

KONICA MINOLTA

bizhub PRESS C8000

The high-level digital press
for high-value solutions.

A4 Black and White **80** pages/min
A4 Full Colour **80** pages/min

*Printing speed may vary according to the paper weight.



The essentials of imaging

Not just added value, an added edge for digital printing professionals.

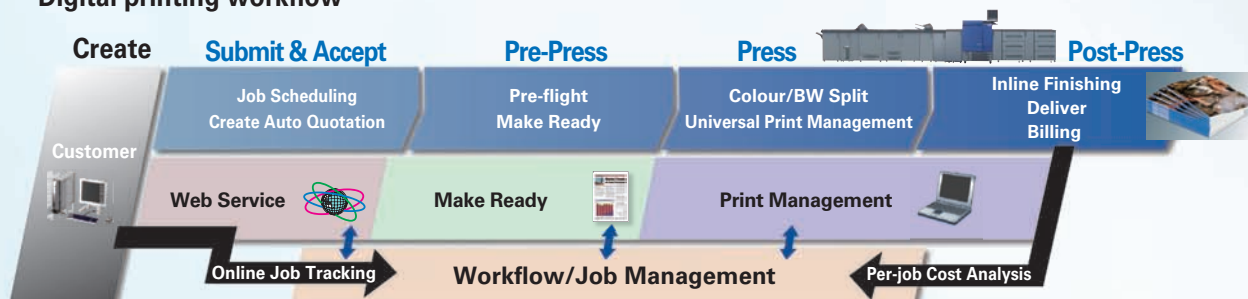


bizhub PRESS C8000

The next-generation flagship model that holds unlimited digital printing potentials to meet the high-level needs of professionals.

- High image quality and definition nearly equal to offset printers, achieved with the further advanced S.E.A.D. II image processing technology
- Outstanding image retention and stability through the pursuit of consistently beautiful quality from the first print to the last
- More business opportunities with enhanced media handling
- High productivity to meet short runs with ease
- High reliability and durability for professional confidence
- High performance, productivity and added value with various in-line post-processing finishing options

Digital printing workflow



bizhub PRESS

bizhub PRESS creates new values for printing businesses by providing innovations through high-level technologies and a new workflow in digital printing based on high quality products and services that offer high value-added total solutions.

High image quality nearly equal to offset printers

For Digital Print Professionals

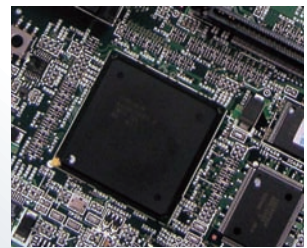
With the further advanced S.E.A.D. II image processing technology, 1,200 dpi 8-bit high definition outputs, the pursuit for outstanding image retention and stability, and natural lustre with Simitri HD+ (plus) toner, and more, bizhub PRESS C8000 brings new possibilities to digital printing with high image quality nearly equal to offset printing.



Image quality and definition advance to a higher dimension.

S.E.A.D. II – a condensation of the latest image-processing technologies

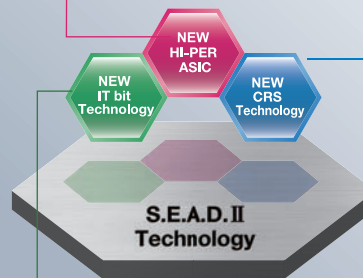
S.E.A.D. (Screen-Enhancing Active Digital Processing) II is an accumulation of various advanced digital image-processing technologies condensed in a single system – including multi-layer expressions at 8 bits per pixel, and dot position control technology which segments each pixel at 1/256 size – achieving high image quality, and image retention and stability that are nearly equal to offset printing.



S.E.A.D. II's 3 advanced technologies – high image quality, high stability and high productivity at a higher dimension.

<NEW> HI-PER ASIC¹

An exclusive ASIC that offers a range of digital imaging processes.



<NEW> CRS² Technology

Konica Minolta's original image stabilising system that maintains high image quality through feedback about changes in the main unit's characteristics.

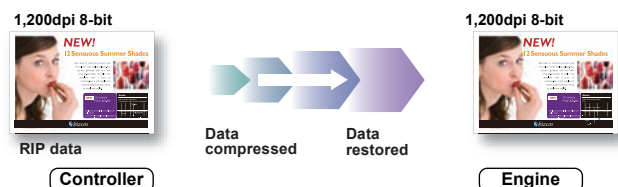
<NEW> IT bit Technology

A high level image processing technology including dot position control, multi-bit screening, 1,200 dpi 8-bit data processing, and outline processing.

1 ASIC: Application-Specific Integrated Circuit
2 CRS: Colour Retention and Stability

1,200 dpi 8-bit resolution data processing and 1,200 dpi x 1,200 dpi resolution high precision printouts

In addition to high precision printouts at real 1,200 dpi resolution for outstanding reproductions of fine characters and thin lines, C8000 realises full-colour 8-bit multi-layer data processing, providing more accurate reproductions of fine details. And with the combination of Simitri HD+ (plus) toner, C8000 pursues reproduction quality that is nearly equal to offset printers.



