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.

Digitise colour documents

Colour original

Unified firmware
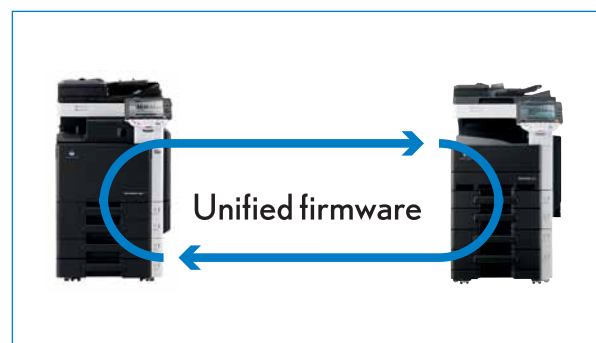
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Consider the
environment

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.
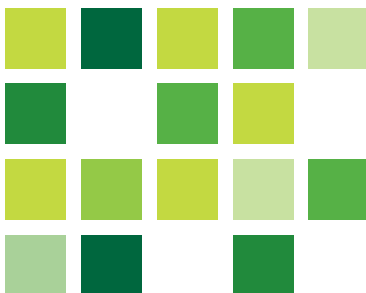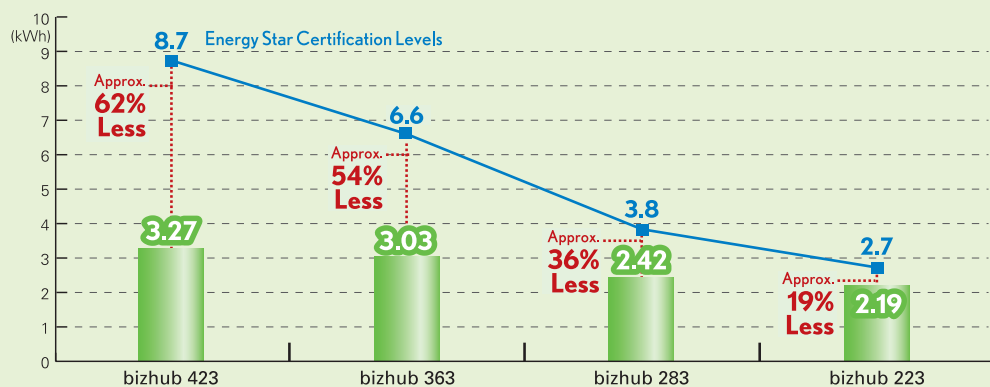
It's Quiet

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

10 (kWh)

8.7 — Energy Star Certification Levels
Approx. **62% Less**
3.27 bizhub 423

6.6
Approx. **54% Less**
3.03 bizhub 363

3.8
Approx. **36% Less**
2.42 bizhub 283

2.7
Approx. **19% Less**
2.19 bizhub 223

Innovative
technology

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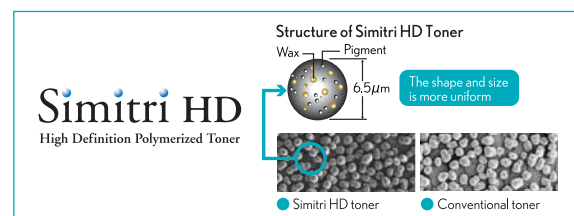
Open API
Workflows can be customised using Konica Minolta's proprietary API system.

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.

Simitri HD
High Definition Polymerized Toner

Structure of Simitri HD Toner
Wax — Pigment
$6.5\mu m$
The shape and size is more uniform

● Simitri HD toner   ● Conventional toner

	Dots	Lines	Text
Conventional toner			image,
Simitri HD toner			image,

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

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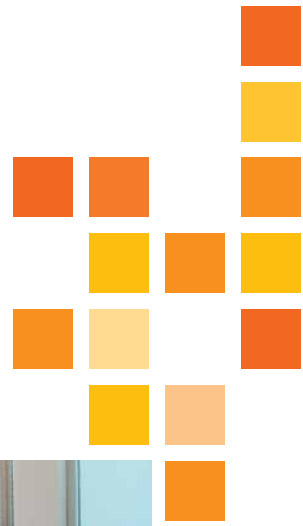
The bizhub 423 series delivers the kind of high performance
you expect to find on more costly multifunction devices.

