Stylish Design

The new bizhub 423 series will make a stylish statement in your office with its stylish infoline design.



# Comprehensive output solutions

The bizhub 423 series enables you to be more productive. At the same time it can reduce valuable time and resources saving you money.

## Diverse Finishing Options

Whatever your demands in finishing options, the bizhub 423 series provides a solution to suit. Choose the floor finisher for a wide range of features, or the internal finisher to save floor space.

### FS-527 Floor Finisher

The FS-527 offers stapling, optional saddle-stitching and hole punching for easy preparation of high quality presentation materials and reports. The optional JS-603 Job Separator can divide finished documents between three trays to suit different delivery destinations.



### FS-529 Inner Finisher

This is situated inside the main body to save floor space, and offers stapling and separating functions.

### JS-505 Job Separator

The optional JS-505 Job Separator can divide finished documents to suit different delivery destinations.



## Finishing Tasks and Necessary Options

<b>FS-527 Stapling Function</b>	<p>Corner staple      2-point staple (Side)</p>	Finisher FS-527 Up to 50 sheets
<b>FS-529 Stapling Function</b>	<p>Corner staple      2-point staple (Side)</p>	Finisher FS-529 Up to 50 sheets
<b>Booklet Function &amp; Folding Function</b>	<p>Centre staple and folding      Fold      Tri-Fold (SD-508 only)</p>	Finisher FS-527 + Saddle Sticher SD-509 Up to 15 sheets
<b>Hole Punching Function</b>	<p>2-hole      2-hole top      4-hole</p>	Finisher FS-527 + Punch Kit PK-517 <sup>8</sup> Punch Paper Up to 256g/m <sup>2</sup>



## Quick Start

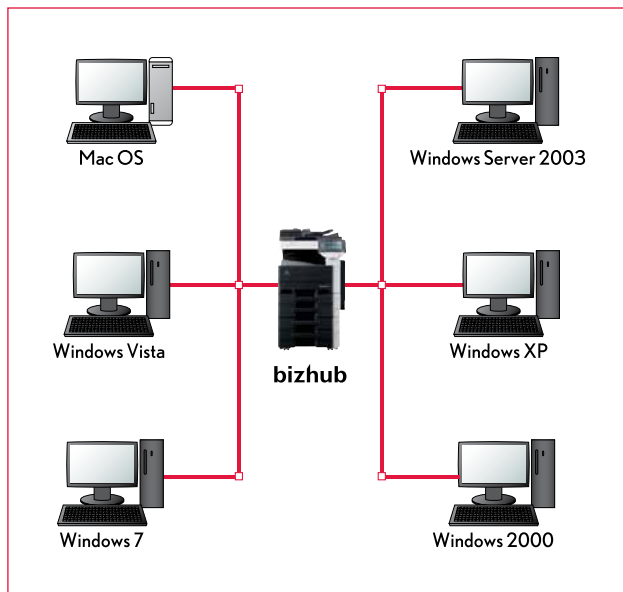
The bizhub 423 series is capable of a warm-up time of just 12 seconds or less when in Sleep Mode, and a first copy output time of just 3.6 seconds or less. This ensures greater productivity and reduced energy consumption.

## Duplex/n-in-1 Copy & Print

Save paper and reduce print costs by using the n-in-1 function to print up to 16 pages on one sheet, or 8 pages for copying. The optional Reverse ADF makes duplex copying and printing a breeze, again saving on costs and paper.

## Network Print

Konica Minolta's proprietary Emperon print controller enables standard network printing, whatever the combination of operating systems you may have on your network.



## Paper Capacity

There are two 500-sheet universal trays and a 150-page multi-bypass tray as standard, for a maximum paper capacity of 3,650 sheets with the PC-409 Paper Feed Cabinet. The multi-bypass tray can handle stocks up to 210g/m, providing even greater choice in finished document options.

