



KONICA MINOLTA

# bizhub 454e

Black & white A3 multifunctional

Up to 45 pages per minute

## Functionality



Copying

- Black & white



Printing

- Black & white
- PCL/PS
- Local/Network
- USB



Scanning

- Colour
- Black & white
- Scan-to-eMail
- Scan-to-Me
- Scan-to-SMB
- Scan-to-Home
- Scan-to-FTP
- Scan-to-Box
- Scan-to-USB
- Scan-to-WebDAV
- Scan-to-DPWS
- TWAIN Network



Faxing

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



Box

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

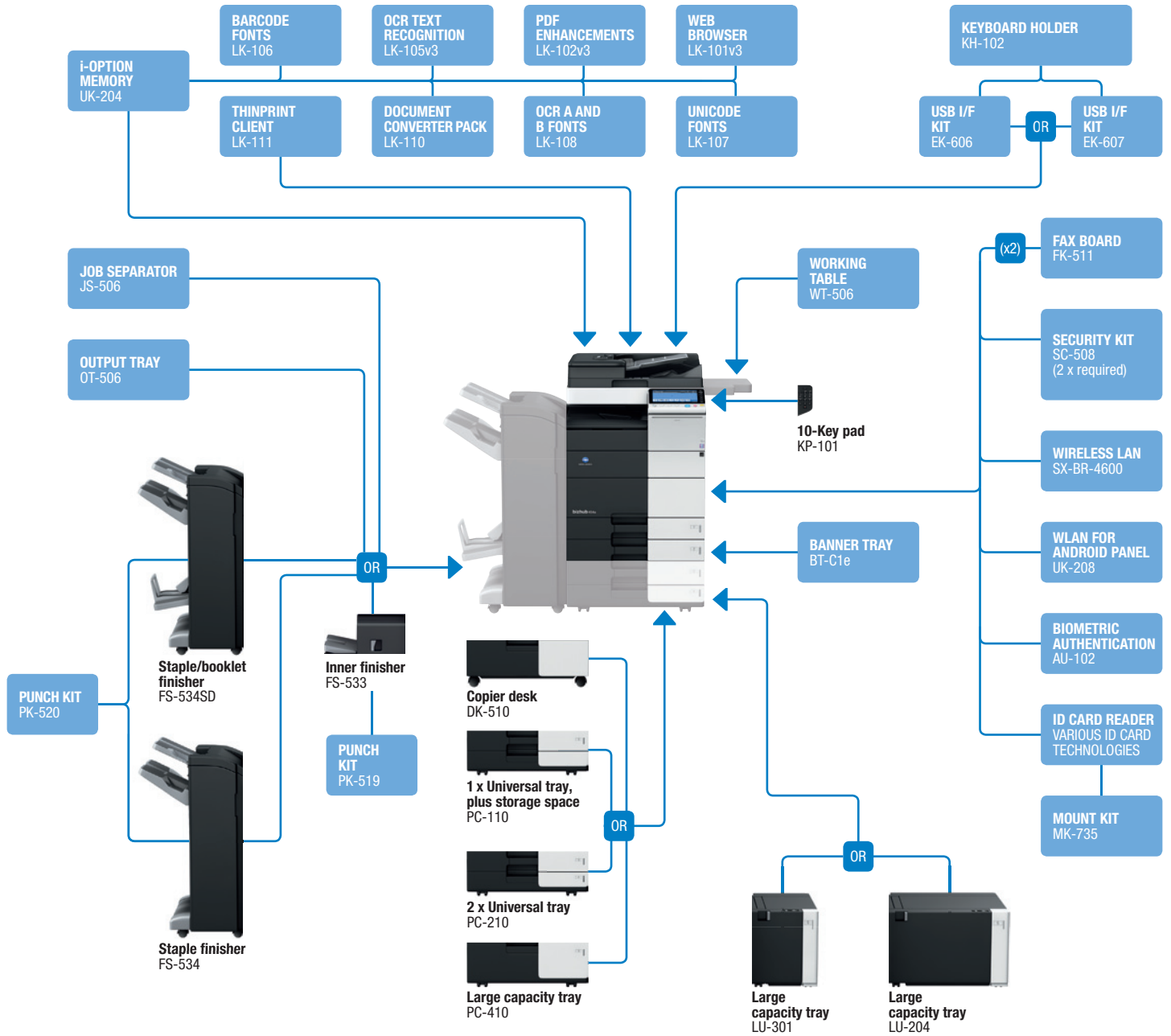


Giving Shape to Ideas

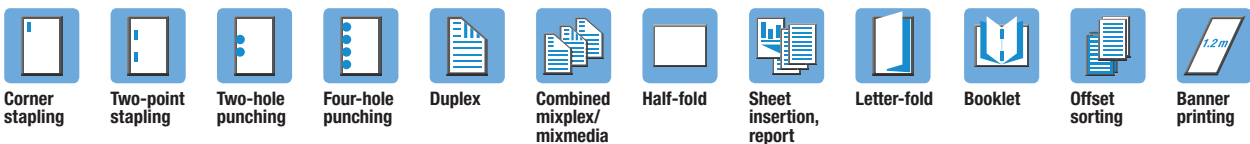
## Technology

Emperon™ – print controller	Simply compatible to users and IT environments thanks to Konica Minolta unified print technology	✓
Simitri® HD – polymerised toner	Pays off to budget and green footprint by high quality and low environmental impact	✓
OpenAPI – solution platform	Enable efficient workflows throughout your MFP fleet by server-based applications	✓
i-Option – special features	Increase the scope of MFP functionality from basic to advance depending on your needs	✓
CSRC – remote service	Keep productivity up by online device and consumable monitoring of the Konica Minolta service	✓
Panel customisation ready	Improved user-device interaction and productivity by full MFP panel customisation to your needs	✓
bizhub Marketplace ready	Small tools to enhance user experience and enable new workflows with MFP embedded applications	✓

## Option diagram



## Finishing options



## Descriptions

<b>bizhub 454e</b>	Communication centre with 45 ppm b/w. Standard Emperon™ print controller with PCL 6, PCL 5 PostScript 3, PDF 1.7, XPS and OOXML support. Paper capacity of 500 + 500 sheets and 150-sheet manual bypass. Media from A6 to SRA3, 1.2 m banner and 52 – 300 gsm. 2 GB memory, 250 GB hard disk and Gigabit Ethernet standard.
<b>PC-110 1 x Universal tray</b>	A5–A3, 500 sheets, 52–256 gsm
<b>PC-210 2 x Universal tray</b>	A5–A3, 2 x 500 sheets, 52–256 gsm