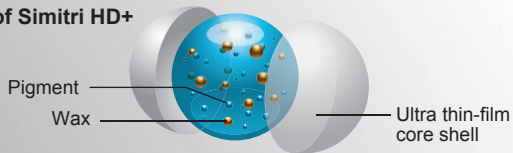
Simitri HD+ toner – a combination of high quality images and high productivity

The Simitri HD+ (plus) toner is newly developed for C8000's high productivity as well as pursuing higher image quality. In addition to providing high speed colour outputs of up to 80 ppm*, as well as low temperature fusing for better productivity for a variety of paper types including thick paper, C8000 achieves natural lustrous results similar to offset printing.

*: 64~135 g/m² A4 paper.

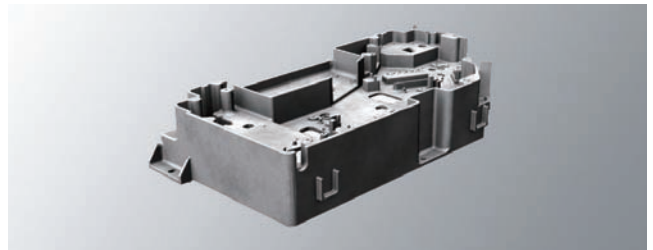


Structure of Simitri HD+



New aluminium die-cast laser unit

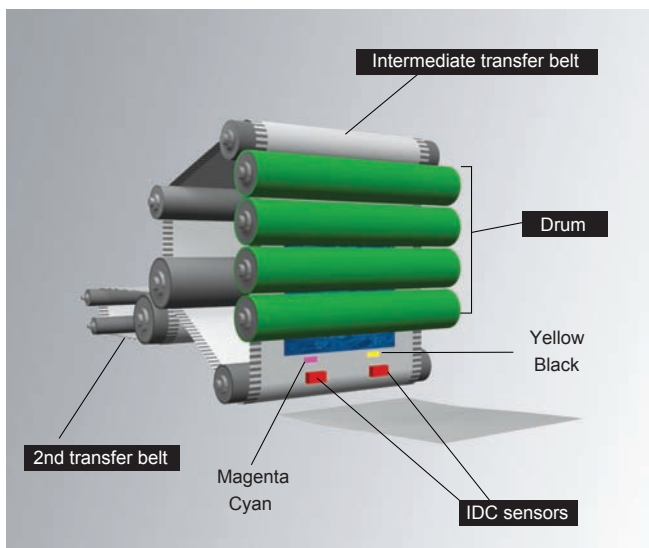
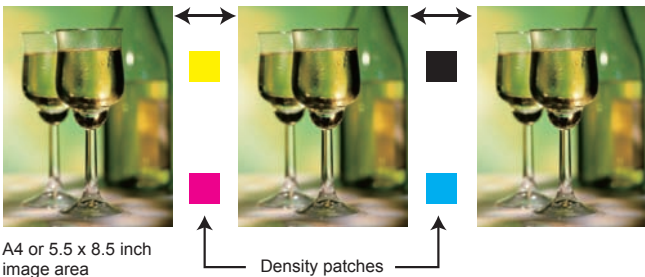
In order to enhance the writing accuracy of the 1-chip/8-beam laser used as the light source, C8000 employs an aluminium die-cast laser unit housing and polygon housing which is less affected by the installation environment. To further improve writing accuracy, the main body side adjustment mechanism turns and adjusts the entire print head to keep it constantly parallel with the drum.



The pursuit for consistently beautiful quality from the first print to the last with outstanding image retention and stability

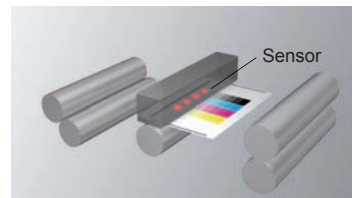
IDC sensors for real-time colour density adjustments

The IDC (Image Density Control) sensors read patches of CMYK, which are created between the images, providing real-time feedback control during continuous printing. The maximum densities and half-tone densities are adjusted automatically to achieve image stability without affecting performance. Furthermore, automatic correction offers efficiency to maintain stable image quality.



New gradation correction with colour density control that reflects the 2nd transfer/fusing changes and varied characteristics of papers through an output paper density sensor

The newly developed gradation correction function meets the varied characteristics of output papers. It offers detailed gradation corrections according to the type of paper used by printing charts which are read by a colour density sensor built into the RU-508 Relay Unit. The correction values can be set for up to 15 paper categories, including, coated, plain, and high quality papers, for gradation corrections.



