KONICA MINOLTA

bizhub 223/283/363/423

The workflow professionals

Office systems bizhub 223/283/363/423

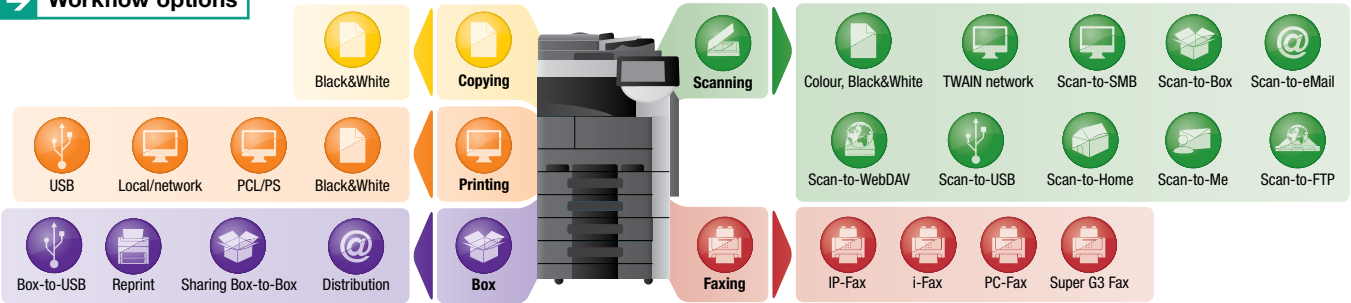# Power, innovation and efficiency
for scan workflows

Black and white professionals
for colour workflows

Today, almost every workflow involves colour in some form or other. Colour output is not always required, but colour input, via colour scanning, is essential in the modern office. Colour is indispensable for the electronic workflows of teams, workgroups and departments in more or less any business field, including banking, finance and insurance, accounting and personnel. Konica Minolta satisfies these demands with its range of innovative workflow professionals that combine comprehensive black & white output capabilities with flexible and creative colour input functionality.

■ With their fast and efficient colour scanning features, the bizhub 223, bizhub 283, bizhub 363 and bizhub 423 integrate seamlessly into any workflow in combination with black and white output speeds of 22/28/36/42 pages per minute respectively. As true A3 multifunctionals, they provide complete office communication functionality including print, copy, scan and fax.

■ In combination with Konica Minolta's efficient and versatile software applications, these bizhubs are ideal tools for efficient document capture and distribution workflows, helping to save time and reduce costs. They perfectly complement the Konica Minolta bizhub office portfolio that covers black and white speeds between 22 and 75 ppm and colour speeds from 22 to 50 ppm. All of these Konica Minolta multifunctionals adhere to the bizhub OP (open platform) concept, feature the same Universal Design, operation and feature set, and can be enhanced with extended applications and solutions.

➜ Fast scanning in colour and black and white

The bizhub 423 series (which includes the 223, 283, 363 and 423) are perfect input and output tools for any situation that requires productive colour scanning with black and white printing or copying. As highly efficient and versatile scanners for up to A3 format, it means you can do away with the need for separate scan stations.

All four bizhubs scan up to 70 originals per minute in both colour and black and white. The complete scanning functionality includes scan to email (Home), FTP, SMB, Box (HDD required), USB, and TWAIN. With JPEG, TIFF, PDF, encrypted PDF, compact PDF, XPS and compact XPS, the bizhub 423 series processes all key formats.

Same as the other innovative products in the bizhub portfolio, the bizhub 423 series features bEST, Konica Minolta's bizhub Extended Solution Technology. bEST offers a gateway to extended document capturing and distribution applications that make the workflow professionals ideal input tools for teams, workgroups and small departments.

➜ Document capture and distribution

Among the features indispensable to modern office communication are the digitisation and indexing of documents; OCR implementation, conversion to specific file formats like PDF/A, and direct document distribution to existing business applications. The bizhub 423 series can be optionally upgraded with these comprehensive document capturing and distribution capabilities.

With full panel integration of the software, no separate hardware is required. Document archiving workflows can, for example, be started directly at the bizhub panel, inputting all required information like document type and additional index fields during the scan process so that no further processing of the documents are necessary before filing.