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
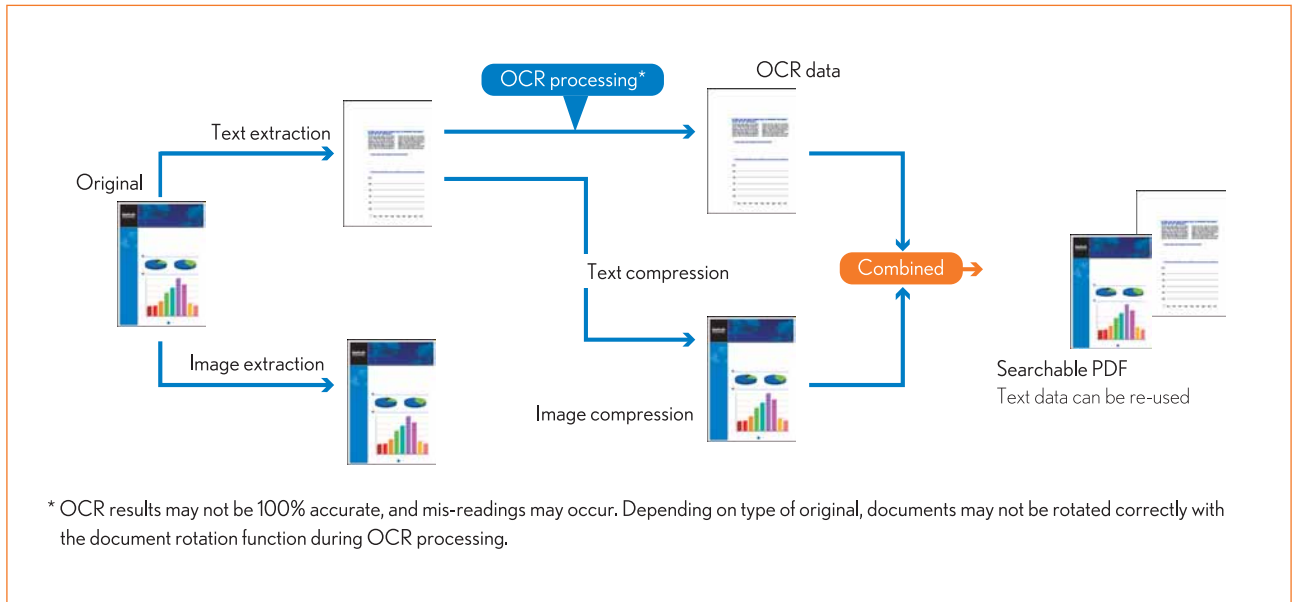and LDAP to retrieve addresses easily.

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.

OCR processing*

OCR data

Text extraction

Original

Text compression

Image extraction

Image compression

Combined

Searchable PDF
Text data can be re-used

* OCR results may not be 100% accurate, and mis-readings may occur. Depending on type of original, documents may not be rotated correctly with the document rotation function during OCR processing.

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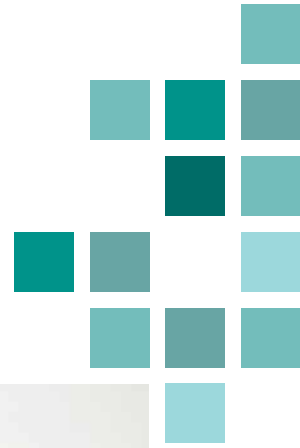
Box Function
Saves scan, copy, print or fax data to the Box, making information sharing easier than ever.

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

Shared

Scanned documents, digital documents etc.

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.

<15°

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.
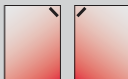
FS-529 Inner Finisher

This is situated inside the main body to save floor space, and offers stapling and separating functions. The JS-505 Job Separator can also be used.

