KONICA MINOLTA

bizhub PRESS C8000

The future of graphic arts has arrived

bizhub PRESS
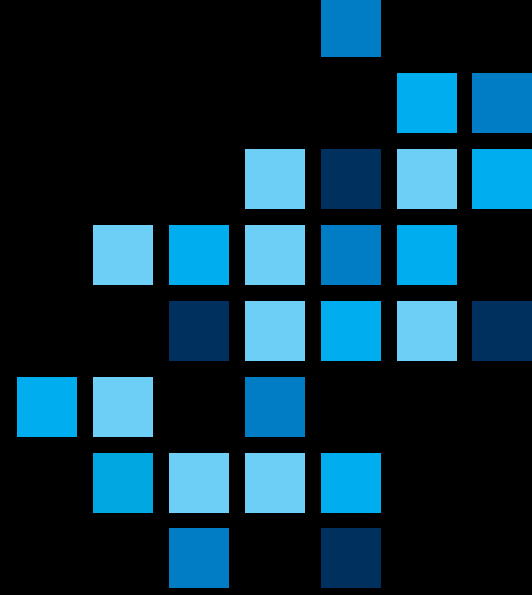
The innovation that
changes the game

Commercial printers need to innovate continuously to ensure business growth and to differentiate themselves from their competitors. They expect to maximise the potential of versatile digital presses that can match offset print quality and enhance variable data printing. Konica Minolta has responded to these expectations with the bizhub PRESS C8000.

This flagship Konica Minolta digital press exceeds the requirements of commercial printing environments. Its combination of production speed and unrivalled quality never fails to impress commercial printers. The bizhub PRESS C8000 professional digital colour press features a compact footprint so it fits into any print production site with ease. Its guaranteed fast turnaround assists in lowering the cost of labour and other hidden costs, delivering higher profits with better margins.

The bizhub PRESS C8000 makes managing short-run, print on demand, personalised and customised print jobs easy. As a versatile production press it easily assists printers to meet the diverse requirements of print customers. Its extensive capabilities enable commercial printers to enter the production print market, as well as expand in-house colour production in large corporations to increase the effectiveness of their promotions and take their message to market faster.

Konica Minolta's digital on-demand colour press delivers, quite simply, the best quality in the market, and meets the most demanding requirements of mid-range commercial printers.

Quite simply **the best!**

Unrivalled image quality

The bizhub PRESS C8000 uses imaging technology delivering 1200 x 1200 dpi x 8-bit full colour resolution with smoothing for unmatched clarity and precision. Konica Minolta's S.E.A.D II technology and a highly accurate laser beam position increases reliability and durability.

The new, third-generation Simitri® HD+ polymerised toner increases productivity with heavy paper stocks and improves the image quality even further, with low temperature fixing.

Outstanding productivity

The high print speed of up to 80 A4 impressions per minute ensures that production runs can be completed on time. Tight deadlines are no longer a problem for both short-run and higher volume print jobs.