In this way, bEST enables easy integration of the bizhub 423 series to any existing customer workflows.

Key features	Key benefits
Fast scanning in colour and black and white	Flexibility and versatility from seamless integration into any workflow, colour or black and white
bEST – bizhub Extended Solution Technology	Easy customisation to integrate to any user environment
Document capturing & distribution	Efficient integration of paper-based and electronic information for further processing, sharing, etc.
Embedded applications	Convenient operation via the bizhub display; no separate hardware (such as scan station, PC) required

➜ Workflow options

Black&White · Copying · Scanning · Colour, Black&White · TWAIN network · Scan-to-SMB · Scan-to-Box · Scan-to-eMail

USB · Local/network · PCL/PS · Black&White · Printing · Scan-to-WebDAV · Scan-to-USB · Scan-to-Home · Scan-to-Me · Scan-to-FTP

Box-to-USB · Reprint · Sharing Box-to-Box · Distribution · Box · Faxing · IP-Fax · i-Fax · PC-Fax · Super G3 Fax

➜ Configurations

bizhub 223   **bizhub** 363
bizhub 283   **bizhub** 423

Complete control
for device management

→ Accounting workflows

The PageScope Account Manager (option) enables the central collection of detailed counter readings of all registered devices plus the resulting cost calculation – and all this via a single interface. Counters no longer need to be triggered individually, saving considerable administrator time and effort. Individual output limitations set by the administrator for each user helps to reduce print volumes and output costs. Users' volume limitations are reliably tracked across all networked output devices, making cost control even more effective. Offering fast access to detailed cost information of departments and projects, the Account Manager is also a perfect tool to increase cost consciousness among users and optimise output volumes at the same time. In turn, the detailed usage reports facilitate the optimisation of the output infrastructure on the basis of actual usage patterns. All this considerably enhances the overall efficiency and productivity.

→ Authentication workflows

The central management of the user database and user rights is simple and straightforward via the PageScope Authentication Manager (option). Saving time and enjoying enhanced efficiency, administrators can quickly and easily program authentication details. Users benefit from enhanced flexibility and convenience with the immediate yet secure login via finger vein scanner or non-contact IC card.

Authentication is also the precondition for follow-me (option) printing, which takes both user convenience as well as security aspects to new dimensions. Not only are follow-me printing workflows ideal for confidential printing anywhere; they also facilitate print fleet optimisation. Both pull printing and secure printing are available on every bEST OpenAPI-capable system in the network. Printed information is reliably safe as only the document owner can release prints directly at the device. This simple but effective method avoids wasting paper and helps reduce print volumes – output trays are no longer cluttered with redundant prints that might fall into the wrong hands.

This is also the ideal tool to implement efficient cost reductions, through the optimisation of the print fleet with devices that can double as personal printers.

→ Administrative workflows

The PageScope Net Care Device Manager facilitates the central implementation of system network configurations and central status monitoring. Considerably reducing administrative efforts, this application provides fast access to and simple monitoring of individual or all devices on the network, helping to maximise the uptime of all monitored equipment. Streamlined status recalls and automatic email notifications ensure instant attention to problems and help avoid any bottlenecks in printing. This maximises uptime, which in turn improves the productivity of all integrated systems and has a welcome positive impact on the overall office productivity.

→ Automated service workflows

CS Remote Care is Konica Minolta's proven remote monitoring system that ensures pro-active and highly flexible service support. All relevant system data is transmitted directly to the Konica Minolta service provider in an automated process that never needs user intervention. The direct transmission of any technical problem from the output device to the service provider minimises downtime and avoids time-consuming service calls.

Taking counter readings and relaying them to the Konica Minolta service provider is also a thing of the past. At the same time, CS Remote Care provides automated logistics, regularly checking the consumables status and ordered stock. Manual reordering is no longer necessary; instead companies benefit from optimised work efficiency from the intelligent on-time delivery of consumables.