New density balance adjustment function for consistently stable densities for printouts

C8000 is equipped with a density balance adjustment function that adjusts the image for consistent density. It prints a specified colour patch chart where the data is read by a spectrophotometer* and transferred to the C8000 via PC and USB memory, realising printouts that are adjusted for consistent densities.

* Optional x-rite i1 iSis XL or i1

C8000

Designed for a Comfortable Life

Designed for a Comfortable Life

Uneven density print out

Density balance adjustment chart sizes. Limited to 4 sizes: A3, SRA3, 11"x17", 12"x18"

The following sizes can be read by x-rite's spectrophotometer. i1i Sis XL scanning paper width: 6 to 33 cm (2-1/2" to 13".)

Scanned data via USB memory for uneven density adjustments

New potentials for the printing business

For Digital Print Professionals

With a maximum 350 g/m² thick paper compatibility, a hybrid decurling mechanism that reduces curls for various paper types, flexible media handling for 500 types of paper profiles, and more, bizhub PRESS C8000 provides high productivity to meet short runs, creating new business opportunities to digital printing.

More business opportunities with enhanced media handling

Maximum of 350 g/m² thick paper compatibility

C8000 offers printing on paper of up to 350 g/m²* thick so its use can be expanded into new business fields that require thick papers such as packages and cards.

*40 ppm in colour (A4) when using the optional PF-704/PF-705 Paper Feeder Units.



Up to 500 types of paper profiles

C8000's paper profile can register up to 500 types of paper allowing the appropriate setting for each paper type. It can also be synchronised with an image controller equipped with a paper catalogue (such as IC-306) for modifications to the information of paper that is already registered in the paper profile.

Air suction belt feeding mechanism for the pursuit of sure paper feeding for a wider variety of media

C8000's PF-704* and PF-705* Paper Feeder Units adopt an air suction belt feeding mechanism which delivers air to both the front and sides so each paper can be delivered by the belt separately, achieving a high level of feeding accuracy for a wide variety of paper types and weights including coated paper and art paper.

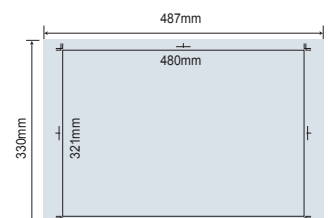
* Optional



Maximum paper size and printing area for printing full crop marks on A3 paper

C8000 is compatible with paper sizes up to 330 mm x 487 mm allowing the printing of crop marks on paper as small as 100 mm x 139 mm* to A3 size sheets. And with a maximum printing area of 321 mm x 480 mm, it can combine bleed printing with saddle stitching and perfect binding of covers for A4 size paper.

*When paper feeding with the optional PF-704 and/or PF-705 Paper Feeder Units using a small size paper guide for 100 mm to 139 mm size paper.



A hybrid decurling mechanism that significantly reduces paper curls

The RU-508 Relay Unit is equipped with a mechanical decurler with a zig-zag paper passage that reduces paper curls. The decurling strength can be adjusted in 5 stages in both directions. Furthermore, the newly developed HM-101 ICE (Inter-cooler Curl Eliminator)* prevents curling by maintaining the proper paper moisture through humidification after printing. The standard mechanical decurler is effective for coated paper, while both it and the optional ICE are effective for uncoated paper. Such high degree of decurling prevents waviness of pages and upward warping of booklets for a finer quality finish.

* Optional

ICE (Inter-cooler Curl Eliminator)* for effective neutralisation of static electricity and heat removal for a surer post-processing workflow

Another benefit of the ICE is that it offers effective neutralisation of static electricity and heat removal. Static electricity neutralisation solves problems such as clinging among the papers and electrostatic shock to the users. Heat removal cools the output paper, preventing heat storage which may cause tacking among the images during large volume loading.

* Optional

High productivity to meet short runs with ease.

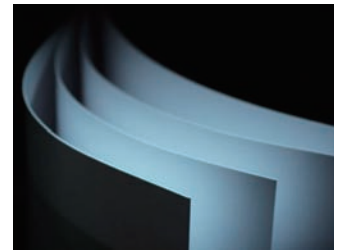
Maximum 80 ppm high-speed colour printing (A4)

C8000 achieves high-speed colour outputs at 80 pages per minute (ppm) (A4) for the most frequently used 64 to 135 g/m² paper weights, boasting high productivity for creating simple leaflets to multi-page booklets.



70 ppm (A4) and automatic duplex printing for thick paper up to 300 g/m²

C8000 also offers high speed printing of 70 ppm (A4) for thicker paper between 136 to 300 g/m². And C8000 maintains high productivity with automatic duplex printing for paper weights from 64 to 300 g/m².

