bizhub 223/283/363/423
The workflow professionals

Office systems bizhub 223/283/363/423
Black & 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 b/w output speeds of 22/28/36/42 pages per minute, the workflow professionals enhance existing output fleets with exactly the appropriate capabilities. As true A3 multifunctionals, they provide complete office communication functionality and print, copy, scan and fax.

In combination with Konica Minolta’s efficient and versatile software applications, the bizhub 223, 283, 363 and 423 are ideal tools for efficient document capture and distribution workflows, helping to save time and reduce costs. They perfectly complement the Konica Minolta bizhub portfolio that covers b/w 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 concept, feature the same Universal Design, operation and feature set, and can be enhanced with extended applications and solutions.
Fast scanning in colour and b/w

bizhub 223, 283, 363 and 423 are perfect in- and output tools for any situation that requires productive colour scanning with b/w printing or copying. As highly efficient and versatile scanners for up to A3 format they make the little desktop A4 scanners obsolete and also do away with the need for separate scan stations.

All four bizhubs scan up to 70 hard originals per minute in both colour and black & white. The complete scanning functionality of scan to email (Home), FTP, SMB, Box (HDD required), USB, and TWAIN is standard; and with JPEG, TIFF, PDF, compact PDF, XPS and compact XPS, the bizhub 423 series processes all relevant 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 such comprehensive document capturing and distribution capabilities.

And 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 treatment of the scans in the PC is needed.

Additionally, an extensive range of optional connectors provides access to almost any imaginable back-end application, including Document Management Systems, Enterprise Content Management Systems, Microsoft® SharePoint, and more.

In this way, bEST enables easy adaptation of the bizhub 423 series to close the gap to customer environments.

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

bizhub 223  bizhub 363
bizhub 283  bizhub 423
Complete compatibility
for unified workflows

**Accounting workflows**

The PageScope Account Manager 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 help 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. 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 fingerprint scanner or non-contact IC card.

Authentication is also the precondition for follow-me printing, which takes 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 are transmitted directly to the Konica Minolta service in an automated process that never needs user intervention. The direct transmission of any technical problem from the output device to the service organisation minimises downtime and avoids time-consuming service calls.

Taking counter readings and relaying them to the Konica Minolta service 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.

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

Like the other bizhub multifunctionals in the Konica Minolta portfolio, the bizhub 223/283/363/423 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 223/283/363/423 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, bizhub 223, 283, 363 and 423 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, bizhub 223/283/363/423 are very comfortable to work side by side with and 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. And the MyTab Printer driver adds extra operation ease, letting users individually combine their frequently needed features in a single setting screen. Corporate environments benefit from the minimised learning curve: To operate the bizhub 423 series, virtually no training is necessary.
Impressive eco-performance

bizhub 223/283/363/423 offer numerous energy-conserving features and are Energy Star and German Blue Angel certified. They impress with very low TEC values that remain well below latest Energy Star regulations and underline the 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 considerably to reduce operation 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 CO₂ 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, CO₂-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 systems restart 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.

<table>
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<tr>
<td>Emperon™ Controller Technology</td>
<td>Easy client and server installation and highest reliability thanks to seamless system integration and WHQL-certified drivers</td>
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<tr>
<td>ISO 15408EAL3 certification</td>
<td>Certified security features protect company data</td>
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<tr>
<td>User-friendly design and operation</td>
<td>Time savings from intuitive user operation; comfortable to work close to, due to low running noise</td>
</tr>
<tr>
<td>Ecologically sound build and performance</td>
<td>Facilitates eco-conscious purchasing and helps reduce running costs</td>
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Option diagram bizhub 223/283/363/423

*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 b/w.
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. 2 GB memory,
and GigabitEthernet standard. bizhub 363/423 come
equipped with ADF and 250 GB hard disc.

**Options standard for bizhub 363/423**

DF-621 Document feeder
Automatic document feeding of up to 100 originals

OC-500 Original cover
Cover instead of ADF

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 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-206 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-162 Biometric authentication
Finger vein scanner

IC-Card reader
IC Card reader for various card technologies

KH-101 Keyboard holder
To place the USB keyboard

EK-604 VF kit
USB keyboard connection

EK-605 VF kit
USB keyboard connection and Bluetooth

MK-726 Fax mount kit
VF board for fax FK-508

FK-508 Fax board
Super G3 fax

WT-508 Working table
Authentication device placement

LK-101v2 i-Option licence
Webbrowser, Image panel

LK-102 i-Option licence
PDF enhancement

LK-105 i-Option licence
Searchable PDF

UK-203 i-Option memory
Memory extension for i-Option

HD-516 Hard disc
i-Option, box, authentication, animation guidance,
mobile printing, etc. Standard for bizhub 363/423