Finishing Tasks and Necessary Options

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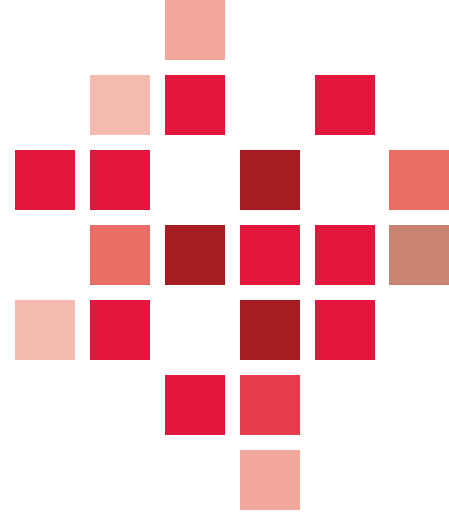
Quick Start

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.
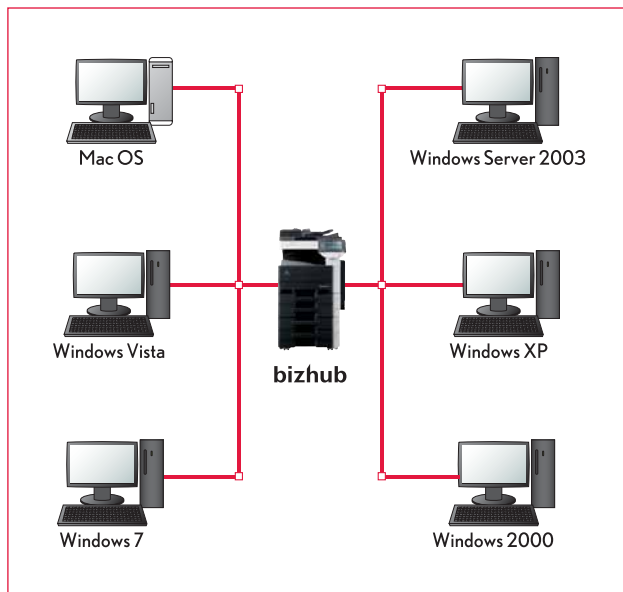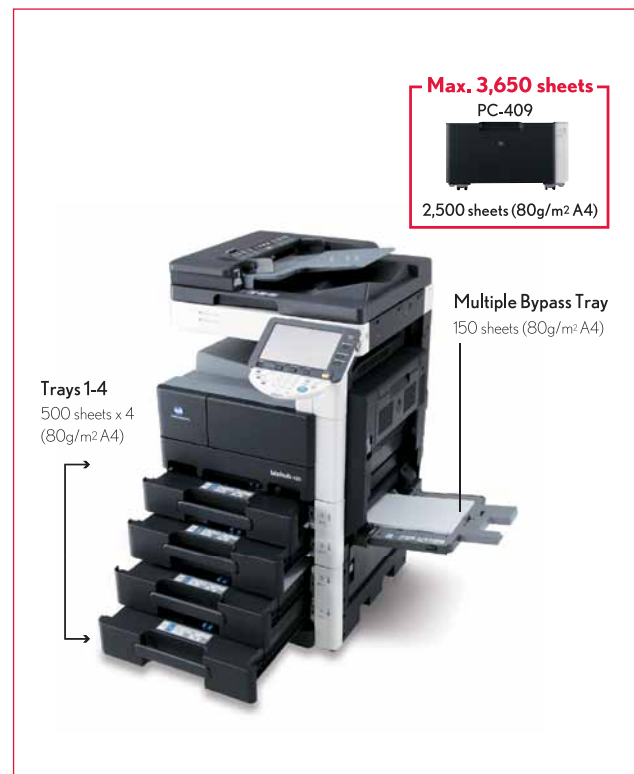
Paper Capacity

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 210gm/m, providing even greater choice in finished document options.

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

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

Mac OS

Windows Server 2003

Windows Vista

Windows XP

bizhub

Windows 7

Windows 2000

Max. 3,650 sheets
PC-409

2,500 sheets (80g/m² A4)

Multiple Bypass Tray
150 sheets (80g/m² A4)

Trays 1-4
500 sheets x 4
(80g/m² A4)