Key features	Key benefits
Accounting workflows	Efficient and centralised cost control with minimised administrator effort
Follow-me printing	Supports print fleet optimisation and secure printing; reduces wasted paper
Administrative workflows	Time savings and enhanced productivity from central management of all networked devices
CS Remote Care	Smoothly running output devices; no sudden interruptions and maximised system availability

Important aspects for
corporate interests

➡ Complete compatibility

Like the other bizhub multifunctionals in the Konica Minolta portfolio, the bizhub 423 series feature proprietary Emperon™ controller technology that ensures their seamless integration into any standard network setup, which makes them compatible with virtually any customer environment. With standard PCL, PostScript 3, PDF and XPS support, the Emperon™ provides maximum compatibility and is CITRIX ready as well; Windows drivers are WHQL certified. At the same time, bizhub 423 series are SAP certified, with "Konica Minolta a Gold Partner" in the SAP Printer Vendor Programme. Users benefit from simple and straightforward installation and assured reliability as well as SAP customer support.

➡ Comprehensive security

Featuring Konica Minolta's generous security standards, the bizhub 423 series are certified to ISO 15408 EAL3. This official security certification represents international standards and underlines the superiority of the Konica Minolta security technologies. All four systems can be connected

to secure networks with client authentication via IEEE 802.1x; offer safe network communication by encryption with the IPsec protocol; and feature standard HDD encryption to protect all data on the hard disc against unauthorised use. Authentication via optional finger vein scanner or non-contact ID card reliably limits system access to authorised users and is more convenient than typing in user names and passwords.

➡ User-friendly operation

Thanks to their extremely low noise level and very quiet operation, the bizhub 423 series are very comfortable to work side by side with and is perfectly suited for installation in any location, including open-plan offices. User convenience is enhanced with a number of special system features, such as the animated help and user guidance. An optional keyboard further supports the simple and straightforward operation. Also, the MyTab Printer driver adds extra ease of operation, letting users individually combine their frequently needed features in a single setting screen.

➡ Impressive eco-performance

The bizhub 423 series offers numerous energy conserving features and are Energy Star and German Blue Angel certified. They impress with very low TEC values that remain well below the latest Energy Star regulations and underline their eco-friendly operation. The TEC value represents a product's typical electricity consumption (TEC) within one week, based on average office use. Even with options such as a finisher installed, these products have extremely low energy consumption. This makes the bizhub 423 series not only environmentally sound but can also help to considerably reduce energy costs.

One key factor for the eco-friendly operation is Konica Minolta's unique Simitri® HD polymerised toner: With its lower fusing point it requires a shorter warm-up time and helps to reduce energy consumption and CO_2 emissions. At the same time, Simitri® HD polymerised toner is partially plant-based, its use of biomass as well as its production process answering the demands of the modern, CO_2-conscious society.

With low power and sleep mode, the bizhub 423 series offers two power saving modes to reduce energy consumption during idle phases. From both modes, the system restarts automatically as soon as a user operates a panel key or a print job comes in. Incoming faxes do not restart the machine but are stored in a secure memory until the device is reactivated by another process.