**Maximum Capacity:** 3,650 (80g/m) with the optional PC-409 Paper Feed Cabinet

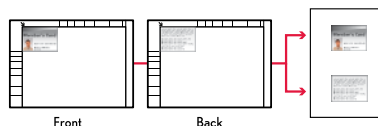
**Compatible Media:** 60-90g/m (main unit); 60-210g/m (Multiple Bypass tray)



## More Copy and Print Functions

- Booklet Copy & Print
- Direct Print from USB memory device
- Print & Save Files from mobile devices (Bluetooth)

- Card Copy



- IPv6 Compatible



# Cost effective fax solutions

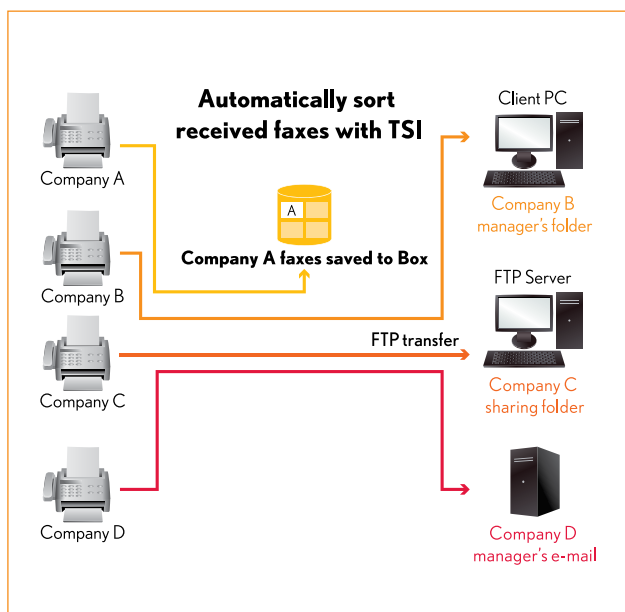
The bizhub 423 series keeps information flowing with a range of advanced fax features, while keeping costs to a minimum.

## IP Address Fax

Send a colour or monochrome fax to any SMTP-compatible device or bizhub on the network that supports IP Fax, by simply selecting an IP address. This feature uses existing network systems and does not incur additional costs.

## TSI Routing

Transmitting Subscriber Identification (TSI) recognises and sorts faxes by sender, whether they are individuals or organisations. All faxes from each sender can be automatically received and stored in a folder in the Box. Faxes can be sent separately to an e-mail, FTP or SMB server, providing extra convenience for users absent from the office.



## Colour Internet Fax

This standard feature enables cost-efficient transmission of colour and monochrome faxes to any multifunction device that supports Profile C standard, including those outside the intranet. This method takes advantage of your pre-existing internet infrastructure, helping to reduce costs even further.

## PC Fax\*

The bizhub 423 series enables users to send data directly from a PC to any fax, cutting paper waste and reducing total cost of ownership because it is not necessary to print before faxing.

\*Optional

## Extra Fax Functions

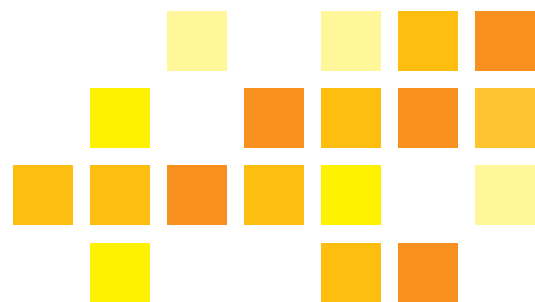
**Super G3 Fax (optional)** – Send high-speed, high quality images by fax, with exceptional cost performance.

**Spam Fax Protection** – Incoming faxes can be stored temporarily on the HDD as thumbnails and checked before printing.

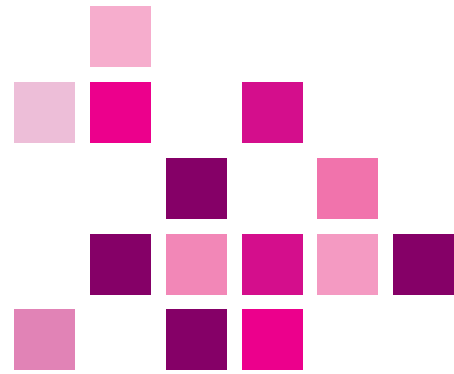
**Memory Reception** – Documents can be received, stored in memory and printed as required.