More Copy and Print Functions

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

- Card Copy

Front   Back
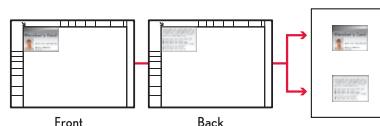
- IPv6 Compatible

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

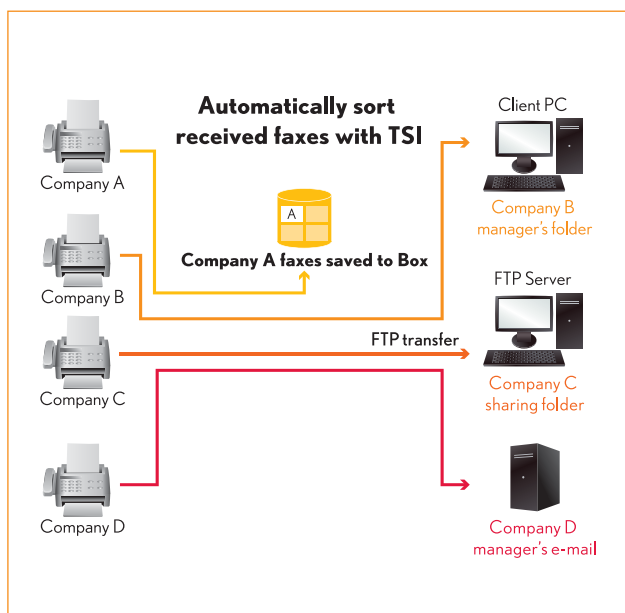Send a colour or monochrome fax to any SMTP-compatible device or bizhub on the network that supports IP Fax, by simply selecting an IP address. This feature uses existing network systems and does not incur additional costs.

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.

Automatically sort received faxes with TSI

Company A
Company B
Company C
Company D

Company A faxes saved to Box

FTP transfer

Client PC
Company B manager's folder

FTP Server
Company C sharing folder

Company D manager's e-mail

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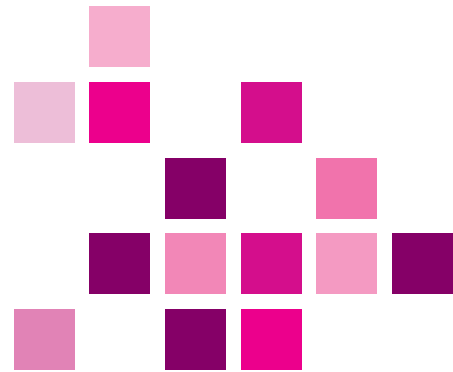
Memory Reception – Documents can be received, stored in memory and printed as required.

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.
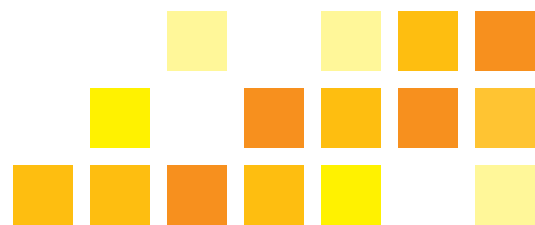
Total security

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

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

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.
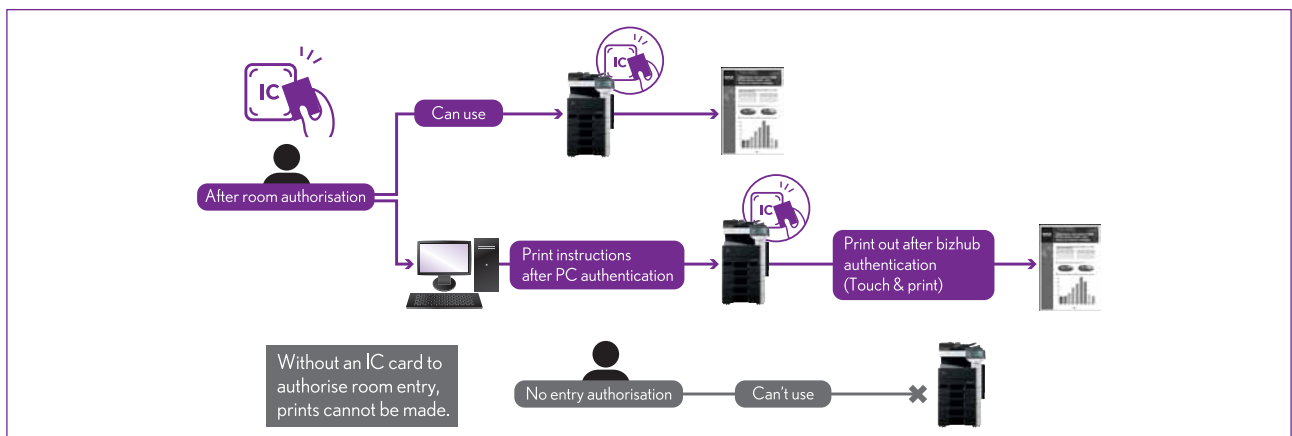
*Optional

Can use

After room authorisation

Print instructions after PC authentication

Print out after bizhub authentication (Touch & print)

Without an IC card to authorise room entry, prints cannot be made.

