



KONICA MINOLTA

The essentials of imaging



bizhub PRO 950

The durable performer



Production system bizhub PRO 950

bizhub PRO 950, production system



Quality, flexibility, reliability – the workhorse for black & white

Efficient black and white document production depends on the smooth and reliable operation of all equipment. Locations that process high b/w throughput, such as in-house print rooms like CRDs, busy departments as well as digital print service providers, fear nothing more than bottlenecks and waiting times at their output devices. Other factors essential for their professional performance are superior quality and above-average versatility.

Konica Minolta now presents an affordable but powerful production system for central in-house printing facilities and external print-for-pay services: In the bizhub PRO 950, a sturdy and reliable construction, high performance and numerous inline finishing possibilities team up with advanced technologies for enhanced black and white print quality. With this powerful combination, the bizhub PRO 950 has all the answers for the varied requirements of its targeted user group.

■ With its robust design and a production speed of 95 A4 pages per minute, the bizhub PRO 950 handles monthly duty cycles of up to 750,000 prints with ease and provides absolute reliability even for the production of peak volumes.

■ Equally productive is the high scanning performance of 95 opm at up to 600 dpi, which can be further enhanced with a variety of scanning functions.

bizhub PRO 950



- A combination of two bizhub PRO 950 can also work as a tandem, producing one print job at the incredible speed of 190 A4 pages per minute. Alternatively and just as required, these systems can of course process different jobs simultaneously – full flexibility is guaranteed.
- The outstanding RIP and print performance of the bizhub PRO 950 permit continuous production and constant high throughput, effectively avoiding bottlenecks and minimising job completion times. Production processes can be streamlined and the overall performance enhanced, enabling the increase of throughput, turnover and ultimately profit.
- The print quality on the bizhub PRO 950 is truly superb. The combination of enhanced screening technologies and Konica Minolta's proprietary Simitri® toner achieves an absolutely consistent print quality on a level up to now unattainable. This quality performance culminates in the supreme print resolution of up to 2,400 x 600 dpi.



- The bizhub PRO 950 impresses not only with its high media flexibility and the ability to process media between 40 and 300 gsm. A true paper processing highlight is the combination of intelligent paper catalogue and mixplex/mixmedia functionality.

- Thanks to its attractive modularity and the availability of a generous range of versatile system configurations with comprehensive inline finishing capabilities, the bizhub PRO 950 easily adapts to the specific requirements of any production location.

Combining high RIP speed with superb print quality and guaranteeing reliability and consistency for heavy-duty performance, the bizhub PRO 950 is the affordable choice for companies with central printing facilities that are looking for highest quality in black and white document production.



Incomparable quality from **pioneering technologies**

The bizhub PRO 950 delivers a truly superb image quality on a level previously unattainable for a black and white production system. This is largely due to Konica Minolta's groundbreaking screening technologies that have been implemented for the first time in the bizhub PRO 950. The advanced properties of Konica Minolta's Simitri® polymerised toner further contribute to this singular quality. Beyond that, comprehensive quality adjustment possibilities including the unique Tone Curve Utility make catering for customers' specific quality requests fast and simple.

- The bizhub PRO 950's advanced smoothing technology achieves an outstanding print resolution of up to 2,400 x 600 dpi and gives an impressive boost to the print quality. Its unique enhanced smoothing adds extra differentiation to grey scales, ensuring the depiction of considerably more variation.
- In addition, the innovative „Supercell” technology permits the reproduction of full 256 grey scales with each screening type and frequency, tremendously improving the faithful reproduction of text, photos, images, illustrations and other graphic elements in prints.





- Of fundamental benefit for the user are the extensive adjustment choices available in the bizhub PRO 950. For the screening type alone the operator can choose among optimised photo & text (default), photo and text modes. In addition, the dot screen mode enables the user to always apply the best suited screening type and frequency (lpi) to the individual print job.
- A newly adopted CIE functionality improves the reproduction of colour-based documents whenever required. RGB colour data are transposed to the CIE colour space, providing grey gradations with much more differentiation than when printing colour data without transformation.
- No less important, Konica Minolta's proprietary Simitri® toner is another element to guarantee an excellent image quality. Simitri® ensures superior halftone definition and solid fills. Its minuscule toner particles provide clarity and definition to every tiny detail in the printed image.