**Multi-Port Fax (optional)** – Send faxes to two destinations at once.

**Address Registration** – Store up to 2,000 individual and 100 group addresses and fax numbers for quick access and easy sending.



# Total security



## Biometric Authentication\*



This authentication process scans the unique finger veins of users so that only registered users may operate the multifunction device. This means that cards and passwords are no longer required, making the job of administrators much easier and simplifying the process for users.

\*Optional

## User Authentication

There is a standard authentication system in the body of the bizhub 423 series. For situations where there are no servers, users and departments can set permission for greater control of output and reductions in costs.

## Copy Security\* (Copy Guard and Password Copy)

Documents can be copied or printed with a special security pattern when Copy Guard is used, to prevent unauthorised copies. This function can be cancelled with the use of a password to allow the document to be copied again.

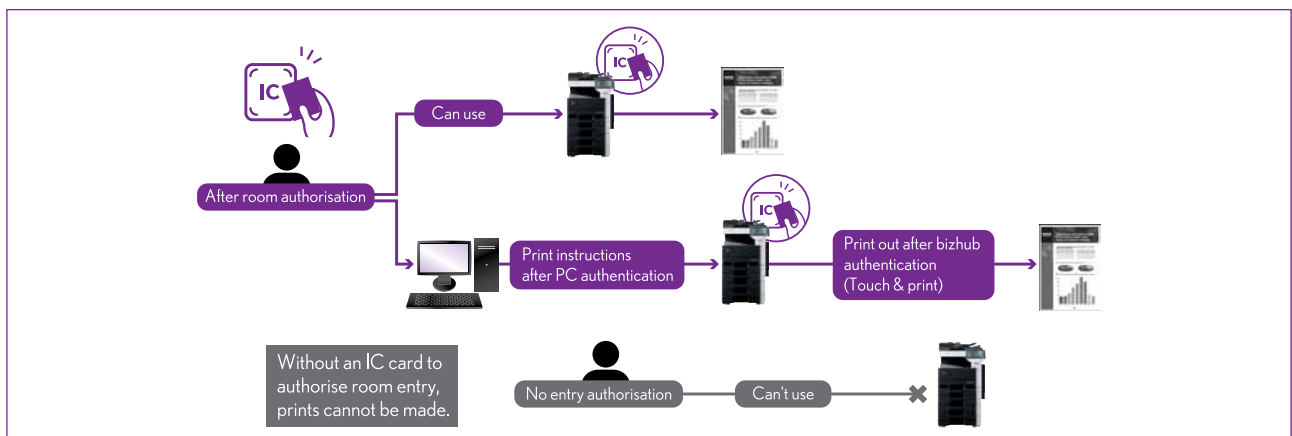
\*Optional

## Non-Contact IC Card Authentication\*

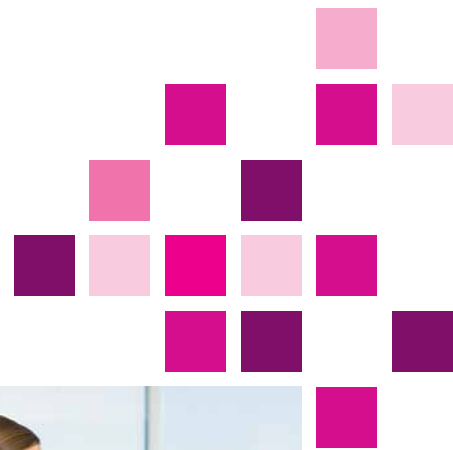


Pre-existing employee cards can be used with this security method so extra cards are not necessary. IC cards may also be used to authenticate or restrict entry to certain rooms or floors for added security.

\*Optional



# Total security (continued)



## Device Management

### PageScope Enterprise Suite

The web-based PageScope Enterprise Suite was developed to streamline the management and administration of the device, thereby controlling costs. Five optional modules simplify tasks that were once time consuming.

#### 1. PageScope Authentication Manager

This enables simple and efficient setting of authentication data for each user for multiple multifunction devices on a network. User management is integrated and streamlined.

