



KONICA MINOLTA

The essentials of imaging



**EXPECT
IMPACT**

bizhub PRESS C8000

The future of graphic arts has begun

Production system bizhub PRESS C8000



The innovation that changes the game

Commercial printers need to innovate continuously to ensure a reliable fundament for business growth and differentiation from the competition. They rightfully expect to make the most of versatile digital presses that produce offset-like quality and enhance flexible variable data printing. The bizhub PRESS C8000 is Konica Minolta's answer to these expectations.

- The flagship among the Konica Minolta digital presses masters the essential requirements of commercial printing environments to perfection and amazes with its combination of previously unmatched speed and unrivalled quality. The bizhub PRESS C8000 is a professional yet highly affordable digital colour press that features an attractive compact construction. Helping to lower the cost of labour and other hidden costs, it guarantees a fast turnaround and better profit from higher margins.
- Managing short-run, print on demand, personalised and customised print jobs is easy with the bizhub PRESS C8000. As a true value-added differentiator, it allows meeting the most diverse

customer requirements. Its robust capabilities facilitate the entry into the production printing market for commercial printers, and likewise boost in-house colour production in corporate business. This helps companies increase the efficiency of their sales and get their message to market faster.

- Konica Minolta's digital colour on-demand press delivers quite simply the best quality in the market and meets the advanced requirements of mid-range commercial print production at the highest level.



Quite simply the best!

→ Unrivalled image quality

- The image technology adopted for the bizhub PRESS C8000 includes 1200 x 1200dpi x 8bit full colour resolution with smoothing for matchless clarity and precision. Konica Minolta's S.E.A.D II technology and a highly accurate laser beam position raise reliability and durability.
- Besides low temperature fixing, the new third-generation Simitri® HD+ polymerised toner features enhanced heavy paper productivity and adds to the dramatically improved image quality.

→ Outstanding productivity

- The high print speed of up to 80 A4 pages per minute ensures the timely completion of any production run. Short-run and higher volume print jobs can be produced on schedule; and even the tightest deadline is kept.
- The fast turnaround times of the bizhub PRESS C8000 create new business opportunities and bring attractive revenue from the production of customised communications and other short-run digital colour jobs within tight deadlines.
- Commercial printers gain important flexibility with ORUM (Operator Replaceable Unit Management) that keeps standstills to a minimum and avoids interruptions at peak production times, considerably raising the overall productivity of the entire business.
- With the bizhub PRESS C8000, also the hidden costs for preparation, warehousing, and distribution are considerably reduced, for more economic and profitable short-run printing. This makes Konica Minolta's digital colour press an ideal choice as a production-capable printer and the perfect entry tool for an easy start in digital production printing.

→ Leading media capabilities

- The bizhub PRESS C8000 impresses with a sophisticated media management presently unmatched by competitive machines in this class. Paper from 64 to 350 gsm can be processed, with duplex printing possible on up to 300 gsm paper.
- A unique humidification option can be equipped to elevate the moisture content in the paper and thus prevent curling. The impressive results are crisp, clean, and beautifully defined prints any time – no waste, no rejects, for complete customer satisfaction.

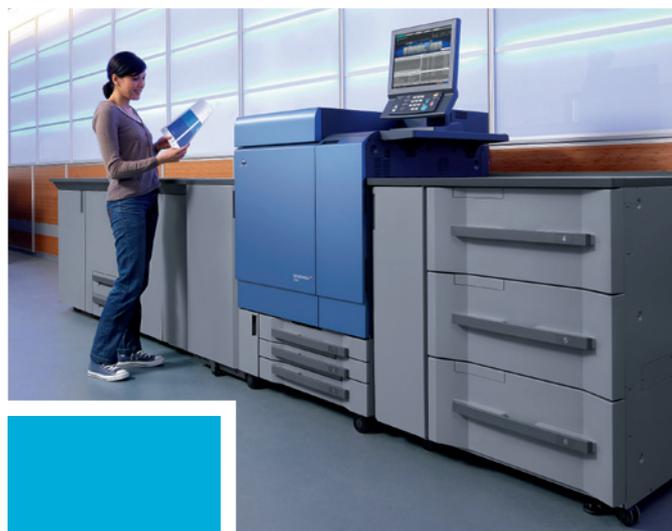




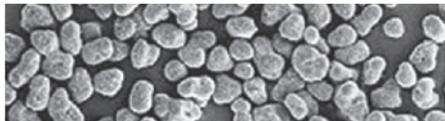
The future of graphic arts: Premier quality & absolute consistency

The bizhub PRESS C8000 has been equipped with unique digital imaging technologies that guarantee the outstanding and singularly consistent quality it produces. Numerous other state-of-the-art technologies developed by Konica Minolta further support this first-class output.