<b>PC-410 Large capacity tray</b>	A4, 2,500 sheets, 52–256 gsm
<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>DK-510 Copier desk</b>	Provides storage space for print media and other materials
<b>FS-533 Inner finisher</b>	50-sheet stapling, 500 sheets max. output
<b>PK-519 Punch kit for FS-533</b>	2/4 hole punching, autoswitching
<b>FS-534SD Booklet finisher</b>	50-sheets staple finisher, 20-sheets booklet finisher, 2,200 sheets max. output
<b>PK-520 Punch kit for FS-534/SD</b>	2/4 hole punching, autoswitching
<b>PK-520 Punch kit for FS-534</b>	2/4 hole punching, autoswitching
<b>JS-506 Job separator</b>	Separation for fax output etc.
<b>OT-506 Output tray</b>	Output tray used instead of finisher
<b>KP-101 10-Key pad</b>	For use instead of touchscreen

<b>WT-506 Working table</b>	Authentication device placement
<b>FK-511 Fax board</b>	Super G3 fax, digital fax functionality
<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>ID card reader</b>	Various ID card technologies
<b>MK-735 Mount kit</b>	Installation kit for ID card reader
<b>AU-102 Biometric authentication</b>	Finger vein scanner
<b>SC-508 Security kit</b>	Copy guard function
<b>BT-C1e Banner tray</b>	Multipage banner
<b>LK-101 Web browser</b>	Web browser and image panel
<b>LK-102 PDF enhancements</b>	PDF/A, PDF encryption, digital signature
<b>LK-105 OCR text recognition</b>	Searchable PDF and PPTX
<b>LK-106 Barcode fonts</b>	Supports native barcode printing
<b>LK-107 Unicode fonts</b>	Supports native Unicode printing
<b>LK-108 OCR A and B fonts</b>	Supports native OCR A and B font printing
<b>LK-110 Document converter pack</b>	Generates various file formats incl. DOCX and XLSX
<b>LK-111 ThinPrint® Client</b>	Print data compression for reduced network impact
<b>UK-204 i-Option memory</b>	Memory extension for i-Options
<b>UK-208 WLAN for Android panel</b>	Required for alternative panel on Android platform
<b>SX-BR-4600 Wireless LAN</b>	Wireless LAN to network connector