No entry authorisation

Can't use

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 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.
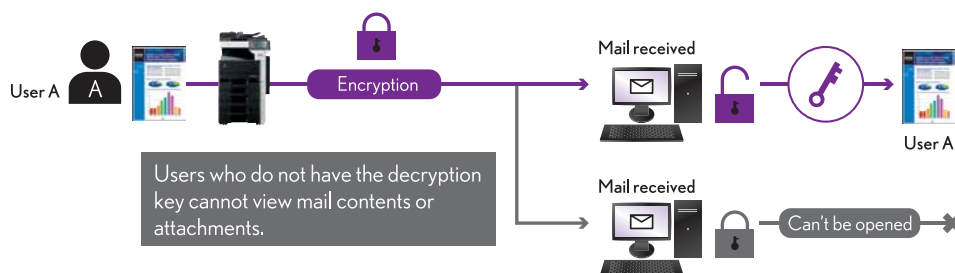
* When authenticating users.

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

User A

Encryption

Users who do not have the decryption key cannot view mail contents or attachments.

Mail received

User A

Mail received

Can't be opened

Technical
specifications

bizhub 423/363/283/223 General Specifications

Type		Desktop
Colour Support		Monochrome
Copy Resolution	Scan	Main: 600dpi x Sub: 600dpi
	Print	Main: 1,800dpi equiv. x Sub: 600dpi
Gradation		256
Memory Capacity (Std./Max.)		2048MB
HDD		250GB
Original Type		Sheets, Books, Objects
Max. Original Size		A3
Output Size		A3 to A5, B6S [1], A6S [1] Thick Paper
Image Loss		Max. 4.2mm or less for top edge, Max. 3.0mm or less for bottom edge, Max. 3.0mm 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 (80g/m² paper)		500 sheets x2 trays (main unit), 150 sheets (Multiple Bypass Tray)
Paper Weight	Tray 1 - 2	60 - 90g/m²
	Multiple Bypass Tray	60 - 210g/m²
Multiple Copy		1- 9,999 sheets
Auto Duplex		Type: Non-Stack Paper Size: Width/139.7-297mm (5.5"-11"), Length/158-431.8mm (6.25"-17") Paper Weight: 60-90g/m²
Power Requirements		AC220-240V 7A (50 to 60Hz)
Max. Power Consumption		1.5kW 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: 78kg, 283, 223: 66kg

[1] S :Short edge feed ⬛

Printer Specifications (Standard)

Type		Embedded
CPU		MPC8533E (667MHz)
Memory		Shared with the copier
Print Speed		Same as Copy Speed (when using the same original)
HDD		250GB (Shared with the copier)
Print Resolution		1,800dpi equiv. x 600dpi
PDL		PCL5e/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 64bit/Vista/Vista 64bit/Win7 Server2003/Server2003 64bit/Server2008/Server2008 64bit 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	70/70opm (300dpi), 42/24opm (600dpi)
Scanning Size		Max. A3
Output Format		TIFF, PDF, Compact PDF, JPEG
Scanning Resolution		Push: 200dpi / 300dpi / 400dpi / 600dpi Pull: 100dpi / 200dpi / 300dpi / 400dpi / 600dpi

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 100dpi, 200 x 200dpi, 400 x 400dpi, 600 x 600dpi Colour/Grey Scale : 200 x 200dpi, 400 x 400dpi, 600 x 600dpi
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 600dpi
Modem Speed	2.4kbps-33.6kbps
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

Konica Minolta
Business Solutions Australia Pty Ltd

Free Call 1800 789 389
konicaminolta.com.au

New South Wales
4 Drake Avenue
Macquarie Park NSW 2113
(02) 8026 2222

Victoria
21-29 Moray Street
Southbank VIC 3006
(03) 8699 0777

Queensland
64 Brookes Street
Bowen Hills QLD 4006
(07) 3872 9100

ACT
78 Barrier Street
Fyshwick ACT 2609
(02) 6206 6500

South Australia
255 Gilbert Street
Adelaide SA 5000
(08) 8231 2911

Western Australia
50 Belgravia Street
Belmont WA 6104
(08) 9479 6600

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ENERGY STAR

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
• WEEE Compliance   Factories

⚠ **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).