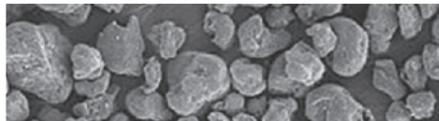
- The bizhub PRESS C8000's advanced colour management tools ensure consistent, high definition colour images for a vibrant print quality that complements offset. This image quality is absolutely consistent, from job to job, operator to operator, machine to machine, and delivers professional results that are sure to satisfy even the most discerning customer.
- Commercial printers have the benefit of a true differentiator with which they can really exceed their customers' expectations and increase their business opportunities. The bizhub PRESS C8000 makes it easy to differentiate one's business with enhanced quality, greater creativity and speed of delivery.



Simitri® HD+ polymerised toner



Conventional toner



→ S.E.A.D. II

The bizhub PRESS C8000 features Konica Minolta's very own, advanced colour processing technology of the second generation. S.E.A.D. stands for „Screen-Enhancing Active Digital Process“ and combines an array of 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 impressive print resolution on the bizhub PRESS C8000 reproduces finest characters and thinnest lines to perfection. In combination with proprietary Simitri® HD toner, this produces an almost offset-like printing quality.

■ FM screen technology

Also thanks to the 1,200 dpi resolution, the bizhub PRESS C8000 provides additional screens for higher quality prints, enabling smoother and more realistic image reproductions that are a perfect match to print data. A first on the bizhub PRESS C8000, the frequency Modulated (FM) screen technology ensures smooth moiré- and jagged-free images.

■ ITbit technology

Newly developed, outline processing improves the appearance of characters by thinning them so they do not appear fat. Contour processing helps to reproduce white characters on backgrounds with ideal proportions and reduces jagged edges of half-tone characters.

■ Image stability

A newly developed short interval stability control monitors image consistency on the bizhub PRESS C8000 during continuous printing without affecting performance. Corrections are fully automatic and improve the stability of the image quality, while the whole process considerably enhances production efficiency.

Automated colour management tools promise increased productivity: The bizhub PRESS C8000 streamlines workflows with calibration that is completely hands-free, and frees operators to focus fully on producing more outstanding quality jobs in less time.

■ Density control

A newly developed gradation correction function meets the varied characteristics of different media by correcting the gradations according to the paper used. Key operators benefit from enhanced efficiency, as they no longer need to go through the time-consuming process of producing test patterns.

→ 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 of thick paper. Simitri® HD+ ensures the precise reproduction of dots and narrow lines and with that achieves a natural lustre nearly on par with offset printing. Thanks to low-temperature fusing, the range of supported media has been considerably extended by higher paper weights and paper curling could virtually be eliminated.

Simitri HD 
PLUS EXTRA QUALITY

→ Skew detection

Thanks to a skew detection system that controls the skew amount after the leading edge of the paper has been fed, the bizhub PRESS C8000 produces prints with highest accuracy. This is particularly important for double-sided printing, including e.g. booklets with almost no image shift to photos on spread layouts.



The future of graphic arts: **Singular productivity & media flexibility**

Commercial printers and other businesses reliably meet their goals with the consistent speed and productivity of the bizhub PRESS C8000. Scalable finishing equipment and three colour server options provide customised system configurations that fit any business plan. And the bizhub PRESS C8000's matchless media processing capabilities facilitate the production of a wider variety of jobs on more print substrates – altogether a performance that sets a true benchmark.

