



KONICA MINOLTA

# bizhub C454 DATASHEET

✦ Colour A3 multifunctionality

✦ Up to 45 colour pages per minute

## ✦ Functionality



- Colour
- Black & White
- PCL/PS
- Local/network

Printing



- Distribution
- Sharing
- Box-to-Box
- Reprint
- Box-to-USB

Box



- Colour
- Black & White

Copying



- Twain Network
- Scan-to-SMB
- Scan-to-Box
- Scan-to-email
- Scan-to-FTP
- Scan-to-WebDAV
- Scan-to-USB
- Scan-to-Home
- Scan-to-me

Scanning



- IP-Fax
- i-Fax
- PC-Fax
- Super G3 Fax

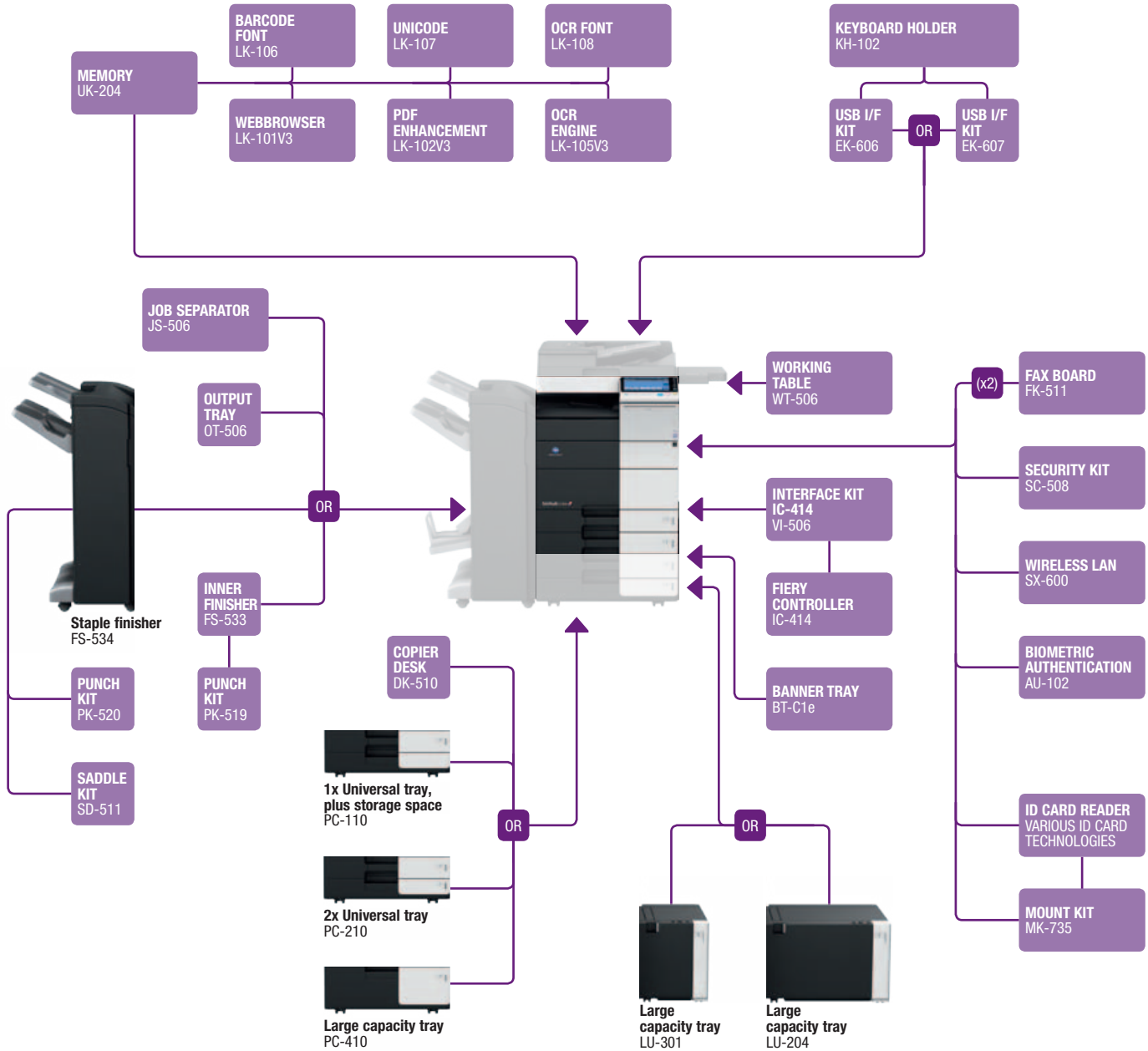
Faxing



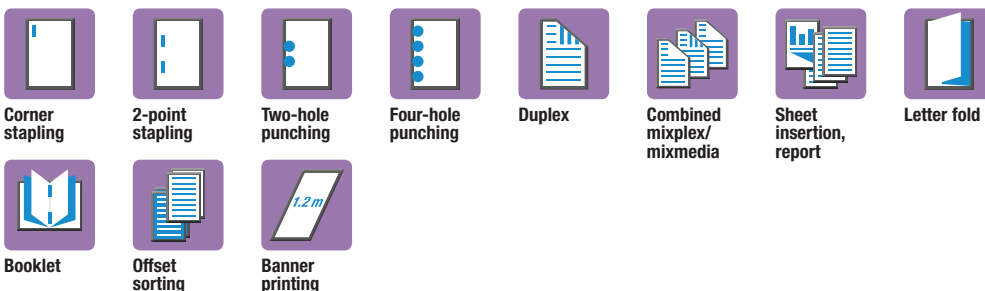
## Technology



## Option diagram



## Finishing options



## Descriptions

<b>bizhub C454</b>	Communication centres with 45 ppm b/w and 45 ppm colour. Standard Emperon™ print controller with PCL 6c, PostScript 3, PDF 1.7 and XPS support. Paper capacity of 500 + 500 sheets and 150 sheets manual bypass. Media from A6 to SRA3, 1.2 m banner and 52 – 300 gsm. 2 GB memory, 250 GB hard disc and Gigabit Ethernet standard
<b>KH-102 Keyboard holder</b>	To place USB keyboard
<b>EK-606 USB I/F kit</b>	USB keyboard connection
<b>EK-607 USB I/F kit</b>	USB keyboard connection, Bluetooth
<b>WT-506 Working table</b>	Authentication device placement
<b>BT-C1 Banner tray</b>	Multipage banner
<b>FK-511 Fax board</b>	Super G3 fax, digital fax functionality
<b>SC-508 Security kit</b>	Copy guard function
<b>SX-600 Wireless LAN</b>	Wireless LAN to network connector
<b>AU-102 Biometric authentication</b>	Finger vein scanner