SC-507 Security Kit
Copy Guard function

Finishing options bizhub 223/283/363/423

- corner stapling
- 2-point stapling
- four-hole punching
- combined mifold/mimedia
- booklet
- offset sorting
Technical specifications bizhub 223/283/363/423

Copier specifications

- **Copy/printf speed A4 (mono)**
  - bizhub 223: up to 22 cpm (bizhub 223)
  - bizhub 283: up to 28 cpm (bizhub 283)
  - bizhub 363: up to 36 cpm (bizhub 363)
  - bizhub 423: up to 42 cpm (bizhub 423)

- **Copy/printf 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)

- **Autoduplex 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/printf 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

- **Multip copies**
  - 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

- **Controller CPU**
  - MPC8633E @ 667 MHz

- **Page description language**
  - PCL 5e/c
  - PostScript 3
  - PCL 6

- **Operating systems**
  - Windows 2000/XP/2003/XPx64
  - Windows Vista/XPx64
  - Windows 7 x32/64
  - Windows Server 2000/2003/2003x64/2008/2008x64
  - Unix/Linux/Citrix

- **Printer fonts**
  - 80x PCL Latin
  - 137x PostScript 3 Emulation Latin

- **Print functions**
  - Print job programming "Easy Set"
  - Overlay, Watermark, Copy Protection

- **Scanner specifications**
  - **Scan speed**
    - Colour/Mono up to 70 cpm (500 dpi via DF)
    - Colour/Mono up to 42 cpm (800 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-EPWS
  - 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 specifications

- **Fax standard**
  - Group 3 (optional)

- **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 (with or without 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**
  - 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
    - 10/100Base-T Ethernet
    - USB 2.0
  - Network protocols
    - TCP/IP (IPv4/IPv6)
    - IPX/SPX
    - NetBEUI
    - AppleTalk (EtherTalk)
    - SMB, LPR, IPP; SNMP; HTTP

- **Frame types**
  - Ethernet 802.2
  - Ethernet 802.3
  - Ethernet II
  - Ethernet SNAP

- **Automatic document feeder**
  - Up to 100 originals
  - (optional for bizhub 223/283, standard for bizhub 363/423)

- **Printable paper size**
  - A6 – A3

- **Printable paper weight**
  - 60–210 gsm

- **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

*Warm up time may vary depending on the operating environment and usage.*
### Tray 3 (optional)
- 500 sheets
- A5–A3
- 60–90 gsm

### Tray 3 + 4 (optional)
- 2,500 sheets
- A5–A3
- 60–90 gsm

### Large capacity cassette
- 2,500 sheets
- A4
- 60–90 gsm

### Manual bypass
- 150 sheets
- A6–A3
- 60–210 gsm

### Automatic duplexing
- A5–A3
- 60–90 gsm

### Output capacity
- **Tray 3 (optional)**: 3,000 sheets
- **Tray 3 + 4 (optional)**: 7,000 sheets
- **Large capacity cassette**: 2,500 sheets
- **Manual bypass**: 150 sheets

### Manual bypass output capacity
- 150 sheets

### Automatic duplexing output capacity
- 75 sheets

### Copy/print volume
- **Recommended/Max.**
  - bizhub 223: 2,900/19,000 sheets
  - bizhub 283: 4,800/28,000 sheets
  - bizhub 363: 7,900/48,000 sheets
  - bizhub 423: 10,700/60,000 sheets

### Toner lifetime
- bizhub 223/283: 17,500 sheets
- bizhub 363/423: 25,000 sheets

### Drum/Developer lifetime
- bizhub 223: 80,000 sheets
- bizhub 283: 100,000 sheets
- bizhub 363: 110,000 sheets
- bizhub 423: 120,000 sheets

### Power consumption
- 220-240 V / 50/60Hz
- Less than 1.5 KW

### System dimensions (W x D x H, mm)
- bizhub 223/283: 623 x 794 x 700
- bizhub 363/423: 623 x 799 x 816

### System weight
- bizhub 223/283: 66 kg
- bizhub 363/423: 78 kg

### 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

### Accounting
- Up to 1,000 user accounts (100 accounts without HDD)
- Active Directory support
- 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
All specifications relating to paper capacity refer to A4-size paper of 80 gsm quality.

All specifications relating to scanning, copying or printing speeds refer to A4-size paper that is scanned, copied or printed crosswise in multipage, simplex mode.

The support and availability of the listed specifications and functionalities varies depending on operating systems, applications, network protocols as well as network and system configurations.

The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4). The actual consumables life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.

Some of the product illustrations contain optional accessories.

Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.

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