- Equipped with a robust print engine that delivers up to 80 ppm, Konica Minolta's digital colour press excels with shortest turnaround times whatever job is processed, and handles monthly volumes of around 500.000 prints with ease.
- Extensive automation of operator tasks considerably increases uptime; and Konica Minolta's Customer Maintenance Support (CMS) concept and CS Remote Care diagnostics keep the equipment running smoothly, ensuring production runs without hitch that really make profit.
- With comprehensive media processing capabilities, the bizhub PRESS C8000 is good for the production of an extensive range of print products. Customisable paper profiles and image alignment save time, increase productivity, and ensure highest-quality output.
- The flexibility to produce a wide variety of print products on the broadest range of both coated and uncoated paper qualities enables professional printers to handle more high-revenue jobs.
- At the same time, the bizhub PRESS C8000 impresses with advanced inline finishing capabilities that include stacking, booklet making and even perfect binding. Offering complete flexibility, the modular system architecture allows easy upgrading of the functionality, just as the growing printing business needs.
- 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 printer to adopt Konica Minolta's air suction belt paper feed system for highly accurate feeding of a wider range print substrates.
- For an impressive paper input capacity of up to 10,760 sheets, two paper feed units with air suction belt feeding mechanism can be connected in a row.
- To satisfy the diverse requirements of the most varied professional printing environments, the bizhub PRESS C8000 can be equipped with three different controllers that all guarantee the fast:
 - The external EFI controller IC-306 is the perfect all-round player.
 - The external CREO Controller IC-307 is the perfect solution for VDP applications (Creo VPS) and an ideal 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

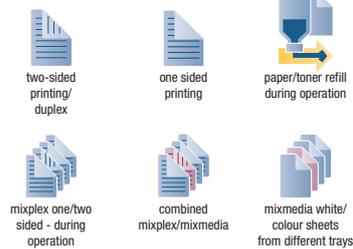
- Paper from 64 to 350 gsm is processed, with all PFU trays handling the maximum paperweight. Duplex printing is possible on up to 300 gsm paper.
- The C8000 offers automatic curl correction with two paper decurling mechanisms: A standard mechanical decurler reduces paper curl when the paper goes through its zig-zag mechanism. Where required the system performance can be enhanced with a unique optional humidification decurler that elevates the moisture content in the paper and thus eliminates curling.

Inimitable versatility from start to finish

Professional finishing of the printed product is an integral part of any production run – however, flexibility is the key! The bizhub PRESS C8000 can be equipped with a comprehensive range of highly versatile accessories.

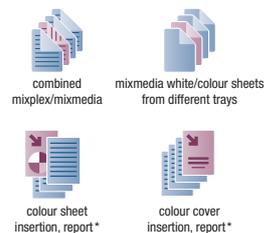
■ bizhub PRESS C8000 (main unit)

Professional finishing starts right inside the systems of the bizhub PRESS C8000 – a variety of advanced features ensures the production of sophisticated document formats. Mixplex for example allows combining single- and double-sided pages within one document while mixmedia lets the user specify individual paper types from various trays on page-level. In addition the paper catalogue with media tracking functionality ensures highest ease of use.



■ Paper feed units PF-704 and PF-705

The large-capacity paper feed units PF-704 and PF-705 extend the paper capacity by three paper trays with up to 4,630 sheets each and enable the processing of media between 64 and 350 gsm. All paper sizes can be fed from all trays. Both paper feed units incorporate vacuum feed technology; only PF-705 is equipped with an automatic document feeder that turns the bizhub PRESS C8000 into a high-performance scanner and copier.



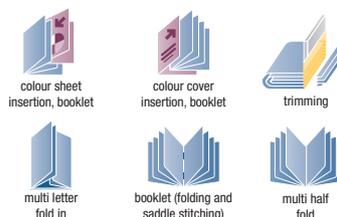
■ Relay unit RU-508

The relay unit RU-508 cools down the prints for immediate finishing and is equipped with a zigzag decurler for smooth and straight prints. By adding the optional humidification decurler the performance can be enhanced.



■ Booklet making unit SD-506

The SD-506 is ideal for saddle-stitched and trimmed booklets and speeds up the inline production of marketing, sales and training materials. It can produce brochures of up to 200 pages (50 sheets), including automatic image shift and trimming, and has an output capacity of up to 50 booklets. The multi letter fold-in and multi-half-fold functionality for up to 5 sheets accelerates the creation of mailings.



■ Productivity enhancement module EF-101

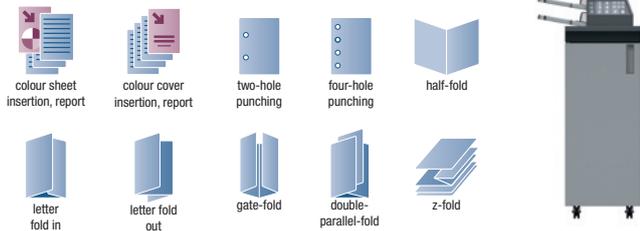
The EF-101 is always required for bizhub PRESS C8000 to enhance the print speed for thick paper. In addition EF-101 gives the prints an offset-like glossiness.