#### 2. PageScope Account Manager

This simplifies aggregate analysis and management of network devices. Analysing detailed usage conditions, estimating costs and graphing the aggregate results help to reduce unnecessary costs and to manage costs on a group basis.

#### 3. Pagescope My Panel Manager

The control panel setting desired by each user can be customised and simultaneously stored in multiple bizhubs.

#### 4. PageScope Net Care Device Manager

System administrators can create initial settings for devices managed by PSES for streamlined device control.

#### 5. Pagescope My Print Manager

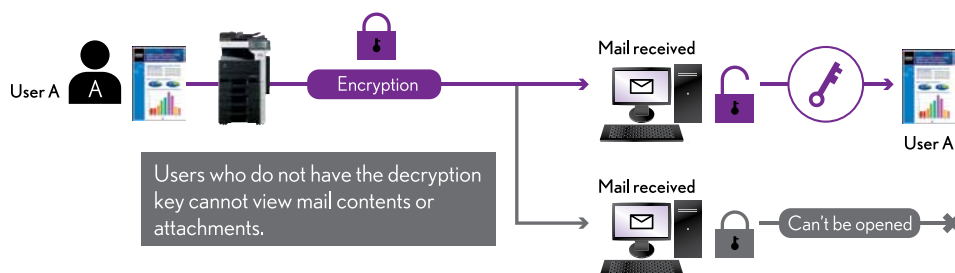
Documents can be released from any managed device to facilitate printing, so it is not necessary to check for the nearest device when sending a print job.

### More Security Features

- Fax Security\*
- NDS Authentication over TCP/IP
- HDD Lock
- Scan to Me and Scan to Home

- IEEE 802.1X Compatibility
- HDD Encryption
- Random Erase Formatting
- Job Log

- POP before SMTP
  - HDD Auto Deletion
  - Encrypted PDF Function\*
- \* Optional



# Technical specifications

## bizhub 423/363/283/223 General Specifications

Type	Console	
Colour Support	Monochrome	
Copy	Scan	Main: 600 dpi x Sub 600 dpi
Resolution	Print	Main: 1,800 dpi equiv. x Sub 600 dpi
Gradation	256	
Memory Capacity (Std./Max.)	2048 MB	
HDD	250 GB	
Original Type	Sheets, Books, Objects	
Max. Original Size	A3	
Output Size	A3 to A5, B6S <sup>1</sup> , A6S <sup>1</sup> Thick Paper	
Image Loss	Max. 4.2 mm or less for top edge, Max. 3.0 mm or less for bottom edge, Max. 3.0 mm or less for right/left edges	
Warm-Up Time (main power on / off)	12 sec. / 30 sec.	
First Copy Time (A4 Crosswise)	423, 363: 3.6 sec. 283, 223: 4.2 sec.	
Copy Speed (A4 Crosswise)	423: 42 ppm, 363: 36 ppm, 283: 28 ppm, 223: 22 ppm	
Copy Magnification	Fixed Same Magnification	1:1±0.5% or less
	Scaling Up	1:1, 154/1,224/1,414/2,000
	Scaling Down	1:0,866/0,816/0,707/0,500
	Preset	3 types
	Zoom	25-400% (in 0.1% increments)
	Lengthwise Crosswise Individual Settings	25-400% (in 0.1% increments)
Paper Capacity (80 gsm paper)	500 sheets x 2 trays (main unit), 150 sheets (Multiple Bypass Tray)	
Paper Weight	Tray 1 - 2	60 - 90 gsm
	Multiple Bypass Tray	60 - 210 gsm
Multiple Copy	1 - 9,999 sheets	
Auto Duplex	Type: Non-Stack Paper Size: Width/139.7-297 mm (5.5"-11"), Length/158-431.8 mm (6.25"-17") Paper Weight: 60-90 gsm	
Power Requirements	AC220-240V 7A (50 to 60 Hz)	
Max. Power Consumption	1.5 kW or less	
Dimensions [W] x [D] x [H]	423, 363: 623 x 799 x 816 mm, 283, 223: 623 x 794 x 700 mm	
Weight	423, 363: 78 kg, 283, 223: 66 kg	