<b>MK-735 Mount kit</b>	Installation kit for ID card reader
<b>ID Card reader</b>	Various ID card technologies
<b>VI-506 Interface kit IC-414</b>	Fiery controller interface card
<b>IC-414 Fiery controller</b>	Professional colour print controller
<b>JS-506 Job separator</b>	Separation for e.g. fax output
<b>PK-519 Punch kit</b>	2/4 hole punching, autoswitching
<b>FS-533 Inner finisher</b>	50 sheets stapling, 500 sheets max. output

<b>LU-204 Large capacity tray</b>	A4–SRA3, 2,500 sheets, 52–256 gsm
<b>LU-301 Large capacity tray</b>	A4, 3,000 sheets, 52–256 gsm
<b>PC-110 1x Universal tray</b>	A5–A3, 500 sheets, 52–256 gsm
<b>PC-210 2x Universal tray</b>	A5–A3, 2x500 sheets, 52–256 gsm
<b>PC-410 Large capacity tray</b>	A4, 2,500 sheets, 52–256 gsm
<b>DK-510 Copier desk</b>	Provides storage space for e.g. print media
<b>OT-506 Output tray</b>	Output tray used instead of finisher
<b>FS-534 Staple finisher</b>	50 sheet stapling, 3,200 sheets max. output
<b>SD-511 Saddle kit</b>	Booklet finishing, half-fold, letter-fold
<b>PK-520 Punch kit</b>	2/4 hole punching, autoswitching
<b>UK-204 Memory</b>	Memory extension for i-Options
<b>LK-101v3 Webbrowser</b>	Web browser and image panel
<b>LK-102v3 PDF enhancement</b>	PDF/A, PDF encryption, digital signature
<b>LK-105v3 OCR engine</b>	Searchable PDF and PPTx
<b>LK-106 Barcode font</b>	Supports native barcode printing
<b>LK-107 Unicode</b>	Supports native Unicode printing
<b>LK-108 OCR font</b>	Supports native OCR A and B font printing