The fast turnaround times of the bizhub PRESS C8000 create new business opportunities. New revenue streams can be found in customised communications and other short-run digital colour jobs that must be produced within tight deadlines.
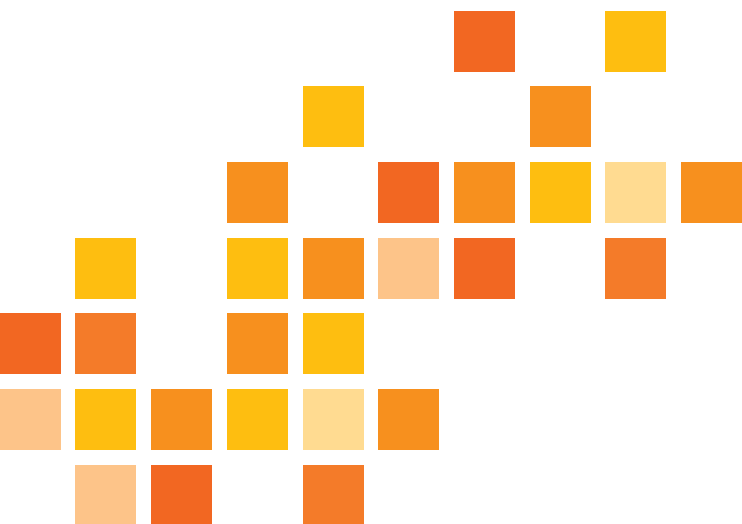
Commercial printers gain additional flexibility with ORUM (Operator Replaceable Unit Management), which minimises production standstills and avoids interruptions at peak production times, considerably raising the overall productivity of the entire business.
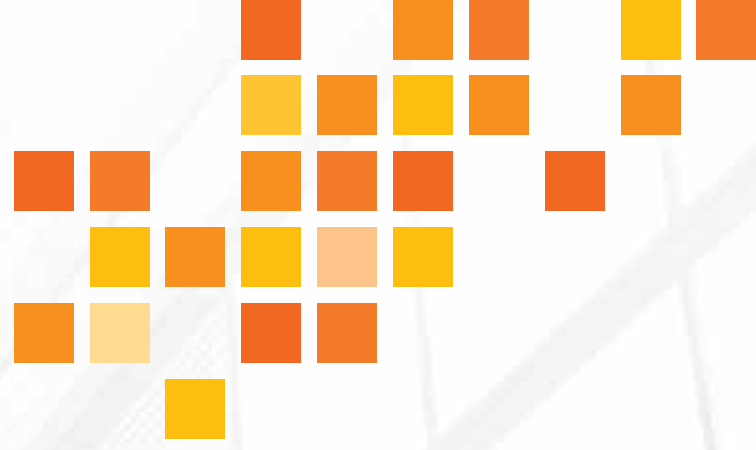
Hidden costs in the preparation, warehousing and distribution of print jobs are considerably reduced, for greater savings and more profitable short-run printing. Konica Minolta's digital colour press is an ideal production-capable printer, and the perfect tool for an easy entry into digital production printing for commercial printers.

Leading media capabilities

The bizhub PRESS C8000 features a class leading, sophisticated media management system. Paper stocks from 64 to 350 gsm can be processed, and duplex printing is possible on stocks up to 300 gsm.
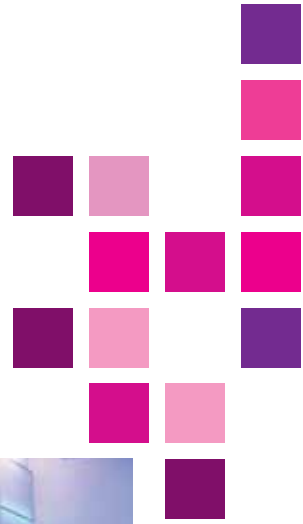
The unique Humidification Unit elevates the moisture content of the printed paper to prevent curling. The print results are crisp, clean and beautifully defined every time. Customers will be completely satisfied with every print job.

The future of graphic arts:
Premier quality and total consistency

The bizhub PRESS C8000 is equipped with unique digital imaging technologies that guarantee outstanding and completely consistent print quality. This is enhanced by other state-of-the-art technologies developed by Konica Minolta.

The bizhub PRESS C8000's advanced colour management tools ensure consistent, high definition colour images for vibrant print that matches offset output. This image quality is precisely consistent, from job to job, operator to operator, machine to machine, and delivers professional results that are sure to satisfy the most discerning customer.

Commercial printers can reap the benefits of a true professional digital press with which they can really exceed their customers' expectations and increase their business opportunities. The bizhub PRESS C8000 makes it easy to stand out as an innovator producing impeccable print quality while offering greater creativity and rapid delivery.

S.E.A.D. II

The bizhub PRESS C8000 utilises Konica Minolta's advanced, second generation colour processing technology called S.E.A.D, which stands for "Screen-En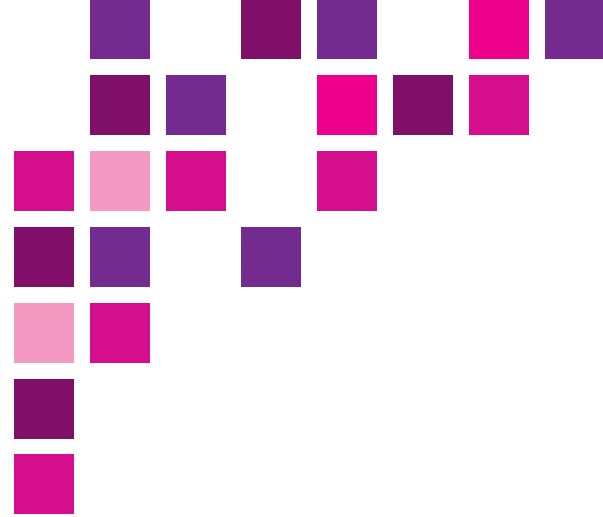hancing Active Digital Process". S.E.A.D. II combines several technical innovations to guarantee truly exceptional colour reproduction at top speed. S.E.A.D. II includes these important capabilities:

- **1,200 x 1,200 dpi x 8-bit print resolution**

  The outstanding print resolution on the bizhub PRESS C8000 reproduces the finest characters and thinnest lines to perfection. In combination with proprietary Simitri® HD toner, this produces print quality that matches offset output.

- **FM screen technology**

  The 1,200 dpi resolution also enables the bizhub PRESS C8000 to provide additional screens for higher quality prints, ensuring smoother and more realistic image reproductions that are a perfect match to print data. Frequency Modulated (FM) screen technology ensures the bizhub PRESS C8000 produces output with smooth gradations and quality fine line reproduction.

- **ITbit technology**

  A new development from Konica Minolta, outline processing improves the appearance of characters by thinning them so they appear sharper. Contour processing helps to reproduce white characters on backgrounds with ideal proportions and reduces jagged edges on half-tone characters.

- **Image stability**

  This short interval stability control, monitors image consistency on the bizhub PRESS C8000 continuously during printing without affecting performance. Any corrections are fully automatic and help to improve the stability of the image quality. This process considerably enhances production efficiency, alongside automated colour management tools. The bizhub PRESS C8000 streamlines workflows with calibration that is completely hands-free, and frees operators to focus on producing more outstanding quality jobs in less time.
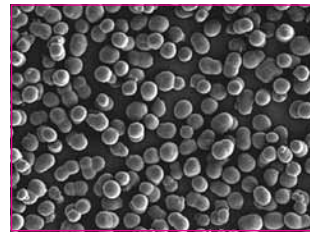
- **Density control**

  This new gradation correction function meets the varied characteristics of different media by correcting the gradations according to the paper used. Key operators no longer need to go through the time-consuming process of producing test patterns, saving time and boosting productivity.
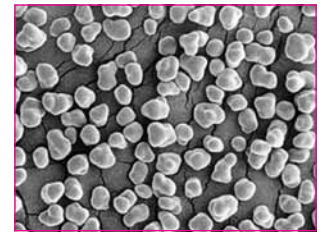

Simitri® HD+

The bizhub PRESS C8000 utilises Konica Minolta's third-generation Simitri® HD polymerised toner for enhanced image quality and low-temperature fusing, even when printing on heavy paper stocks. Simitri® HD+ ensures dots and narrow lines are reproduced precisely, and exhibit a natural lustre that matches offset printing. The range of supported media has been considerably extended with higher paper weights thanks to low-temperature fusing, and paper curling can be virtually eliminated.

Simitri® HD+ polymerised toner   Conventional toner

Skew detection

The bizhub PRESS C8000 produces prints with the utmost accuracy, thanks to a detection system that controls the skew amount after the leading edge of the paper has been fed. This is particularly important in duplex printing for such output as booklets, eliminating image shift problems.

The future of graphic arts:
Singular productivity and media flexibility

The consistent speed and productivity of the bizhub PRESS C8000 ensures that commercial printers and other businesses reliably meet their production goals. Scalable finishing equipment and three colour server options provide customised system configurations that can fit any business workflow. The bizhub PRESS C8000's unbeatable media processing capabilities facilitate the production of a wider variety of jobs on more print substrates. This unmatched performance sets a new benchmark.

Equipped with a robust print engine that delivers up to 80 ipm, Konica Minolta's digital colour press delivers the shortest turnaround times, regardless of the print job, and easily handles monthly volumes of up to 500,000 impressions.

Production uptime is increased considerably through the extensive automation of operator tasks. Konica Minolta's (Operator Replaceable Units [ORU]) concept and CS Remote Care diagnostics ensure the equipment runs smoothly for untroubled production runs that make a profit.