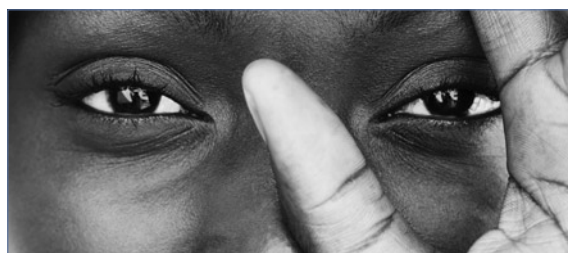


➔ **Conventional screening with conventional toner**

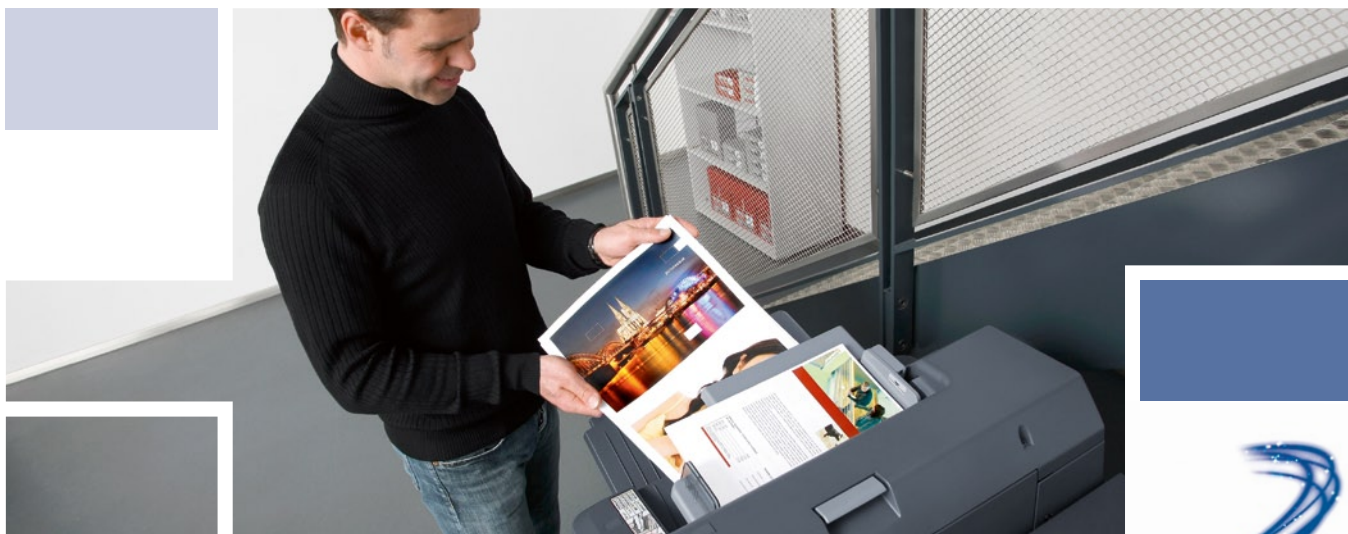


The fascination of
black & white

➔ **Enhanced screening with Simitri® toner**



The fascination of
black & white



Optimised operation with **intelligent processing**

Any production interruption is a hitch to smooth and productive operation – and therefore something that CRDs and digital print service providers strive to avoid at all costs. The many virtues of the bizhub PRO 950 minimise standstills and maximise overall productivity, offering utmost versatility for the production of individual, highly attractive print formats. Its impressive media flexibility in particular results from the combination of intelligent paper catalogue and mixplex/mixmedia functionality – both true paper processing highlights.

■ With a paper input capacity of max. 6,650 sheets and the ability to print on media between 40 and 300 gsm, the paper processing flexibility on the bizhub PRO 950 is superb. Any two trays can be programmed for the same media type and are instantly combined to one virtual tray. A special post insertion option enables convenient post insertion of pre-printed materials, such as coloured covers.

■ The mixplex and mixmedia functionality makes the combination of single- and double-sided prints and various paper types in one document a breeze. Mixplex enables the programming of single- or double-sided printing on page-level, while mixmedia gives the operator the same per-page setting control for all media stocked in the bizhub PRO 950. Compiling professional and sophisticated documents from various paper types, with each new chapter reliably starting on the recto, is now all fully automatic.

■ Another important capability for maximised operation is the paper catalogue in the bizhub PRO 950. After programming the paper catalogue once, the operator no longer needs to know where the paper type required for the specific job is stored. In preparation for production the operator simply selects the desired media type from the paper catalogue. The functionality includes the possibility to give paper types individual names such as „corporate blue“, which speeds up recognition and increases user convenience further.



Singular performance and customised quality

The bizhub PRO 950 features an outstanding RIP and print performance that facilitates continuous production and supports constant high throughput. Job completion times are minimised and bottlenecks effectively avoided. At the same time, Konica Minolta's innovative Tone Curve Utility introduces previously unavailable customisation possibilities and gives users amazing flexibility. Specific customer settings for optimised print results can thus be saved as individual profiles and are instantly recalled for recurring jobs.