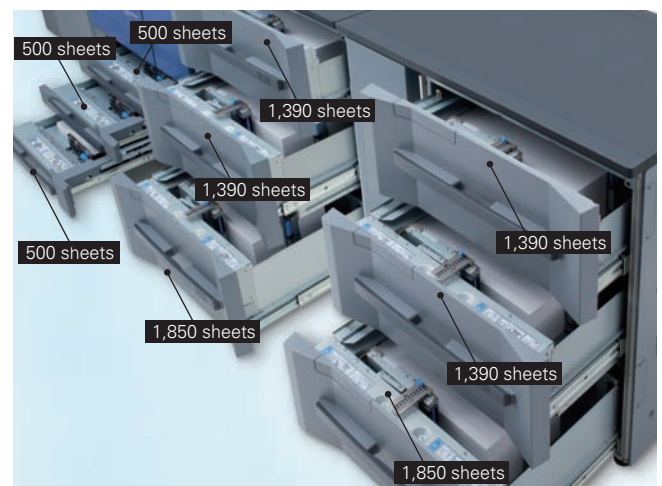
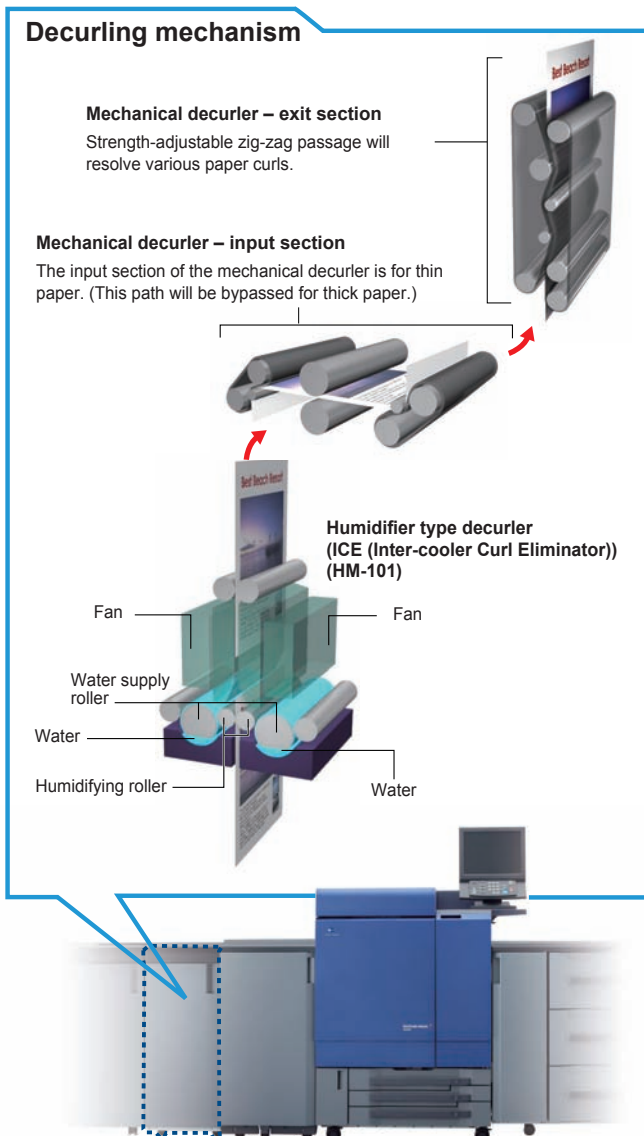


Maximum 10,760-sheet paper capacity

C8000's main unit provides three levels of 500-sheet paper trays, for a storage total of 1,500 sheets. Furthermore, by connecting the 4,630-sheet capacity PF-704* and PF-705* Paper Feeder Units, or even two PF-704s*, C8000 offers a maximum paper capacity of 10,760 sheets. As paper feeding is even available during operation, C8000 eliminates the downtime needed for paper replacements so it can handle large-volume printing orders with ease.

* Optional

Note: All paper capacities mentioned are for 80 g/m² paper.



Solid and flexible

For Digital Print Professionals

With a highly rigid frame and chassis for the body, high precision duplex registration skew correction, a dual fusing system, and more, bizhub PRESS C8000 boasts numerous highly reliable designs along with controllers and finishing systems to complement your business. Strength and flexibility are combined for professional confidence.