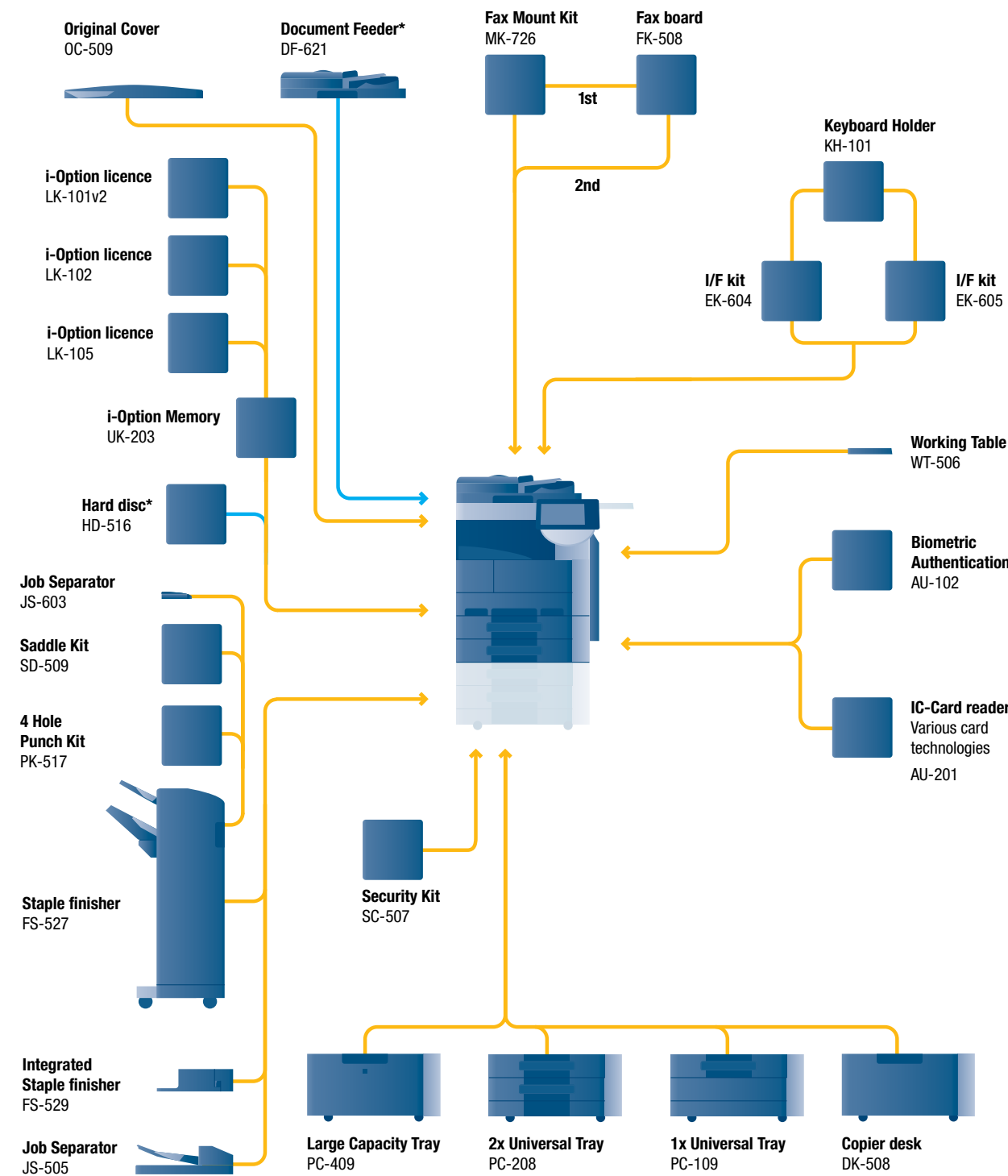### ➡ Minimised ecological impact

In compliance with its ISO 14001-based environmental management system, Konica Minolta promotes resource-friendly product development, including the use of recycled materials wherever possible, and a consumables design that enables the fast and simple separation into their component materials for easy recycling.

This is part of the zero-waste manufacturing concept, with which Konica Minolta strives to minimise the ecological impact of its products with efficient environmental activities throughout all stages of the product lifecycle.

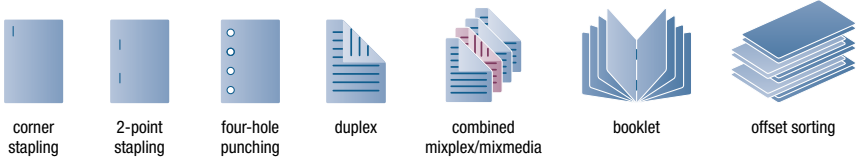| Key features	Key benefits
Emperon™ Controller Technology	Easy client and server installation and highest reliability thanks to seamless system integration and WHQL-certified drivers
ISO 15408EAL3 certification	Certified security features protect company data
User-friendly design and operation	Time savings from intuitive user operation; comfortable to work close to, due to low running noise
Ecologically sound build and performance	Facilitates eco-conscious purchasing and helps reduce running costs