■ The bizhub PRO 950 comes with a powerful Pentium 2 GHZ embedded controller with Linux operating system, 2 GB memory and 160 GB hard disc. Thanks to its tremendously improved RIP speed, the bizhub PRO 950 sails through the most comprehensive of jobs, while JDF/JMF compliance ensures easy integration into any working environment. This is optimised job processing at its best, enabling the production of high volumes in a minimum of time.

■ The Tone Curve Utility incorporates a tool to change RIP adjustments such as screening and tone curves. The dot screen mode allows extensive customisation of the screening angle and dot shape. In addition, the operator can access a selection of predefined tone curves or edit customised tone curves with simple drag and drop action. Any customised profile can be set as controller default or can be stored separately on the RIP for later use, to be recalled in an instant in the printer driver. With this comprehensive functionality the operator gains complete control for flexible optimisation of the print quality.



Impressive versatility from start to finish

Any production run requires professional handling of the printed product from the printing itself to sophisticated finishing – and as always, flexibility is the key! The bizhub PRO 950 can be equipped with a comprehensive range of entry level to highly versatile finishing options. With that Konica Minolta's b/w production system accommodates all customer requirements, including numerous inline punching and stapling options, a selection of folding functions and booklet creation.

■ bizhub PRO 950 (main unit)

Professional finishing starts right inside the bizhub PRO 950 – a variety of advanced features ensures the production of sophisticated document formats. For example mixplex allows combining single- and double-sided pages within one document. Mixmedia lets the user specify individual paper types from various trays on page-level. The combination of the mixmedia and mixplex functionality fully automates the production of complex one- and two-sided documents on different media. In addition the paper catalogue functionality ensures highest ease of use.



two-sided printing/ duplex



one sided printing



mixmedia white/ colour sheets from different trays



mixplex one/two sided - during operation



combined mixplex/mixmedia



■ Large Capacity Unit A4 (LU-407)

Equipped with the large capacity cassette LU-407 the bizhub PRO 950 accommodates up to 6,650 sheets of paper and can process various types of media with paper weights between 40 and 300 gsm.



two-sided printing/ duplex



one sided printing



mixmedia white/ colour sheets from different trays



mixplex one/two sided - during operation



combined mixplex/mixmedia



■ Large Capacity Unit A3 (LU-408)

Equipped with the large capacity cassette LU-408, the bizhub PRO 950 has a paper capacity of up to 6,150 sheets and is capable of printing on various types of media up to A3+ format (314 x 460 mm) and between 40 and 300 gsm of paper weights.



two-sided printing/ duplex



one sided printing



mixmedia white/ colour sheets from different trays



mixplex one/two sided - during operation



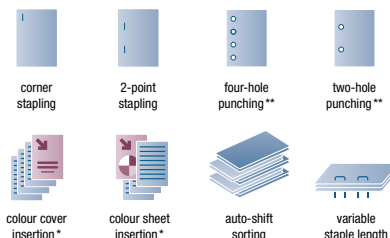
combined mixplex/mixmedia





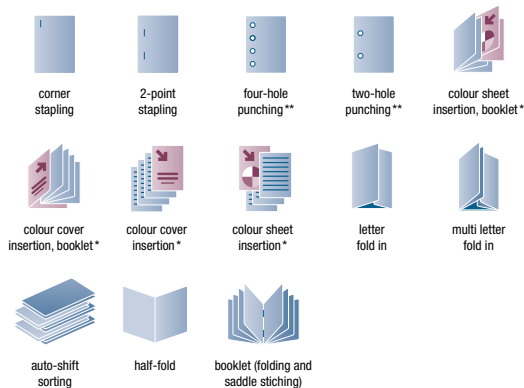
■ Staple finisher (FS-528)

The bizhub PRO 950 with staple finisher is the ideal choice for the production of marketing collateral and corporate documents and can be further enhanced with post insertion* and punch** options.



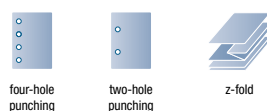
■ Booklet finisher (FS-611)

The bizhub PRO 950 with booklet finisher provides fully automated production of booklets and brochures, including a convenient and productive in-line half-fold, letter fold and saddle-stitching functionality. This system can be further enhanced with various post insertion*, punch** and trimming*** options.



■ Z-fold and Punch Unit (ZU-607)

The bizhub PRO 950 configuration with the z-fold and punch unit can z-fold A3 and A4R sheets, reducing them to either A4 or A5 format. With corresponding options, z-folded sheets can also be punched and/or inserted into leaflets.