<sup>1</sup>S: Short edge feed

## Printer Specifications (Standard)

Type	Embedded	
CPU	MPC8533E (667 MHz)	
Memory	Shared with the copier	
Print Speed	Same as Copy Speed (when using the same original)	
HDD	250 GB (Shared with the copier)	
Print Resolution	1,800 dpi equiv. x 600 dpi	
PDL	PCL 6, PCL 5e/c, PCL XL, PostScript 3	
Protocol	TCP/IP, IPX/SPX (NDS support), SMB (Net BEUI), LPD, IPP1.1, SNMP, HTTP	
Support OS	Windows 2000 SP3/XP/XP 64 bit/Vista/Vista 64 bit/Win7 Server2003/Server2003 64 bit/Server2008/Server2008 64 bit Mac OS 9.2 (PPD)/X 10.2,3,4,5/10.4,5 Intel, Linux	
Fonts	PCL	80 European fonts
	PS	137 European Type1 fonts
Interface	10BASE-T/100BASE-TX/1000BASE-T	

## Scanning Function Specifications (Standard)

Type	Full-Colour Scanner	
Interface	10BASE-T/100BASE-TX/1000BASE-T	
Driver	TWAIN Driver, HDD TWAIN Driver	
Protocol	TCP/IP (FTP, SMB, SMTP)	
Scanning Speed (A4 Crosswise)   B&W/Colour	70/70 opm (300 dpi) 42/42 opm (600 dpi)	
Scanning Size	Max. A3	
Output Format	TIFF, PDF, Compact PDF, JPEG	
Scanning Resolution	Push:	200 dpi / 300 dpi / 400 dpi / 600 dpi
	Pull:	100 dpi / 200 dpi / 300 dpi / 400 dpi / 600 dpi

## Internet Fax Function Specifications (Standard)

Protocol	Send: SMTP, Receive: POP3, TCP/IP	
Connection Mode	Full-Mode	
Sending Paper Size	A3, B4, A4	
Recording Paper Size	Max. A3	
Resolution	B/W: 200 x 100 dpi, 200 x 200 dpi, 400 x 400 dpi, 600 x 600 dpi	
	Colour/Grey Scale : 200 x 200dpi, 400 x 400dpi, 600 x 600 dpi	
Interface	Ethernet (10BASE-T/100BASE-TX/1000BASE-T)	
Colour	Support Colour Internet Fax	
Format	Send:	TIFF-F, Receive: TIFF-F
	Colour/Grey Scale:	TIFF (RFC3949 Profile-C)

## Fax Specifications (Optional)

\* Optional Fax Kit FK-508 is required.

Communication	Super G3	
Compatible Lines	Public Telephone Line, Fax Communication Line	
Line Density	G3: 8 x 3,85, 8 x 7.7, 16 x 15.4 line/mm, 600 x 600 dpi	
Modem Speed	2.4k bps 33.6k bps	
Compression	MH/MR/MMR/JBIG	
Sending Paper Size	Max. A3	
Recording Paper Size	Max. A3	
Transmission Speed	Approx. 3 sec.	
Scanning Speed (A4 Crosswise)	1.0 sec. (A4/detailed mode)	
Memory	Shared with the copier	
Number of Abbr. Dials	2,000	
Number of Program Dials	400	
Number of Group Dials	100	



KONICA MINOLTA

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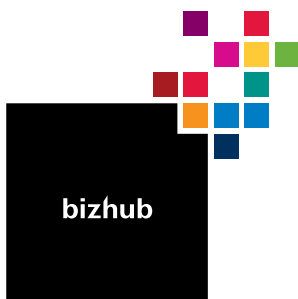
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**Ecology & Environment**

KONICA MINOLTA copiers and multi-functional products are designed with the environment in mind.

- Energy Star
- Eco-conscious Toners
- RoHS Compliance
- Production at ISO Certified Factories
- WEEE Compliance

**⚠ Requirements for safe use.**

- Please read and follow the instruction manual to ensure safe operation.
- Only operate using appropriate power supply and voltage.
- Connecting the earth wire to an inappropriate place may cause explosion or electric shock. Please connect accordingly (Taiwan and the Philippines only).