## Technical specifications

### SYSTEM SPECIFICATIONS

<b>System memory</b>	2,048 MB (standard)
<b>System hard disk</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 RADF or Dualscan ADF available
<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.: 3,650 sheets
<b>Tray 1</b>	500 sheets, A5–A3, 52–256 gsm
<b>Tray 2</b>	500 sheets, A5–SRA3, 52–256 gsm
<b>Tray 3 (optional)</b>	500 sheets, A5–A3, 52–256 gsm
<b>Tray 4 (optional)</b>	2 x 500 sheets, A5–A3, 52–256 gsm
<b>Large capacity tray (optional)</b>	2,500 sheets, A4, 52–256 gsm
<b>Large capacity cabinet 1 (optional)</b>	3,000 sheets, A4, 52–256 gsm
<b>Large capacity cabinet 2 (optional)</b>	2,500 sheets, A4–SRA3, 52–256 gsm
<b>Manual bypass</b>	150 sheets, A6–SRA3, custom sizes, banner, 60–300 gsm
<b>Automatic duplexing</b>	A5–SRA3; 52–256 gsm
<b>Finishing modes (optional)</b>	Offset; group; sort; staple; punch; post insertion; centre-fold; letter fold; booklet
<b>Output capacity (with finisher)</b>	Max.: 3,300 sheets
<b>Output capacity (without 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>Letter fold</b>	Up to 3 sheets
<b>Letter fold 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 (tray); unlimited
<b>Copy/print volume (monthly)</b>	Rec.: 30,000 pages Max.: 60,000 pages
<b>Toner lifetime</b>	29,280 pages
<b>Imaging unit lifetime</b>	130,000 pages/600,000 pages (Drum/Developer)
<b>Power consumption</b>	220–240 V / 50/60 Hz; Less than 2.0 kW (system)
<b>System dimensions (W x D x H)</b>	615 x 685 x 921 mm (excl. lower paper tray unit)
<b>System weight</b>	Approx. 93 kg

### COPIER SPECIFICATIONS

<b>Copying process</b>	Electrostatic laser copy, tandem, indirect
<b>Toner system</b>	Simitri® HD polymerised toner
<b>Copy/print speed A4</b>	Up to 45 ppm
<b>Copy/print speed A3</b>	Up to 22 ppm
<b>Autoduplex speed A4</b>	Up to 45 ppm
<b>1st copy out time</b>	4.6 sec.
<b>Warm-up time</b>	Approx. 25 sec. <sup>1</sup>
<b>Copy resolution</b>	600 x 600 dpi
<b>Gradation</b>	256 gradations
<b>Multicopy</b>	1 – 9,999
<b>Original format</b>	A5–A3
<b>Magnification</b>	25–400% in 0.1% steps; auto-zooming
<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 (optional); stamping; copy protection

<sup>1</sup> Warm-up time may vary depending on the operating environment and usage

**PRINTER SPECIFICATIONS**

<b>Print resolution</b>	1,800 x 600 dpi; 1,200 x 1,200 dpi
<b>Page description language</b>	PCL6 (XL 3.0); PCL 5; PostScript 3 (CPSI 3016); XPS
<b>Operating systems</b>	Windows XP (32/64) Windows VISTA (32/64) Windows 7 (32/64) Windows 8 (32/64) Windows Server 2003 (32/64) Windows Server 2008 (32/64) Windows Server 2008 R2 (64) Windows Server 2012 (64) Macintosh OS X 10.x Unix, Linux, Citrix
<b>Printer fonts</b>	80 PCL Latin; 137 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; "Easy Set" job programming; overlay; watermark; copy protection; carbon copy print

**SCANNER SPECIFICATIONS**

<b>Scan speed (with optional document feeder) (mono/colour)</b>	Up to 160 ipm
<b>Scan resolution</b>	Max.: 600 x 600 dpi
<b>Scan modes</b>	Scan-to-eMail (Scan-to-Me) Scan-to-SMB (Scan-to-Home) Scan-to-FTP Scan-to-Box Scan-to-USB Scan-to-WebDAV Scan-to-DPWS Network TWAIN scan
<b>File formats</b>	JPEG; TIFF; PDF; PDF/A 1a and 1b (optional); Compact PDF; encrypted PDF; searchable PDF (optional); XPS; compact XPS; PPTX; searchable PPTX (optional); searchable DOCX/XLSX (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 e-mail/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 receipt Fax polling
<b>User box functionality</b>	Reprint; combination Download Sending (e-mail/FTP/SMB and fax) Copy box to box

**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 disk overwrite (8 standard types); Hard disk data encryption (AES 128); Memory data auto deletion; Confidential fax receipt; Print user data encryption; copy protection (Copy Guard, Password Copy) optional
<b>Accounting</b>	Up to 1,000 user accounts; Active Directory support (user name + password + e-mail + smb folder) User function access definition Biometric authentication (finger vein scanner) optional ID card authentication (ID 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

- All specifications refer to A4-size paper of 80 gsm quality.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and 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 life of each consumable will vary depending on 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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