Folding & punching unit FD-503

The ideal choice for the production of mailings, flyers etc., the FD-503 is used to its 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.



Smart (GBC) punching unit GP-501

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



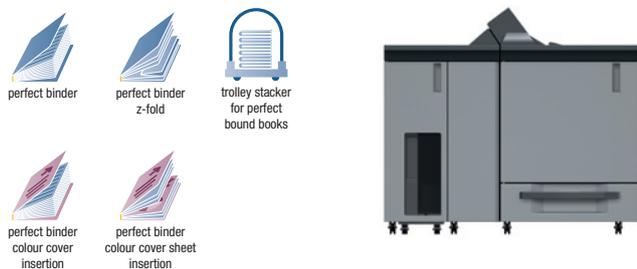
Large-capacity stacking unit LS-505

With the large-capacity stacking unit, the bizhub PRESS C8000 series is perfectly equipped for easy integration into environments with existing finishing facilities. The trolley-mounted stacker with up to 5,000 sheets capacity can also be filled with shifted output and transport is safe due to an integrated paper clamp mechanism.



Perfect binding unit PB-503

This is the finisher for inline production of all kinds of perfect-bound books. The functionality includes Z-fold insertion and insertion of pre-printed colour covers and sheets. Bookbinding is possible for books with up to 30 mm spine width and 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 and can also be mounted in conjunction with the stapling unit FS-521, offering the combination of perfect binding and stapling in one system.



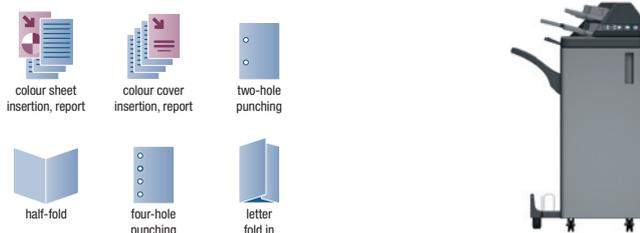
Stapling unit FS-521

Equipped with the FS-521, the bizhub PRESS C8000 provides multi-position stapling, making this the perfect choice for the production of manuals, reports and other extensive documentation. Stapling of up to 100 sheets is performed with 100% productivity, with staples cut to size. Auto-shift sorting and grouping is also available; and the output capacity is for up to 3,000 sheets.



All-in-one finisher FS-612

As compact alternative for environments where space is limited, the multi-functional finisher FS-612 offers booklet making for up to 20 sheets (80 pages), two folding functions, i.e. centre-fold and letter-fold, as well as optional punching and post insertion of printed sheets.



* requires FD-503

System configurations

The bizhub PRESS C8000 can be configured in nearly 40 different product versions. 8 recommended system configurations are outlined below, each named according to its finishing capabilities. The combination of letters indicates the finishing functionality, e.g. DLF for multi-position stapling, large-capacity stacking, folding & punching. Beyond the examples shown here a lot of other combinations are possible!

System DLF*

The system for corporate documents and environments with existing finishing equipment

- 80 ppm A4 pages per minute print performance
- Numerous punching, folding and stapling possibilities
- Post insertion of up to 1,000 sheets from 2 trays
- Trolley based stacking of up to 5,000 sheets
- Stapling of up to 100 sheets with variable staple length
- Large capacity output tray for up to 3,000 sheets
- Paper feed with vacuum technology



F L D

System LLF*

The system for corporate documents, direct mailings and environments with existing finishing equipment

- 80 ppm A4 pages per minute print performance
- 9 paper trays with a total capacity of up to 10,760 sheets
- Paper weights between 64 and 350 gsm
- Paper feed with vacuum technology
- Trolley based stacking of up to 10,000 sheets
- Stapling of up to 100 sheets with variable staple length



F L L

System LSB*

The system for booklets, perfect bound books and environments with existing finishing equipment

- 80 ppm A4 pages per minute print performance
- Duplex as standard
- 9 paper trays with a total capacity of up to 10,760 sheets
- Paper feed with vacuum technology
- Trolley based stacking of up to 5,000 sheets
- Saddle stitching and booklet making for up to 50 sheets/200 pages
- Perfect binding of books with up to 30 mm thickness



B S L

System I*

The system for booklets, stapled and folded documents

- 80 ppm A4 pages per minute print performance
- Toner and paper refill "on the fly"
- Paper feed with vacuum technology
- Post insertion of up to 400 sheets from 2 trays
- Paper weights between 64 and 350 gsm
- Stapling of up to 50 sheets