The bizhub PRESS C8000 is capable of producing an extensive range of print products due to its comprehensive media processing abilities. Paper profiles can be customised to suit particular applications, and combined with image alignment they can save time, increase productivity and ensure output of the highest quality.

Professional printers are able to handle more high-revenue jobs because of the bizhub PRESS C8000's flexibility in producing a wide variety of print products using a broad range of both coated and uncoated paper.

The bizhub PRESS C8000 boasts an impressive list of advanced inline finishing capabilities that include stacking, booklet making and even perfect binding. The modular system architecture allows for easy upgrades to finishing functions as they are needed by the growing printing business.

Konica Minolta's sophisticated media and finishing capabilities enable printers to expand their offerings and extend their customer base, maximising profits and ensuring a quick return on investment.

Special productivity features

The bizhub PRESS C8000 is the first colour press to adopt Konica Minolta's air suction belt paper feed system for extremely accurate feeding of a wider range of print substrates.

An impressive paper input capacity of up to 10,760 sheets is possible with the addition of two paper feed units featuring air-suction belt feeding technology.

The bizhub PRESS C8000 can be equipped with three different controllers that guarantee fast production, to satisfy the diverse requirements of professional printing environments.

• The external EFI controller IC-306 is the perfect general purpose workflow solution.
• The external CREO Controller IC-307 is the ideal solution for VDP applications (Creo VPS) and an excellent choice for hybrid prepress workflows.
• The embedded Konica Minolta Controller IC-601 offers affordable colour management as well as seamless integration with a wide range of Konica Minolta applications.

Extensive media support

Paper stocks from 64 to 350 gsm can be processed. All large capacity paper feed units trays are capable of handling the heaviest paper weight. Duplex printing is possible on paper stocks up to 300 gsm.
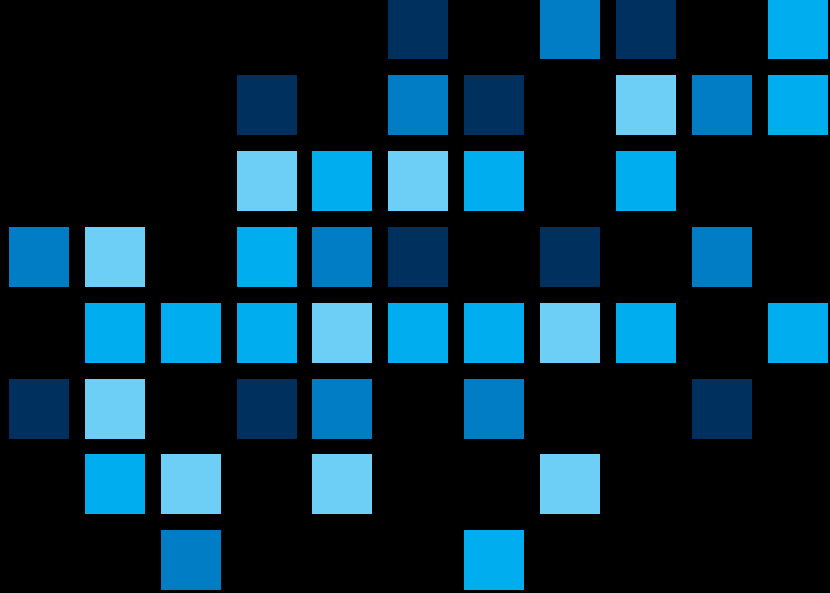
The bizhub PRESS C8000 offers automatic curl correction with two paper decurling mechanisms. The mechanical decurler reduces paper curl as printed paper passes through the Zig-Zag path mechanism. System performance is further enhanced with the unique humidification decurler, that elevates the moisture paper content eliminating curl and electrostatic charge.

bizhub PRESS
C8000

Superior colour accuracy
and management,
enhanced media handling
and impressive productivity.
The future has arrived

Unbeatable versatility
from start to finish

Professional finishing of the printed product is an integral part of any production run – however, flexibility is the key.

bizhub PRESS C8000 (main unit)

The bizhub PRESS C8000 brings professional finishing in-house with numerous advanced features for the production of sophisticated document formats. For example, Mixplex combines single and double-sided pages within one document, while mixmedia lets the user specify individual paper types from various trays for particular pages. The paper catalogue ensures total ease of use with media tracking versatility.