High reliability and durability that meet your professional needs

Highly rigid frame, chassis and parts, and long-life units and consumables

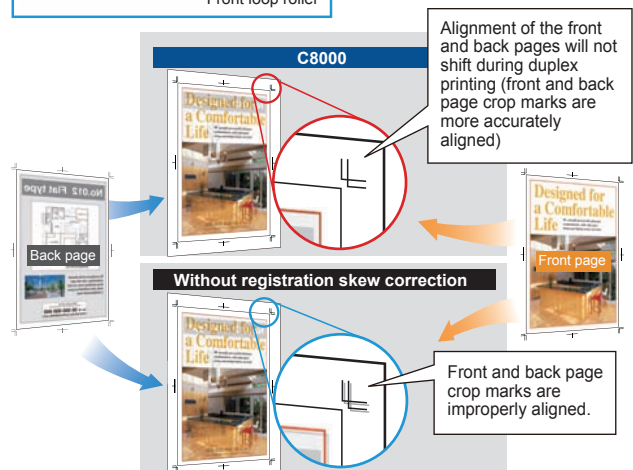
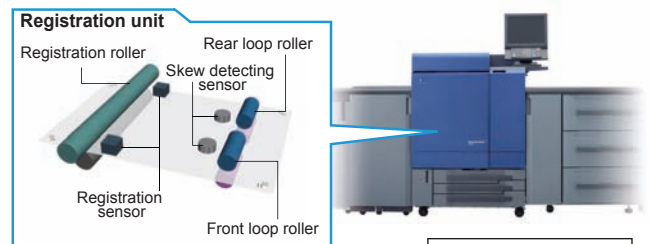


C8000 adopts a highly rigid frame, chassis and parts to prevent torsional damage to its body as well as pursuing strength and durability. In addition, it realises a longer life for the units and consumables with about 1.5 times more for the developer's and drum's lifecycles and about 2.5 times more for the toner's lifecycles over previous models. Konica Minolta pursues reliability that can meet the rigorous demands of professionals.



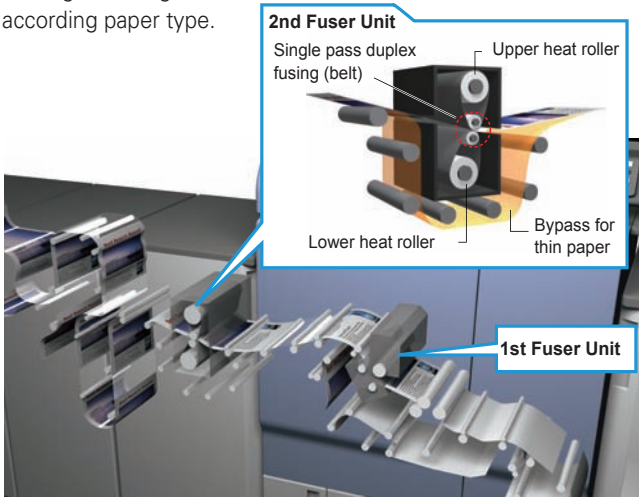
High precision duplex registration skew correction that meets a wide variety of paper types

A high precision duplex registration skew correction is used to enhance image-positioning accuracy for duplex printing. As the skew detecting sensors sense the skew amount after the leading edge of the paper passes the loop rollers, the front and rear loop rollers are driven independently to correct the paper skew during paper feeding, providing high precision registrations for a wide variety of paper types.



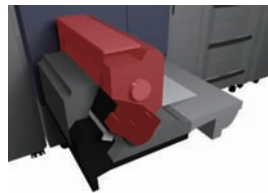
New dual fusing system for a variety of paper types

Konica Minolta has newly developed an original single pass duplex fusing system to enhance productivity for coated and thick papers, as well as provide a more lustrous finish. For certain paper types, such as thin paper, which do not require second fusing, this process will be bypassed, therefore providing the right fusing needs according to paper type.



Significantly reduced downtime with O.R.U.M. (Operator Replaceable Unit Management)

C8000 allows you to manage the units, replace parts, make adjustments and clean up when you need, to maximise its operating time. This helps to maintain image quality and contributes to reduced downtime for maintenances according to its use.



Layout-free large 15-inch colour LCD display

To meet the varied usage environments, C8000 offers a remote-type touch-panel display that can be placed anywhere on the top of the machine. The controller monitor can also be placed parallel to the display monitor. For added safety, four locations for fixing are provided to prevent the display from accidentally falling.



Notifications through voice guidance

C8000 provides notifications such as toner replacement or improper settings of specified papers with an easy-to-hear voice guidance as well as alarms. As the details of the C8000's conditions are conveyed more directly than an alarm, the voice guidance helps to enhance work efficiency.

A choice of three image controllers to meet your business



New IC-306 image controller for a wide variety of digital on-demand printing

The new IC-306 is a C8000-exclusive Fiery image controller from the market-renowned EFI Inc. It adopts the new Core software System 9 to provide stable outputs. In addition to providing 1,200 dpi resolution and 80 ppm (A4)*, IC-306 allows you to check the quality of the print-in-progress by printing sample pages from a different paper tray without interrupting the printing process. It even incorporates a function that automatically forces out unused tabbed papers that are left behind in a paper tray from a previous job. IC-306 also includes a built-in paper catalogue that allows it to set the paper trays for the C8000.

New software includes:

- Fiery Driver 4.0 (Windows and Mac)
- Command WorkStation 5 (except Windows 2000 and Mac OS 10.3.9)
- SeeSequence v1 (Impose + Compose + Preview)
- Color Management
- VDP (Variable Data Printing) Resource Manager v5
- Hot Folders v3 (except Windows 2000 and Mac OS 10.3.9)
- Clone Tool v1

* Printing speed will vary according to paper weight.