→ Option diagram bizhub 223/283/363/423

Original Cover
OC-509

Document Feeder*
DF-621

Fax Mount Kit
MK-726

Fax board
FK-508

1st

2nd

Keyboard Holder
KH-101

i-Option licence
LK-101v2

i-Option licence
LK-102

i-Option licence
LK-105

i-Option Memory
UK-203

I/F kit
EK-604

I/F kit
EK-605

Working Table
WT-506

Hard disc*
HD-516

Job Separator
JS-603

**Biometric
Authentication**
AU-102

Saddle Kit
SD-509

**4 Hole
Punch Kit**
PK-517

IC-Card reader
Various card
technologies

AU-201

Staple finisher
FS-527

Security Kit
SC-507

**Integrated
Staple finisher**
FS-529

Job Separator
JS-505

Large Capacity Tray
PC-409

2x Universal Tray
PC-208

1x Universal Tray
PC-109

Copier desk
DK-508

*Options on blue line are standard for bizhub 363/423

→ Option descriptions bizhub 223/283/363/423

bizhub 223/283/363/423	Communication centers with 22/28/36/42 ppm in black and white. Standard Emperon™ print controller with PCL 6, PostScript 3, PDF 1.7 and XPS support. Paper capacity of 500 + 500 sheets and 150 sheets manual bypass. Media from A6 to A3 and 60−210 gsm via the bypass. 2 GB memory, and Gigabit Ethernet standard. bizhub 363/423 come supplied with ADF and 250 GB hard disc as standard.
DF-621 Document feeder*	Automatic document feeding of up to 100 originals
OC-509 Original cover	Required if no ADF attached
FS-527 Staple finisher	50 sheet stapling, output capacity 3,200 sheets
PK-517 Punch kit	4 hole punching
JS-603 Job separator	Separation of e.g. fax and copy/print output for FS-527
SD-509 Saddle kit	Booklet finishing
FS-529 Integrated Staple finisher	50 sheet stapling, output capacity 300 sheets
JS-505 Job separator	Separation of e.g. fax and copy/print output
PC-109 1x Paper cassette	A5−A3; 1 x 500 sheets; 60−90 gsm
PC-208 2x Paper cassette	A5−A3; 2 x 500 sheets; 60−90 gsm
PC-409 Large paper cassette	A4; 2,500 sheets; 60−90 gsm

*Options standard for bizhub 363/423

DK-508 Copier desk	Storage of paper; etc.
AU-102 Biometric authentication	Finger vein scanner
AU-201 IC-Card reader	IC-Card reader for various card technologies
KH-101 Keyboard holder	To place the USB keyboard
EK-604 I/F kit	USB keyboard connection
EK-605 I/F kit	USB keyboard connection and Bluetooth
MK-726 Fax mount kit	I/F board for fax FK-508
FK-508 Fax board	Super G3 fax
WT-506 Working table	To place authentication unit
LK-101v2 i-Option licence	Web-browser, Image panel
LK-102 i-Option licence	PDF enhancement encrytption
LK-105 i-Option licence	Searchable PDF
UK-203 i-Option memory	Memory extension for i-Option 1GB
HD-516 Hard disc*	i-Option, box, authentication, animation guidance, mobile printing, etc. Standard for bizhub 363/423
250 GB	
SC-507 Security Kit	Copy Guard function

→ Finishing options bizhub 223/283/363/423

corner stapling	2-point stapling	four-hole punching	duplex	combined mixplex/mixmedia	booklet	offset sorting

→ **Technical specifications bizhub 223/283/363/423**

■ **Copier specifications**

Copying process	Electrostatic laser copy; Tandem; indirect
Toner system	Simitri® HD - polymerised toner
Copy/print speed A4 (mono)	Up to 22 cpm (bizhub 223)
	Up to 28 cpm (bizhub 283)
	Up to 36 cpm (bizhub 363)
	Up to 42 cpm (bizhub 423)
Copy/print speed A3 (mono)	Up to 14 cpm (bizhub 223)
	Up to 16 cpm (bizhub 283)
	Up to 20 cpm (bizhub 363)
	Up to 21 cpm (bizhub 423)
Auto duplex speed A4 (mono)	Up to 22 cpm (bizhub 223)
	Up to 28 cpm (bizhub 283)
	Up to 36 cpm (bizhub 363)
	Up to 42 cpm (bizhub 423)
1st Copy/print time	4.2 sec. (bizhub 223/283)
	3.6 sec. (bizhub 363/423)
Warm-up time	Approx. 25 sec.* (bizhub 223/283 without HDD)
	Approx. 30 sec.* (bizhub 363/423)
Copy resolution	600 x 600 dpi
Gradation	256 gradations
Multi-copy	1–9,999
Original format	A5–A3
Magnification	25–400% in 0.1% steps; Autozooming
Copy functions	Chapter, cover and page insertion
	Proof copy (print, screen with HDD)
	Adjustment test print
	Digital art functions
	Job setting memory
	Poster Mode, Image repeat
	Overlay; Watermark; Stamping; Copy Protection
	Card Shot