| two-sided printing/duplex | one sided printing | paper/toner refill during operation | mixplex one/two sided – during operation | combined mixplex/mixmedia | mixmedia white/ colour sheets from different trays |

Productivity enhancement module EF-101

The EF-101 enhances the print speed on the bizhub PRESS C8000 for heavy paper stocks. The EF-101 also gives the prints a gloss similar to offset output.
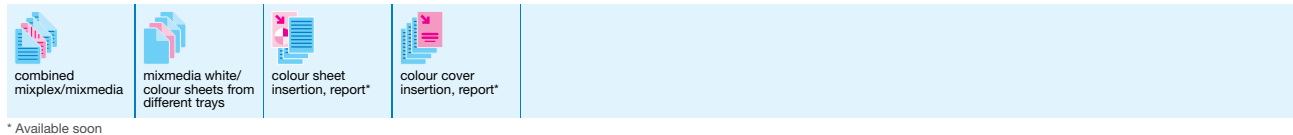
Relay unit RU-508

The relay unit RU-508 cools printed sheets for immediate finishing functionality. To effectively decurl paper, the mechanical decurler uses a zigzag mechanism. This strength can be adjusted in five stages in both directions to reduce the page curl. The Inter- Cooler Curl Eliminator (HM-101) is most effective on uncoated paper stocks as it supplies moisture to printed pages, This is also effective to neutralise electrostatic charge on the paper. Both decurlers reduce and prevent the waviness of pages that may occur after fusing, for a finer quality finish.

The bizhub PRESS C8000 can be equipped with a comprehensive range of highly versatile accessories.

Paper feed units PF-704 and PF-705

The large-capacity paper feed units PF-704 and PF-705, extend paper capacity, with each having three paper trays holding up to 4,630 sheets. All paper trays support 64 to 350 gsm paper stocks with full paper size support, utilising Air Suction Belt Feeding Technology. The PF-705 is equipped with a scanner and automatic document feeder that enables the bizhub PRESS C8000 to be used as a high performance colour scanner and copier.

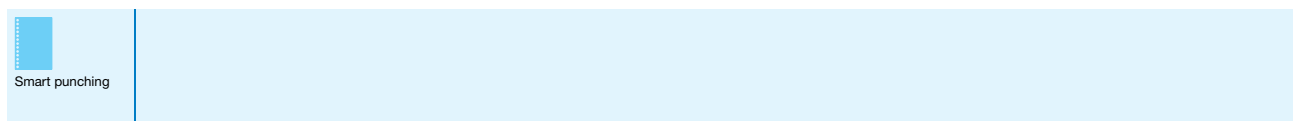| combined mixplex/mixmedia	mixmedia white/ colour sheets from different trays	colour sheet insertion, report*	colour cover insertion, report*

* Available soon

Folding & punching unit FD-503

The ideal choice for the production of mailings, flyers and similar products, the FD-503 is used to best advantage in combination with the booklet maker, staple finisher or perfect binder. The folding and punching unit provides six different folding schemes, two- or four-hole punching with 100% productivity, and the post-insertion of pre-printed sheets and covers.

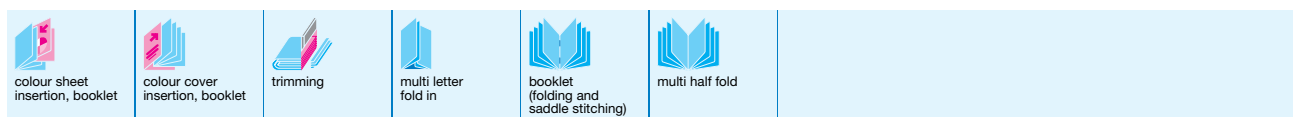| colour sheet insertion, report*	colour cover insertion, report*	two-hole punching	four-hole punching	half-fold	letter fold in	letter fold out	gate-fold	double parallel-fold	z-fold

Smart (GBC) punching unit GP-501*

The smart punching unit offers high performance, multi-hole (GBC) punching of sheets at full system speed prior to offline spiral binding. Numerous die sets are available, corresponding to the most popular punching schemes such as metal-based coil (velo) and plastic (comb) binding.