■ Trimming Unit (TU-502)

Adding the trimming unit to the booklet finisher FS-611 offers professional front edge trimming for all types of booklets. Saddle stitched booklets with up to 20 sheets including a thick cover can be trimmed giving each book a professional look! In addition, TU-502 offers high capacity booklet stacking of up to 100 sets.



* requires post inserter (PI-506), ** requires punch kit (PK-505), *** requires trimming unit (TU-502)

System configurations

System 1

The system for corporate documents

- 95 A4 pages per minute print performance
- Scanning with up to 95 opm
- Duplex as standard
- Mixplex and mixmedia functionality
- Highest image quality
- 12" colour touch screen monitor
- 100 sheet stapling with staple cutting
- Output capacity of up to 3,200 sheets



System 2

The system for marketing collateral and direct mailings

- 95 A4 pages per minute print performance
- Duplex as standard and PostScript recommended
- Mixplex and mixmedia functionality
- Punching of prints and post inserts
- 6,650 sheets paper input capacity
- 40 to 300 gsm (from large capacity tray)
- 100 sheet stapling with staple cutting
- Post insertion of pre-printed material



System 3

The system for brochures

- 95 A4 pages per minute print performance
- Duplex as standard
- Mixplex and mixmedia functionality
- Highest image quality
- 12" colour touch screen monitor
- Brochures of up to 20 sheets
- Multi half fold and letter fold of up to 3 sheets





System 4

The system for direct mailings and brochures

- 95 A4 pages per minute print performance
- Duplex as standard and PostScript recommended
- Mixplex and mixmedia functionality
- Highest image quality
- Up to 6,150 sheets paper capacity
- Brochures of up to 20 sheets
- Multi half fold and letter fold of up to 3 sheets
- A3+ (314 x 460 mm) with up to 300 gsm paper weight



System 5

The system for brochures and leaflets with z-folded inserts

- 95 A4 pages per minute print performance
- Duplex as standard and PostScript recommended
- Punching of prints and post inserts
- Mixplex and mixmedia functionality
- Up to 6,650 sheets paper capacity
- Brochures of up to 20 sheets
- Z-fold inserts for A4 and A5 size documents



System 6

The system for brochures, leaflets and booklets

- 95 A4 pages per minute print performance
- Duplex as standard and PostScript recommended
- Mixplex and mixmedia functionality
- Highest image quality
- Up to 6,150 sheets paper capacity
- A3+ (314 x 460 mm) with up to 300 gsm paper weight
- Brochures of up to 20 sheets incl. trimming
- Output capacity for up to 100 trimmed booklets





KONICA MINOLTA

Simitri



Adobe® PostScript® 3™



Technical specifications

Copier specifications

Copier speed A4

Up to 95 cpm
Up to 5,700 cph

Copier speed A3

Up to 55 cpm
Up to 3,300 cph

Copier resolution

Max.: 600 x 600 dpi

1st copy

Less than 3.1 sec. (A4 crosswise)

Gradations

256 gradations

Magnification

25–400 % in 0.1 % steps

Multiple copies

1–9,999

Memory

2 GB

Copier hard disc

160 GB

Printer specifications

Print speed A4

Up to 95 ppm
Up to 5,700 pph

Print speed A3

Up to 55 ppm
Up to 3,300 pph

Print resolution

Max.: 2,400 x 600 dpi

Page description language

PCL 5e/XL (PCL 6), Adobe PS 3 (optional),
TIFF, PDF

Interface

Ethernet (10/100/1,000-Base-T)
IPv6
USB 2.0

Print memory

2 GB

Printer hard disc

160 GB

Printer drivers

Windows Vista (32/64), 2000/XP/Server 2003
Mac OS 10.2, 10.4, 10.5

Scanner specifications

Scan speed

Up to 95 opm

Scan resolution

Max.: 600 x 600 dpi

Scan modes

TWAIN scan
Scan-to-HDD
Scan-to-FTP
Scan-to-SMB
Scan-to-E-mail
LDAP support

System specifications

Automatic document feeder

Max.: 100 sheets

Paper sizes

A6–A3+ (max. 314 x 460 mm)

Paper weight

40–300 gsm with LCT

Paper input capacity

Standard: 2,150 sheets
Max.: 6,650 sheets with LCT

Paper output capacity

Max.: 3,200 sheets

Finishing modes (optional)

Stapling
Auto-shift sorting and grouping
Punching (2 and 4 holes)
Folding (z-fold, letter fold in, letter fold out)
Post insertion
Booklet making
Trimming

Warm-up time

Less than 330 sec.

Main unit dimensions (W x D x H mm)

980 x 860 x 1,420 (incl. operation panel)

Main unit weight

Approx. 285 kg

- 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 multipage, 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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