IC-307 image controller – advanced digital printing for commercial printers

IC-307 image controller's powerful functions include the Creo Colour Server – highly evaluated for its high-speed processing and stable colour management – with JDF connectivity, easy VDP (Variable Data Printing) file creator, and improved perfect binder support.

IC-601 image controller – compact with high connectivity to the main unit

IC-601 is Konica Minolta's original image controller with complete colour management functionality and strong connectivity to C8000. It offers various highly functional features including high-speed RIP processing, enhanced colour image reproduction, high speed image transfers, and compatibility with the main unit for job control and editing functions with the C8000's operation panel.

Various in-line post-processing system options

For Digital Print Professionals

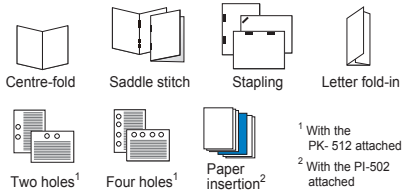
High performance, high productivity and high added value finishers

Hole punching, folding, stapling, saddle stitching and perfect binding can be chosen in a single system

Up to six types of finishers – each with the necessary functions including hole punching, various folding, saddle

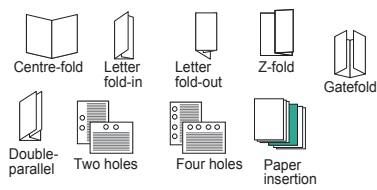
stitching and perfect binding – can be chosen in a single system, allowing you to configure the bizhub PRESS C8000 according to their purposes.

■ FS-612 Saddle Stitching Finisher



FS-612 has a maximum stapling capability of 50 sheets of paper*, and can saddle stitch 20 sheets* or 80 pages. Centre folding and letter folding are also standard. It can also be expanded with the optional PK-512 punch kit and/or PI-502 post inserter.

■ FD-503 Folding Unit



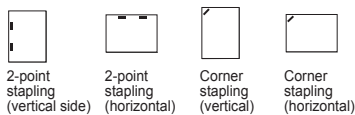
In addition to six different folding functions (centre-fold, letter fold-in, letter fold-out, double parallel, Z-fold, and gatefold), FD-503 offers a hole puncher and post inserter as standard. It can manually process already-printed documents as well.

■ PB-503 Perfect Binder



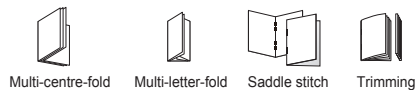
PB-503 handles a maximum of 300 sheets or a thickness of less than 30mm to provide perfect binding of books. Even gluing can be done in-line. And paper alignment technology offers fine binding of books without having to rely on three-way trimming.

■ FS-521 Stapling Finisher



FS-521 provides corner stapling and two-point stapling for a maximum of 100 sheets of paper*. In addition, an in-line clinch cuts the long staples for documents with fewer pages to provide a clean finish.

■ SD-506 Saddle Stitcher Unit

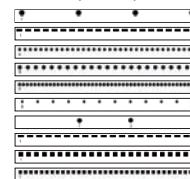


SD-506 can handle a maximum of 50 sheets of paper* to produce booklets of up to 200 pages. In addition to highly accurate saddle stitching with fewer page shifts, edge trimming is also standard. Furthermore, multi-centre-folding and multi-letter-folding can be processed for a maximum of 5 sheets*.

■ GP-501 Multi Punch Unit

(Optional die set is required)