Smart punching

* RU-506 is required with GP-501

Booklet making unit SD-506

The SD-506 is ideal for saddle-stitched and trimmed booklets. It accelerates the inline production of marketing, sales and training materials, and can produce up to 200 pages (50 sheets), including automatic image shift and trimming. The multi-letter fold-in and multi-half-fold functionality for up to 5 sheets accelerates the creation of mailings.
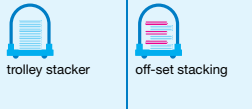
colour sheet insertion, booklet	colour cover insertion, booklet	trimming	multi letter fold in	booklet (folding and saddle stitching)	multi half fold

** Only with PF-705

Large-capacity stacking unit LS-505

The bizhub PRESS C8000 series with the LS-505 large-capacity stacking unit integrates easily into environments with existing finishing facilities. The trolley-mounted stacker has a capacity up to 5,000 sheets with off-set stacking. An integrated paper clamp mechanism ensures that moving the trolley keeps the stacked paper aligned for further off-line finishing.
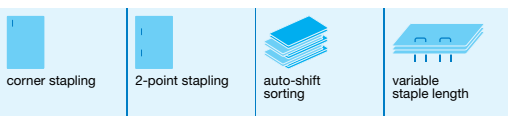
trolley stacker	off-set stacking

Perfect binding unit PB-503

This unit is ideal for the inline production of all kinds of perfect-bound books. Features of this unit include Z-fold insertion and the insertion of pre-printed covers and sheets. Bookbinding is possible for books with a spine width up to 30 mm, and it includes in-line cover trimming. The integrated cover tray has a capacity for up to 1,000 sheets. The PB-503 incorporates a trolley stacker to output perfect bound books. It can also be mounted in conjunction with the FS-521 stapling unit to combine perfect binding and stapling in one system.

perfect binder	perfect binder z-fold	trolley stacker for perfect bound books	perfect binder colour cover insertion	perfect binder colour cover sheet insertion

Stapling unit FS-521

When equipped with the FS-521, the bizhub PRESS C8000 provides multi-position stapling, making it perfect for the production of manuals, reports and other extensive documentation. Up to 100 sheets can be stapled at full productivity speeds, with staples cut to size. Auto-shift sorting and grouping is also available. Output capacity is up to 3,000 sheets.

corner stapling	2-point stapling	auto-shift sorting	variable staple length

	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
C8000 main body	900*	950**	1,319+	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++	723	1,020	80
FD-503	400++	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
GP-501	300	775	1,020	80

* excluding operation panel and working table

** including back side duct

\+ excluding operation panel

\++ excluding main tray

Technical specifications

Printer specifications
Print speed A4
Up to 80 ipm
Print Speed A3
Up to 46 ipm
Print resolution
Max.: 1,200 x 1,200 dpi x 8-bit
Gradations
256 gradations

System specifications
Paper weight
64 – 300 gsm, up to 350 gsm (from all PFU trays)
Duplex unit
Non – stack type, 64 – 300 gsm
Paper sizes
A5 – SRA3 (330 x 487 mm)
Maximum image area
321 x 480 mm
Paper input capacity
Maximum: 10,760 sheets
Main unit: up to 1,500 sheets
PF-704: up to 4,630 sheets
PF-705: up to 4,630 sheets
Paper output capacity
Maximum: 13,600 sheets
Stacking unit with trolley: 5,000 sheets
Large capacity tray: 3,000 sheets
Per sub tray: 200 sheets
Main unit dimensions (W x D x H mm)
900 x 950 x 1,319 (only main unit)
Main unit weight
450 kg (only main unit)

Controller specifications
IC-306 external EFI Fiery controller
CPU
Intel® Core2 Duo @ 3.0 GHz
RAM
2 GB high-speed memory
HDD
160 GB SATA hard drive
Interface
Ethernet (10/100/1000-Base-T)
File Formats
Adobe® PostScript® Level 1, 2, 3
Adobe® PDF 1.4, 1.5, 1.6, 1.7
PDFX; EPS; TIFF; TIFF/IT; JPEG; PPML;
Fiery® FreeForm™/Fiery® FreeForm™ 2.1
Client Environments
Windows® 7/2000/XP/Vista™
Macintosh® OSX or higher

IC-307 external Creo controller
CPU
Intel® Core2 Quad @ 2.66 GHz
RAM
2 GB high-speed memory

