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. In answer to these expectations Konica Minolta has launched the bizhub PRESS brand.

- As the flagship among the Konica Minolta digital presses, the bizhub PRESS C8000 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.

- With the bizhub PRESS product series, Konica Minolta meets the advanced requirements of mid-range commercial print production at the highest level, improves customer satisfaction by offering digital image quality on par with offset printing, and supports printing companies in holding their ground in this highly competitive market.
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 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.
**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. With 8 bit colour depth and Dot Positioning Control, the bizhub PRESS C8000 achieves a resolution that’s equivalent to 1,200 x 3,600 dpi. 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. At the same time, biomass is an important ingredient in Simitri HD+ toner and answers the essential requirements of the modern, CO₂-conscious society.

**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.
Equipped with a robust print engine that delivers up to 80 A4 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. Taking advantage of the fast A3 speed of 46 ppm and printing A4 in two-up production, the A4 speed can even be increased to 92 ppm.

Extensive automation of operator tasks considerably increases uptime; and Konica Minolta’s Customer Maintenance Support (CMS) concept, ORU-M concept (Operator Replaceable Unit Management) and CS Remote Care diagnostics keep the equipment running smoothly, ensuring production runs without hitch that really make profit.

With comprehensive media processing capabilities and the unique Product Enhancement Module (PEM), which supports the high speed for high paper weights, 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 and IC-3600 are 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.
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.

Multi (GBC) punching unit GP-501**
The multi 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
** requires RU-506
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

**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

**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

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

- 80 ppm A4 pages per minute print performance
- GBC multi 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

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

- 9 paper trays with a total capacity of up to 10,760 sheets
- Paper feed with vacuum technology
- GBC multi 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

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

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

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

F            L              G
F              S                    G
F               B                       S              D
L             L          D

| F | Multi-position stapling (FS-521) |
| S | Booklet making (SD-506)         |
| D | Folding & punching (FD-503)    |
| G | Multi (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)   |
## Technical specifications

### Printer specifications

<table>
<thead>
<tr>
<th>Printer model</th>
<th>Page dimensions (mm)</th>
<th>Copies to 8 ppm</th>
<th>Copies to 46 ppm</th>
<th>Resolution (DPI)</th>
<th>Paper sizes (A4)</th>
<th>Duplex unit</th>
<th>Additional options</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-611</td>
<td>312 x 490</td>
<td>64–300 ppm</td>
<td>Up to 46 ppm</td>
<td>1,200 x 1,200 dpi</td>
<td>2x 500 GB HDD</td>
<td>Non-Stack type</td>
<td>Ethernet (10/100/1000-Base-T)</td>
</tr>
</tbody>
</table>

### System specifications

- **Paper sizes**: 256–300 gsm
- **HDD**: 2x 500 GB HDD (IC-3600)
- **RAM**: 4 GB high-speed memory
- **CPU**: Xeon Quad Core @ 2.8 GHz (IC-3600)

### Controller specifications

- **Model**: 306/306 external EFI Fiery controller
- **CPU**: Intel Core i7 @ 2.8 GHz
- **Memory**: 2 GB system memory, 3 GB image memory
- **HDD**: 2x 500 GB HDD

### File formats

- **Scan**: TIFF (single and multi page), PDF
- **Copy**: Adobe PostScript 3, PCL 5c, 6, XPS
- **Print**: PDF 1.4, 1.5, 1.6, 1.7, Adobe PostScript 1, 2, 3

### Additional options

- **Copier**: Up to 80 ppm
- **Scanner**: Up to 40 ppm
- **Printer**: Up to 46 cpm

### Accessories

- **Punch**: 2, 4 hole
- **Binding**: Productivity enhancement module EF-101
- **Stapler**: 2-point and corner stapling

### Humidification

- **Humidifier**: Humidifier unit HM-101
- **DCN**: 2-point and corner stapling

### Other options

- **Humidification decurler**: Enhanced productivity, offset-like glossiness
- **Booklet finisher**: FS-612
- **Paper clamp mechanism**: FS-612
- **Perfect binding**: FS-612

### System configuration

- **Operating systems**: Macintosh, Windows

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* 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 in single-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.
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