bizhub PRESS C8000
Perfect clarity and outstanding colour quality

Production system bizhub PRESS C8000
The innovation that
changes the game

- The flagship amongst 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 improved 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 8 bit full colour resolution with smoothing for matchless clarity and precision. Konica Minolta’s S.E.A.D II technology and highly accurate laser beam position raises 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.

Leading media capabilities

- The bizhub PRESS C8000 makes an impression 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.
- A unique humidification option can be equipped to elevate the moisture content in the paper and therefore prevents curling. The impressive results are crisp, clean, and beautifully defined prints.

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 creates new business opportunities and brings 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, 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.
The bizhub PRESS C8000 has been equipped with a number of unique digital imaging technologies that offer outstanding and consistent quality. It also offers numerous other state-of-the-art technologies developed by Konica Minolta to further support this.

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 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, second generation advanced colour processing technology. 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**
  Always striving to achieve the very best results for any type of image or text, Konica Minolta now applies its proprietary Image Tag bit (IT bit) technology in the new range of presses. This unique process improves quality of text, helping to sharpen frayed edges in halftone printing. The benefits are obvious especially in outline, reversed or slim text.

- **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 promises increased productivity: The bizhub PRESS C8000 streamlines workflows with online calibration that is completely hands-free. This frees operators to focus on other work that may be more demanding.

- **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 the 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. Thanks to lower fusing temperature, the range of supported media has been considerably extended by higher paper weights and paper curling has been virtually eliminated.

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.
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 future of graphic arts:
Productivity and 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. 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.

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 the user to easily upgrade and improve 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 wide range of substrates.
- Two paper feed units with air suction belt feeding mechanism can be connected together giving an impressive input capacity of up to 10,760 sheets.
- To satisfy the diverse requirements of the most varied professional printing environments, the bizhub PRESS C8000 can be equipped with three different controllers all offering fast processing of colour jobs:
  - 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, from 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 therefore eliminates curling.
Professional finishing 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 whilst mixmedia allows the user specify individual paper types from various trays on page level. In addition the paper catalogue with media tracking functionality ensures 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 enables the processing of media between 64 and 350 gsm. All paper sizes can be fed from all trays. Both the paper feed units incorporate vacuum feed technology; only PF-705 is equipped with online scanning.

**Relay unit RU-508**
The relay unit RU-508 cools down the prints for immediate finishing on or offline and is equipped with a zigzag decurler for smooth and straight prints. By adding the optional humidification decurler the performance can be further 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 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. This will enhance the print speed whilst running thicker stock, and in addition the EF101 helps to give the look and feel of offset print.
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 punching of sheets at full system speed in preparation for offline spiral binding. Various die sets are available that correspond with the most popular punch requirements such as coil or 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 will hold up to 5,000 sheets. A clamp on the paper trolley ensures safe delivery of the paper once it is removed from the stacker unit.

Perfect binding unit PB-503
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. Auto-shift sorting and grouping is also available maximum output capacity is up to 3,000 sheets.

All-in-one finisher FS-612
An alternative finisher where space is limited, is the compact FS-612 which 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.
The bizhub PRESS C8000 can be configured in nearly 40 different product versions. 8 recommended system configurations are outlined below.

**Example System configurations based on finishing output**

**System**
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**
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**
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**
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
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

System
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

System
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
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.
### Technical specifications

#### Printer specifications
- **Print speed A4**
  - Up to 90 ppm
- **Print Speed A3**
  - Up to 46 ppm
- **Print resolution**
  - Max.: 1,200 x 1,200 dpi x 8bit
- **Gratulations**
  - 256 gratulations

#### System specifications
- **Paper weight**
  - 64–300 gsm, up to 350 gsm (from any PFU trays)
- **Duplex unit**
  - Non-stack type, 64–300 gsm
- **Paper sizes**
  - A3–SRA3 (320 x 450mm)
  - Max. paper size: 330 x 487mm
- **Maximum image area**
  - 321 x 480 mm
- **Paper input capacity**
  - Maximum: 10,760 sheets
  - Main unit: up to 1,000 sheets
  - PF-704: up to 4,630 sheets
  - PF-705: up to 4,630 sheets
- **Paper output capacity**
  - Maximum: 19,600 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)**
  - 901 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 (10/100/1,000-Base-T)
  - **File Formats**
    - Acrobat® PostScript® Level 1, 2, 3
    - Adobe® PDF 1.4, 1.5, 1.6, 1.7
    - PDF/X, EPS, TIFF, TIFF/IT, JPEG, PPML
    - FreeForm FreeForm®™ 2.1
  - **Client Environments**
    - Windows® 7/2000/NT/NT 4.0 or higher
    - Macintosh® OS 9.x or 10.x

#### Copier specifications**
- **Copy speed A4**
  - Up to 80 ppm
- **Copy speed A3**
  - Up to 46 ppm
- **Copy resolution**
  - Max.: 600 x 600 dpi
- **Gradations**
  - 256 gradations
  - Level 1, 2, 3
- **Speed**
  - 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**
  - Multiple copies
  - 25–400% in 0.1% steps
  - Max. paper size: 330 x 487 mm
  - Min. paper size: 100 x 148 mm
  - Standard paper sizes: B4–SRA3
  - Paper weight: 64–350 gsm

#### Scanning specifications**
- **Scan speed A4**
  - Up to 40 ppm
- **Scan speed A3**
  - Up to 22 ppm
- **Scan resolution**
  - 600 x 600 dpi
- **Scan modes**
  - TWAIN scan, Scan-to-HDD, Scan-to-FTP, Scan-to-SMB, Scan-to-Email
  - Scan formats: TIFF, PDF

#### System specifications
- **FIERY® Variable Print Specification (VPS)**
- **Creo® PostScript 3, PCL 5c/6, Native PDF, EPS, TIFF, TIFF/IT, JPEG, PPML
- **File Formats**
  - Adobe PostScript 3, PCL 5c/6, Native PDF, EPS, TIFF, TIFF/IT, JPEG, PPML
  - Fiery FreeForm®™ 2.1
  - Scanner FreeForm

#### Brother specifications
- **Max. paper size: 330 x 487 mm
- Min. paper size: 100 x 148 mm
- Standard paper sizes: B4–SRA3
- Paper weight: 64–350 gsm
- Paper capacity: up to 4,630 sheets
- 3 magazines; Air suction feeding

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### Konica Minolta Business Solutions Partner