HDD
250 GB SATA system and user disc
2x 250 GB SATA image disk space
Interface
Ethernet (10/100/1,000-Base-T)
File Formats
Adobe PostScript 3; Native PDF; EPS;
TIFF; TIFF/IT; JPEG; CT/LW
Creo Variable Print Specification (VPS)
PPML
Client Environments
Windows® 7/2000/XP/NT 4.0/Server 2003
Macintosh OS 9.x and 10.x

IC-601 internal Konica Minolta controller
CPU
Intel® Core2 Duo @ 2.8 GHz
RAM
4 GB high-speed memory
HDD
2x 250 GB SATA disc space
Interface
Ethernet (10/100/1,000-Base-T)
File Formats
Adobe PostScript 3; PCL 5c/6; Native PDF;
EPS; TIFF, TIFF/IT; JPEG; PPML
Client Environments
Windows® 7/2000/XP/NT 4.0/Server 2003
Macintosh OS 9.x and 10.x

Scanner specifications**
Scan speed A4
Up to 40 opm
Scan speed A3
Up to 22 opm
Scan resolution
600 x 600 dpi
Scan modes
TWAIN scan; Scan-to-HDD; Scan-to-FTP;
Scan-to-SMB; Scan-to-E-mail;
Scan formats TIFF (single and multi page), PDF

Copier specifications*
Copy speed A4
Up to 80 cpm
Copy speed A3
Up to 46 cpm
Copy resolution
Max. 600 x 600 dpi
Gradations
256 gradations
FCOT
Less than 6.5 sec. (colour A4)
Magnification
25 – 400% in 0,1% steps
Multiple copies
1 – 9,999

Accessories
Paper feed unit PF-704
3 trays; Air suction feeding
Paper capacity: up to 4,630 sheets
Paper weight: 64 – 350 gsm
Standard paper sizes: A5 – SRA3
Min. paper size: 100 x 148 mm
Max. paper size: 330 x 487 mm
Paper feed unit PF-705
Includes scanner and ADF for up to 100 sheets
3 trays; Air suction feeding
Paper capacity: up to 4,630 sheets
Paper weight: 64 – 350 gsm
Standard paper sizes: A5 – SRA3
Min. paper size: 100 x 148 mm
Max. paper size: 330 x 487 mm
Folding and punching unit FD-503
Pre-printed sheet inserting 2 x 500 sheets (PI):
Punching (2 or 4 hole)
Folding (half-fold, z-fold, gate-fold, letter fold in,
letter fold out, double-parallel-fold)
Sub tray for up to 200 sheets
Multi (GBC) punching unit GP-501
Multi punching of A4 sheets
User replaceable die sets for: velo bind, plastic
comb, wire bind, colour coil, pro click
Paper weight: 75 – 216 gsm
Booklet making unit SD-506
Booklet making of up to 50 sheets (200 images)
Saddle stitching, trimming
Output tray for up to 50 booklets
Multi letter fold in (up to 5 sheets) Multi half fold
(up to 5 sheets)
Stacking unit LS-505
Up to 5,000 sheets stacking capacity
Two units can be installed in tandem
Up to 10,000 sheets stacking capacity
Trolley mounted stacker
Off-set stacking
Sub tray for up to 200 sheets
Paper transport clamp mechanism
Perfect binding unit PB-503
Hot melt glue binding system
Integrated 1-side trimming of cover sheets
Books from A5 up to A4+ (307 x 221 mm)
Books from 10 sheets up to 30 mm spine width
Cover paper tray for up to 1,000 sheets
Sub tray for up to 200 sheets
Book stacking capacity of up to 3,300 sheets
2 stacks
Stapling unit FS-521
Stapling of up to 100 sheets
2-point and corner stapling
Variable staple length (cutting mechanism)
Output for up to 3,000 sheets
Sub tray for up to 200 sheets
Off-set sorting and grouping

* Only available with PF-705 included in
the system

KONICA MINOLTA

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50 Belgravia Street
Belmont WA 6104
(08) 9479 6600

bizhub PRESS

ENERGY STAR

Ecology & Environment
KONICA MINOLTA copiers and multi-functional products
are designed with the environment in mind.

• Energy Star   • Eco-conscious Toners
• RoHS Compliance   • Production at ISO Certified
• WEEE Compliance   Factories

⚠ **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).