I



System GLF*

The system for corporate documents, marketing collateral and environments with existing binding equipment

- 80 ppm A4 pages per minute print performance
- GBC smart punching with various customer replaceable die sets
- Trolley based stacking of up to 5,000 sheets
- Stapling of up to 100 sheets with variable staple length
- Large capacity output tray for up to 3,000 sheets
- Paper feed with vacuum technology



F L G

System GSF*

The system for corporate documents, booklets and environments with existing binding equipment

- 80 ppm A4 pages per minute print performance
- 9 paper trays with a total capacity of up to 10,760 sheets
- Paper feed with vacuum technology
- GBC smart punching with various customer replaceable die sets
- Saddle stitching and booklet making for up to 50 sheets/200 pages
- Stapling of up to 100 sheets with variable staple length
- Large capacity output tray for up to 3,000 sheets



F S G

System DLL*

The system for loose-leaf punched documents, post-insertion and environments with existing finishing equipment

- 80 ppm A4 pages per minute print performance
- 9 paper trays with a total capacity of up to 10,760 sheets
- Numerous punching and folding possibilities
- Post insertion of up to 1,000 sheets from 2 trays
- Paper feed with vacuum technology
- Trolley based stacking of up to 10,000 sheets



L L D

System DSBF*

The universal system for all kinds of corporate documents, booklets and perfect bound books

- 80 ppm A4 pages per minute print performance
- 9 paper trays with a total capacity of up to 10,760 sheets
- Paper weights between 64 and 350 gsm
- Post insertion of up to 1,000 sheets from 2 trays
- Saddle stitching and booklet making for up to 50 sheets/200 pages
- Perfect binding of books with up to 30 mm thickness
- Stapling of up to 100 sheets with variable staple length
- Large capacity output tray for up to 3,000 sheets
- Paper feed with vacuum technology



F B S D

F	Multi-position stapling (FS-521)
S	Booklet making (SD-506)
D	Folding & punching (FD-503)
G	Smart (GBC) punching (GP-501)
L	Large-capacity stacking (LS-505)
B	Perfect binding with trolley stacking (PB-503)
I	All-in-one finisher (FS-612)

* All systems can be downgraded by leaving out singular accessories. For further details please contact your local sales representative.



KONICA MINOLTA

Simitri HD PLUS EXTRA QUALITY



Technical specifications

Printer specifications

Print speed A4

Up to 80 ppm

Print Speed A3

Up to 46 ppm

Print resolution

Max.: 1,200 x 1,200 dpi x 8bit

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–A3+ (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 magazines; Air suction feeding

Paper capacity: up to 4,630 sheets

Paper weight: 64–350 gsm

Standard paper sizes: B4–SRA3

Min. paper size: 100 x 148 mm

Max. paper size: 330 x 487 mm

Paper feed unit PF-705

Includes document feeder for up to 100 sheets

3 magazines; Air suction feeding

Paper capacity: up to 4,630 sheets

Paper weight: 64–350 gsm

Standard paper sizes: B4–SRA3

Min. paper size: 100 x 148 mm

Max. paper size: 330 x 487 mm

Folding and punching unit FD-503

Pre-printed sheet insertion (PI):

2 PI trays for 500 sheets each

Punching (2 and 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 as a tandem

Up to 10,000 sheets stacking capacity

Trolley mounted stacker

Auto-shift stacking

Sub tray for up to 200 sheets

Paper clamp mechanism

Perfect binding units 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

Auto-shift sorting and grouping

Booklet Finisher FS-612

Booklet making for up to 20 sheets (80 images)

2-point and corner stapling

Stapling up to 50 sheets

Centre fold and letter fold in

Auto-shift sorting and grouping

Output for up to 2,500 sheets

Sub tray for up to 100 sheets

Post inserter PI-502 (Option for FS-612)

Pre-printed sheet insertion

2 PI trays for 200 sheets each

Punch kit PK-512 (Option for FS-612)

Punching (2 and 4 holes selectable)

Punch kit PK-513 (Option for FS-612)

Punching (4 holes)

Productivity Enhancement Module EF-101

Enhanced Productivity

Offset like glossiness

Humidifier unit HM-101

Humidification decurler

* Available soon

** Only with PF-705

- 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 multi-page, 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.
- 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.
- Konica Minolta does not warrant that all specifications mentioned will be error-free.
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