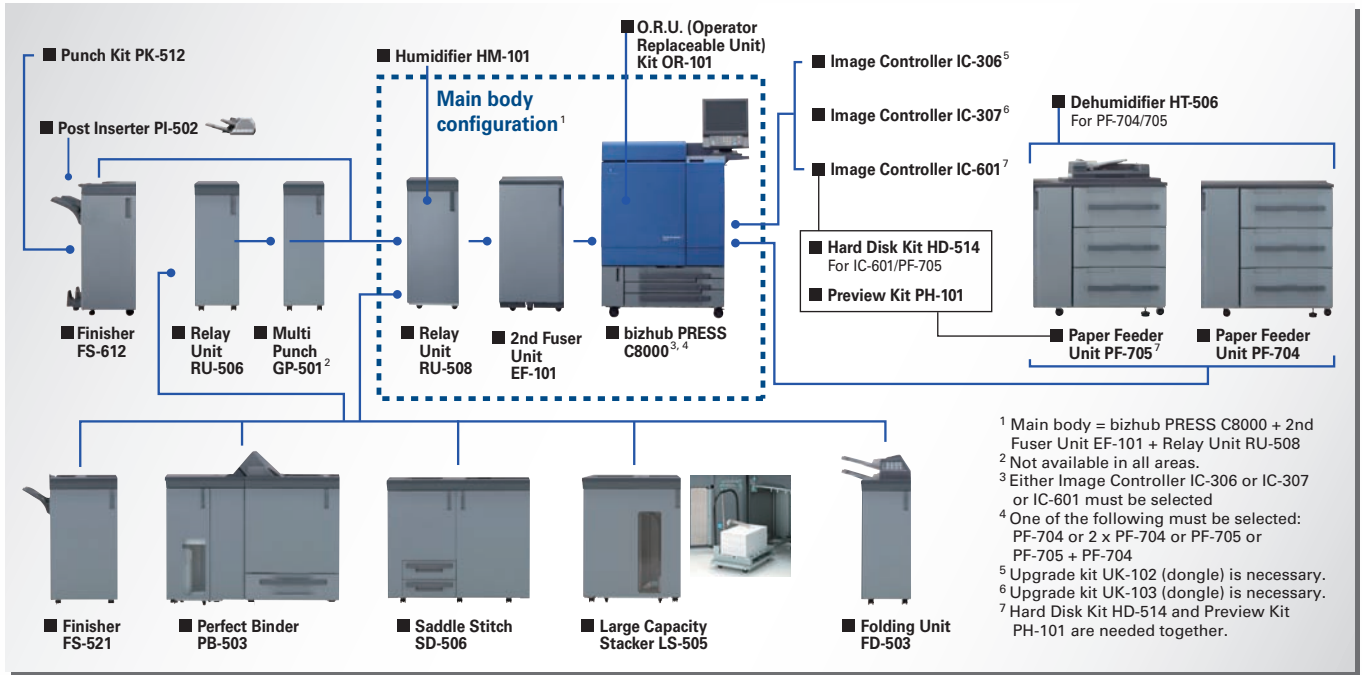
A4 size punch patterns [10 different styles]



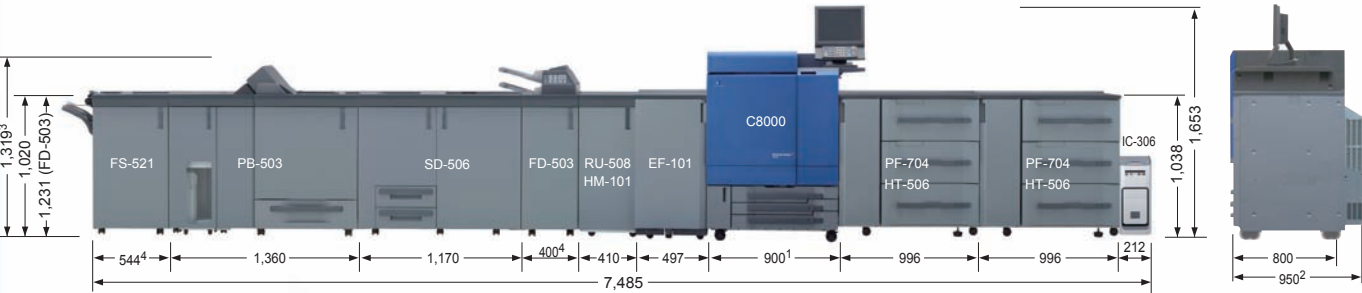
With an exchangeable die set (punch marks), a variety of hole-punching styles are available for A4 paper. (Not available for all areas)

* When using 80 g/m² paper





C8000 System Configuration Example Main body (including EF-101+RU-508) +HM-101+FD-503+SD-506+PB-503+FS-521+PF-704+HT-506+PF-704+HT-506+IC-306+UK-102



* Dimensions and configurations may be subject to change. The actual installation space required may also vary slightly due to the connection parts for each option.



Dimensions (mm) and weight (kg)	Width	Depth	Height	Weight
C8000 main body	900 ¹	950 ²	1,319 ³	450
EF-101	497	774	1,020	95.5
RU-508	410	735	1,020	80
PF-704	996	772	1,038	212
PF-705	996	772	1,208	242
FS-521	544 ⁴	723	1,020	80
FD-503	400 ⁴	723	1,231	130
SD-506	1,170	775	1,020	280
PB-503	1,360	775	1,223	270
LS-505	785	723	1,020	110
FS-612	424 ⁴	656	990	65
GP-501	300	775	1,020	80
RU-506	350	775	1,020	47
PI-502	511	220	620	10.5
IC-306	212	488	482	20