## Technical specifications

### COPIER SPECIFICATIONS

<b>Copying process</b>	Electrostatic laser copy Tandem indirect
<b>Toner system</b>	Simitri HD®- polymerised toner
<b>Copy/print speed A4 (mono/colour)</b>	Up to 45 cpm
<b>Copy/print speed A3 (mono/colour)</b>	Up to 45 cpm
<b>Copy/print speed A3 (mono/colour)</b>	Up to 22 cpm
<b>Autoduplex speed A4 (mono/colour)</b>	Up to 22 cpm
<b>Autoduplex speed A4 (mono/colour)</b>	Up to 45 cpm
<b>1st copy/print time (mono/colour)</b>	Up to 45 cpm
<b>Warm-up time</b>	4.6/5.5
<b>Copy resolution</b>	Approx. 25 sec. <sup>1</sup>
<b>Gradation</b>	600 x 600 dpi
<b>Original format</b>	256 gradations
<b>Magnification</b>	A5–A3
<b>Copy functions</b>	25–400% in 0.1% steps; Autozooming
<b>Copy functions</b>	Chapter; cover and page insertion; proof copy (print and screen); adjustment test print; digital art functions; job setting memory; poster mode; image repeat; overlay; stamping; copy protection

### PRINTER SPECIFICATIONS

<b>Print resolution</b>	1,800 x 600 dpi 1,200 x 1,200 dpi
<b>Controller CPU</b>	PowerPC MPC8536 @ 1.2 GHz
<b>Page description language</b>	PCL 6c (PCL 5c + XL3.0) PostScript 3 (CPSI 3016) XPS
<b>Operating systems</b>	Windows 2000/XP/XP64 Windows VISTA 32/64 Windows 7 32/64 Server 2000/2003/2003x64/2008/2008x64/2008 (R2) Macintosh 9.x/10.x Unix/Linux/Citrix
<b>Printer fonts</b>	80x PCL Latin 137x PostScript 3 Emulation Latin
<b>Print functions</b>	Direct print of PCL, PS, TIFF, XPS, PDF, Encrypted PDF files and OOXML (docx, xlsx, pptx); Mixmedia and mixplex; Job programming “Easy Set”; Overlay; Watermark; Copy Protection, Carbon Copy Print

### PRINTER SPECIFICATIONS (OPTIONAL)

<b>Print controller</b>	Embedded Fiery IC-414
<b>Controller CPU</b>	Intel Pentium @ 2.6 GHz
<b>Memory / HDD</b>	2 GB / 160 GB
<b>Page description language</b>	Adobe PostScript 3 (CPSI 3019) PCL 6/5c
<b>Operating systems</b>	Windows 2000/XP/XP64 Windows VISTA 32/64 Windows 7 32/64 Server 2000/2003/2003x64/2008/2008x64/2008 (R2) Macintosh 9.x/10.x

### SCANNER SPECIFICATIONS

<b>Scan Speed mono/colour</b>	Up to 160/160 ipm
<b>Scan resolution</b>	Max.: 600 x 600 dpi
<b>Scan modes</b>	Network TWAIN scan Scan-to-email (scan-to-Me) Scan-to-FTP Scan-to-SMB (scan-to-Home) Scan-to-Box Scan-to-WebDAV Scan-to-DPWS Scan-to-USB
<b>File formats</b>	JPEG; TIFF; PDF; PDF/A 1a and 1b (optional); Compact PDF; Encrypted PDF; Searchable PDF (optional) XPS; Compact XPS; PPTX and searchable PPTX (optional)
<b>Scan destinations</b>	2,100 (single + group); LDAP support
<b>Scan functions</b>	Annotation (text/time/date) for PDF; up to 400 job programs; Realtime scan preview

## FAX SPECIFICATIONS

<b>Fax standard</b>	Super G3 (optional)
<b>Fax transmission</b>	Analogue i-Fax Colour i-Fax (RFC3949-C) IP-Fax
<b>Fax resolution</b>	Max.: 600 x 600 dpi (ultra-fine)
<b>Fax compression</b>	MH; MR; MMR; JBIG
<b>Fax modem</b>	Up to 33.6 Kbps
<b>Fax destinations</b>	2,100 (single + group)
<b>Fax functions</b>	Polling; Time shift; PC-Fax; Receipt to confidential box; Receipt to email/FTP/SMB; up to 400 job programs