■ **Printer specifications**

Print resolution	Equivalent to 1,800 x 600 dpi
Controller CPU	MPC8533E @ 667 MHz
Page description language	PCL 6
	PCL 5e/c (XL3.0)
	PostScript 3 (CPSI 3016)
	XPS
Operating systems	Windows 2000/XPx32/XPx64
	Windows VISTA x32/x64
	Windows 7 x32/x64
	Windows Server 2000/2003/2003x64/2008/2008x64
	Windows DPWS support
	Macintosh 9.2/10.2/10.4
	Unix/Linux/Citrix
Printer fonts	80x PCL Latin
	137x PostScript 3 Emulation Latin
Print functions	Direct print of PCL, PS, TIFF, JPEG, XPS,
	PDF and Encrypted PDF files
	Mixmedia and Mixplex
	Job programming "Easy Set"
	Overlay, Watermark, Copy Protection

■ **Scanner specifications**

Scan speed	Colour/Mono up to 70 opm (300 dpi via DF)
	Colour/Mono up to 42 opm (600 dpi via DF)
Scan resolution	Max.: 600 x 600 dpi
Scan modes	Network TWAIN scan
	Scan-to-eMail (Scan-to-Me)
	Scan-to-FTP
	Scan-to-SMB (Scan-to-Home)
	Scan-to-Box (HDD required)
	Scan-to-WebDAV
	Scan-to-DPWS
	Scan-to-USB

File formats	JPEG; TIFF; PDF; Compact PDF; Encrypted PDF; Outline PDF;
	Searchable PDF (optional); XPS; Compact XPS
Scan destinations	2,100 (single + group); LDAP support
Scan functions	Annotation (text/time/date) for PDF (HDD required)
	Up to 400 job programs

■ **Fax**   Super G3 (optional)

Fax transmission	Analogue; i-Fax (with HDD); IP-Fax (with HDD)
Fax resolution	Max.: 600 x 600 dpi (ultra-fine)
Fax compression	MH, MR, MMR, JBIG
Fax modem	Up to 33.6 Kbps
Fax destinations	2,100 (single + group)
Fax functions	Polling; Time shift; PC-Fax
	Receipt to confidential box (HDD required)
	Receipt to email; FTP; SMB
	Up to 400 job programs

■ **User box specifications (HDD required)**

Max. user boxes	1,000
Max. storable documents	Up to 3,000 documents or 10,000 pages
Type of user boxes	Public, Personal (with password or authentication)
	Group (with authentication)
Type of system boxes	Secure print, Encrypted PDF print, Fax receiving, Fax polling
User box functionality	Reprint; combination; download;
	sending (email, ftp, smb and fax); copy box to box