¹ Excluding operation panel and working table
² Maximum depth 950mm (including rear side duct)
³ Excluding operation panel
⁴ Excluding main tray

bizhub PRESS C8000 General Specifications

Model Name bizhub PRESS C8000	Image Loss 4mm or less for top/bottom edges, 3mm or less for right/left edges	Power Consumption Less than 6kW
Type Console	Warm-up Time 420 sec. or less	Dimensions 1,807mm ³ x 950mm ⁴ x 1,319mm ⁵ (71-1/4" x 37-1/2" x 52")
Colour Support Full colour	Print Speed² (A4/Letter) Full Colour: 80ppm B/W: 80ppm	Weight C8000: 450kg (992lb), EF-101: 91kg (200-1/2lb), RU-508 : 80kg (176-1/4lb)
Resolution Scan: 600 x 600dpi (option) Print: 1,200 (equivalent to 3,600) x 1,200dpi	Paper Capacity Tray 1, 2, 3: 500 sheets each	Space Requirements [W] x [D] 5,196 ^{6,8} x 1,584 ^{7,8} mm (204-3/4" x 62-1/2") (C8000 + EF-101 + PF-704 + RU-508 + LS-505 + PB-503 + IC-306)
Memory DIMM: 512MB x 6 HDD: 160GB x 6 SATA (option)	Paper Weight 64 to 300 g/m ² , PF-704/705: 64 to 350g/m ²	Footnotes: ¹ S : Short edge feed  ² Printing speed may vary according to the paper weight. ³ Including RU-508 and EF-101. ⁴ Including back side duct. ⁵ Excluding operational panel. ⁶ Supposing Image Controller IC-306 is positioned 5 mm to the side of Paper Feeder Unit ⁷ With the fixing conveyance unit pulled out ⁸ Keep 500 mm (19-3/4") or more space free on the back, and 100 mm (4") or more on both sides of the machine.
Gradation 256	Multiple Print 1 to 9,999 sheets	
Paper Size SRA3, A3, B4, SRA4, A4, SRA4S ¹ , A4S ¹ , B5, B5S ¹ , A5S ¹ , 12" x 18", 11" x 17", 8.5" x 11", irregular sizes (330 x 487 to 140 x182mm)	Auto Duplex (Type) Stackless ADU Standard	
	Power Requirement 220 to 240V 24A (50 to 60Hz)	

Optional Controller function

Model	IC-306 ² (EFI)	IC-307 ³ (Kodak)	IC-601 ⁴ (Konica Minolta)
Type	Server	Server	Embedded
CPU	Core 2 Quad Q9400 2.66 GHz	I7-860 Quad Core, 2.80GHz	Core2 Duo 2.8GHz
Memory	2GB	5GB (System Memory: 2GB Image Memory: 3GB)	4GB
HDD	160GB SATA	500GB x 4 SATA2	250GB x 2 SATA
Print Speed ¹ (A4 /Letter)	80ppm	80ppm	80ppm
Print Resolution	1,200 x 1,200dpi, 600 x 600dpi	1,200 x 1,200dpi, 600 x 600dpi	1,200 x 1,200dpi, 600 x 600dpi
PDL	PostScript3 CPSI3017 PDF1.7 TIFF PPML VPS	PostScript3 CPSI3017 PDF1.7 TIFF PPML PPML/VDX VPS	PostScript3 CPSI3019 PDF1.7 TIFF (2nd) PPML PCL5c/6 (2nd) XPS (2nd)
Protocol	TCP/IP, SNMP, IPP, FTP, SMB, AppleTalk (EtherTalk), Bonjour	TCP/IP, SMB, LPR, Bonjour	TCP/IP, IPX/SPX, Net BEUI, AppleTalk (EtherTalk), IPP, WSD
Operating System	Windows 2000 Windows XP Windows Server2003 Windows Vista Windows 7 Windows Server2008 MacOSX 10.3.9 MacOSX 10.4 or later	Windows XP Windows Server2003 Windows Vista Windows 7 Windows Server2008 MacOSX 10.3.9 MacOSX 10.4 or later	Windows 2000 Windows XP Windows Server2003 Windows Vista Windows 7 Windows Server2008 MacOSX 10.4 or later
Fonts	PS: 136 fonts	PS: 207 fonts	PS: 136 fonts PCL: 81 fonts
Interface	10/100/1000Base-T	10/100/1000Base-T	10/100/1000Base-T
Dimensions	212mm x 488mm x 482mm (8-1/2" x 19-1/4" x 19")	180mm x 555mm x 445mm (7-1/4" x 21" x 17-1/2")	412mm x 114mm x 402mm ⁵ (16-1/4" x 4-1/2" x 16")

¹ Printing speed may vary according to the paper weight. ² Upgrade kit UK-102 (dongle) is necessary. ³ Upgrade kit UK-103 (dongle) is necessary.

⁴ Hard Disk Kit HD-514 and Preview Kit PH-101 are needed together. ⁵ Includes main body support bar and protrusion parts (screws).

For more information please visit the bizhub PRESS Web site at <http://www.bizhubpress.com>

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Ecology & Environment

KONICA MINOLTA products are designed with the environment in mind.

- RoHS Compliance
- WEEE Compliance
- Eco-friendly Toners
- Production at ISO Certified Factories

ISO15408 (EAL Level 3) Certification

These products comply with the security requirements of ISO15408 (EAL Level 3).

* The ISO 15408 certification applies only to IT security capabilities. This certification is NOT a product guarantee.

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).

KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.

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