## USER BOX SPECIFICATION

<b>Max. storable documents</b>	Up to 3,000 documents or 10,000 pages
<b>Type of user boxes</b>	Public Personal (with password or authentication) Group (with authentication)
<b>Type of system boxes</b>	Secure print Encrypted PDF print Fax receiving Fax polling
<b>User box functionality</b>	Reprint; combination Download Sending (email/FTP/SMB and Fax) Copy box to box

## SYSTEM SPECIFICATIONS

<b>System memory</b>	2,048 MB (standard)
<b>System hard disc</b>	250 GB (standard)
<b>Interface</b>	10-Base-T/100-Base-T/1,000-Base-T Ethernet; USB 2.0
<b>Network protocols</b>	TCP/IP (IPv4 / IPv6); IPX/SPX; NetBEUI; AppleTalk (EtherTalk); SMB; LPD; IPP; SNMP; HTTP
<b>Frame types</b>	Ethernet 802.2; Ethernet 802.3; Ethernet II; Ethernet SNAP
<b>Automatic document feeder</b>	Up to 100 originals; A6-A3; 35-163 gsm Dualscan ADF
<b>Printable paper size</b>	A6-SRA3, customised paper sizes; banner paper max. 1,200 x 297 mm
<b>Printable paper weight</b>	52-300 gsm
<b>Paper input capacity</b>	Standard: 1,150 sheets Max.: 6,650 sheets
<b>Paper trays standard</b>	Tray 1: 500 sheets, A5-A3, 52-256 gsm Tray 2: 500 sheets, A5-SRA3, 52-256 gsm Manual Bypass: 150 sheets, A6-SRA3, custom sizes, banner, 60-300 gsm
<b>Paper trays optional</b>	Universal tray (1): 1x 500 sheets, A5-A3, 52-256 gsm Universal tray (2): 2x 500 sheets, A5-A3, 52-256 gsm Large capacity tray (3): 2,500 sheets, A4, 52-256 gsm Large capacity cabinet (4): 3,000 sheets, A4, 52-256 gsm Large capacity cabinet 5): 2,500 sheets, A4-SRA3, 52-256 gsm
<b>Automatic duplexing</b>	A5-SRA3; 52-256 gsm
<b>Finishing modes (optional)</b>	Offset; group; sort; staple; punch; centre-fold; letter-fold; booklet
<b>Output capacity (w. finisher)</b>	Max.: 3,200 sheets

<b>Output capacity (w/o finisher)</b>	Max.: 250 sheets
<b>Stapling</b>	Max.: 50 sheets or 48 sheets + 2 cover sheets (up to 209 gsm)
<b>Stapling output capacity</b>	Max.: 1,000 sheets
<b>Letterfold</b>	Up to 3 sheets
<b>Letterfold capacity</b>	Max.: 30 sheets (tray); unlimited
<b>Booklet</b>	Max.: 20 sheets or 19 sheets + 1 cover sheet (up to 209 gsm)
<b>Booklet output capacity</b>	Max.: 100 sheets
<b>Toner lifetime</b>	Black 27,500; CMY 26,000
<b>Imaging unit lifetime</b>	Black 130,000/600,000 (Drum/Developer) CMY 95,000/600,000 (Drum/Developer)
<b>Power consumption</b>	Less than 2.0 KW (system) TEC* 3.17
<b>System dimensions (W x D x H, mm)</b>	615 x 685 x 921 (excl. lower paper tray unit)
<b>System weight</b>	Approx. 101 kg

## SYSTEM FEATURES

<b>Security</b>	ISO 15408 EAL3 (in evaluation); IP filtering and port blocking; SSL2; SSL3 and TLS1.0 network communication; IPsec support; IEEE 802.1x support; User authentication; Authentication log; Secure Print; Hard disc overwrite (8 standard types); Hard disc data encryption (AES 128); Memory data auto deletion; Confidential fax receiving; Print user data encryption; Copy Protection (copy guard, password)
<b>Accounting</b>	Up to 1,000 user accounts 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
<b>Software</b>	PageScope Net Care Device Manager PageScope Data Administrator PageScope Box Operator PageScope Direct Print Print Status Notifier Driver Packaging Utility Log Management Utility

<sup>1</sup> Warm up time may vary depending on the operating environment and usage  
\*Typical Electricity Consumption (weekly) by Energy Star regulations



**Simitri HD**  
High Definition Polymerised Toner



**SAP** Printer Vendor Solution

**Simitri**  
with Biomass

**CORTADO**  
Cloud Printing Ready