■ **System specifications**

System memory	2,048 MB
System hard disc	250 GB
	(optional for bizhub 223/283, standard for bizhub 363/423)
HDD required for (Highly recommended)	Complete functionality of: Box (incl. Secure Print),
	Animated Guidance, i-Option, PSES, Mobile Printing, OpenAPI
	Copy functions: Program Job, Overlay
	Print functions: Secure print
	Scan functions: Scan Annotation
	FAX functions: I-FAX, IP Address Fax
	Authentication functions: PageScope Authentication Manager
	USB direct print: Encrypted PDF
Interface	10/100/1,000 Base-T Ethernet
	USB 2.0
Network protocols	TCP/IP (IPv4/IPv6)
	IPX/SPX
	NetBEUI
	AppleTalk (EtherTalk)
	SMB; LPD; IPP; SNMP; HTTP
Frame types	Ethernet 802.2
	Ethernet 802.3
	Ethernet II
	Ethernet SNAP
Automatic document feeder (optional for bizhub 223/283, standard for bizhub 363/423)	Up to 100 originals
	A6–A3
	35–128 gsm simplex
	50–128 gsm duplex
Printable paper size	A6–A3
	Customised paper sizes (90–297 x 139.7–431.8 mm)
Printable paper weight	60–210 gsm (bypass)
Paper input capacity	Standard: 1,150 sheets
	Max.: 3,650 sheets
Tray 1	500 sheets
	A5–A3
	60–90 gsm
Tray 2	500 sheets
	A5–A3
	60–90 gsm

Tray 3 (optional)	500 sheets
	A5–A3
	60–90 gsm
Tray 3 + 4 (optional)	2x 500 sheets
	A5–A3
	60–90 gsm
Large capacity cassette (optional)	2,500 sheets
	A4
	60–90 gsm
Manual bypass	150 sheets
	A6–A3
	60–210 gsm
Automatic duplexing	A5–A3
	60–90 gsm
Finishing modes (optional)	Offset; Group; Sort; Staple; Punch; Centre-fold; Booklet
Output capacity (w. finisher)	Max.: 3,200 sheets
Output capacity (w/o finisher)	Max.: 250 sheets
Stapling (opt)	50 sheets
Booklet (opt)	15 sheets or 14 sheets + 1 cover sheet (up to 209 gsm)
Booklet output capacity	75 sheets (tray)
Power consumption	220-240 V / 50/60Hz
	Less than 1.5 KW
System dimensions (W x D x H, mm)	623 x 794 x 700 (bizhub 223/283)
	623 x 799 x 826 (bizhub 363/423)
System weight	Approx. 66 kg (bizhub 223/283)
	Approx. 78 kg (bizhub 363/423)

■ **System features**

Security	ISO15408 EAL3 (in evaluation)
	IP filtering and port blocking
	SSL2, SSL3 and TSL1.0 network communication
	IPsec support
	IEEE 802.1x support
	User authentication, authentication log
	Secure Print (HDD required)
	Hard disc overwrite (8 standard types)
	Hard disc data encryption (AES 256)
	Memory data auto deletion
	Confidential fax receiving
	Print user data encryption
	Copy Guard and Password Copy (optional)
Accounting	Up to 1,000 user accounts (100 accounts without HDD)
	Active Directory support
	(user name + password + email + smb folder)
	User function access definition
	Biometric Authentication (finger vein) optional
	IC-Card authentication (IC-Card reader) optional
Software	PageScope Net Care Device Manager
	PageScope Data Administrator
	PageScope Box Operator
	PageScope Direct Print
	Print Status Notifier
	Driver Packaging Utility
	Log Management Utility

* Warm up time may vary depending on the operating environment and usage

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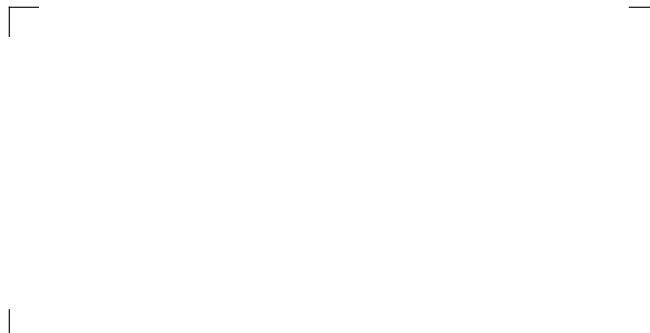## Simitri HD
High Definition Polymerised Toner

Emperon Driven!

Compatible with
Windows® 7

Works with
Windows® Vista™

Designed for
Microsoft®
Windows® XP
Windows® 2000

Mac

CITRIX®

SAP® Printer Vendor Solution

ENERGY STAR

TOMORROW IN MIND

DER BLAUE ENGEL

Kind to the **planet**
KONICA MINOLTA

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WB 100108 bizhub 222/283/363/423 01/12 2K