



KONICA MINOLTA

Giving Shape to Ideas



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 high monthly print volume of 60,000 to 200,000 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. The multi (GBC) punch finisher with various user replaceable die sets is the ideal finishing option for environments with existing binding equipment.

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 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 and 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.

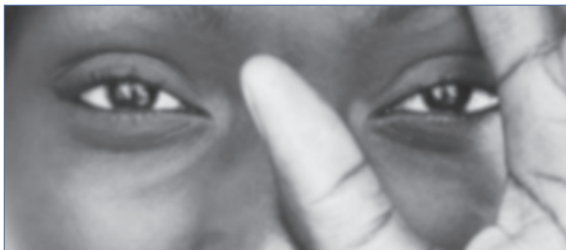
→ Highlights of Simitri® toner

- Highly uniform shape and extremely small particles
- Enhanced durability: resistant to peeling and can be folded without degrading print quality
- Less toner coverage required for perfect results
- Oil-free fusing process
- Extended media range and reduced energy consumption thanks to lower fusing temperature
- Biomass has always been of major importance for the production of Simitri® polymerised toner and today answers the essential requirements of the modern, CO₂-conscious society.
- Eco-friendly manufacturing process with substantially reduced emissions



Simitri
with Biomass

→ 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.

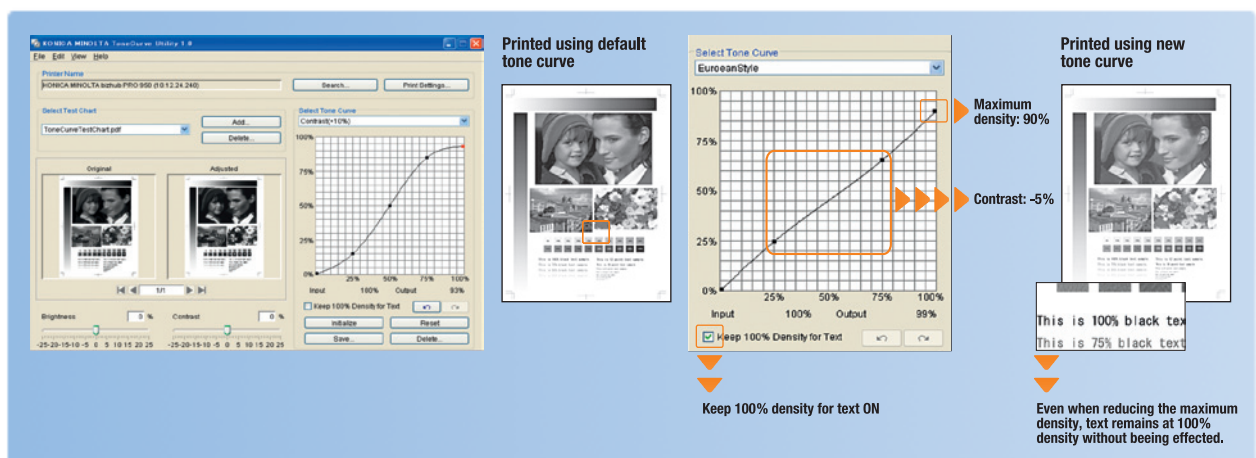
Singular performance and customised quality

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 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.

→ Tone Curve Utility



* requires optional PostScript

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 cassette 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.



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one sided
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mixplex one/two
sided - during
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combined
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■ Large capacity cassette 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



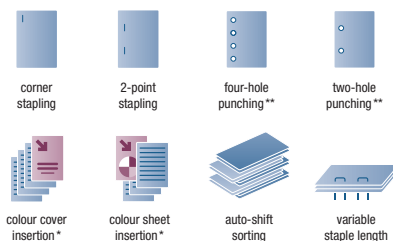
combined
mixplex/mixmedia





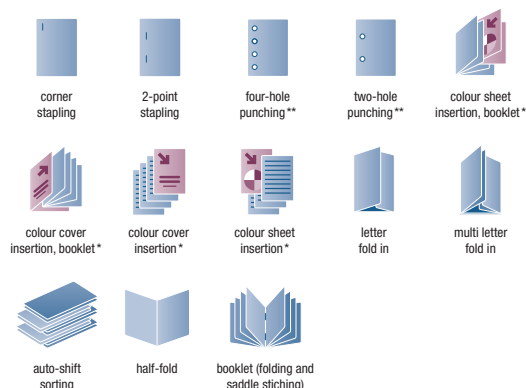
■ Staple finisher (FS-528)

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.



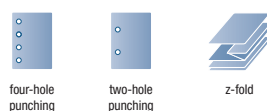
■ Booklet finisher (FS-611)

The bizhub PRO 950 with booklet finisher provides fully automated production of booklets and brochures, including a convenient and productive inline 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 finisher (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.



■ Multi (GBC) punch finisher (GP-501)

The new multi punch finisher 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.



■ Trim finisher (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 trim finisher (TU-502)

System configurations

The bizhub PRO 950 can be individually configured to customers' finishing requirements. The seven sample configurations proposed are just some examples of the multiple product versions that can be created. (Within the product specifications) these configurations can be flexibly changed to reflect specific customer demands. Further details are available from the Konica Minolta sales consultant.

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



System 7

The system for corporate documents and environments with existing binding equipment

- 95 A4 pages per minute print performance
- Highest image quality
- Duplex as standard and PostScript recommended
- Mixplex and mixmedia functionality
- Up to 6,650 sheets paper capacity
- Large tray for up to 2,500 sheets output capacity
- Multi (GBC) punch finisher for various customer replaceable die sets





KONICA MINOLTA



Adobe® PostScript® 3™



Technical specifications

Printer specifications

Print Speed A4

Up to 95 ppm
Up to 5,700 pph

Print Speed A3

Up to 55 ppm
Up to 3,500 pph

Print resolution

Max. 2400 x 600 dpi

Gradations

Up to 256 levels

System specifications

Paper weight

40–300 gsm (with LCT)
60–216 gsm duplex

Duplex unit

Non-stacking type

Paper size

A6 to A3+
Min. 100 x 148 mm
Max. 314 x 460 mm

Maximum image area

303 x 456 mm

Paper input capacities

Main unit: 2,150 sheets
Max: 6,650 sheets

Maximum paper output capacity

Max.: 3,200 sheets

Warm-up time

Less than 330 sec.

Main unit dimensions (W x D x H mm)

980 x 860 x 1,420 mm

Main unit weight

Approx. 285 kg

Controller specifications

Type

Embedded controller

CPU

Pentium M 2.0 Ghz

RAM

2 GB

HDD

160 GB

Interface

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

Page description languages

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

Printer drivers

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

Scanner specifications

Scan speed A4

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

Scan formats

PDF, TIFF, secured PDF, XPS

Copier specifications

Copier Speed A4

Up to 95 cpm
Up to 5,700 cph

Copier Speed A3

Up to 55 cpm
Up to 3,500 cph

Copier resolution

Max. 600 x 600 dpi

1st copy

Less than 3.1 sec. (A4 SEF)

Gradations

256 levels

Accessories

Automatic document feeder

Max.: 100 sheets
Up to 95 opm

Large capacity cassette A4 LU-407

Paper capacity: Up to 4,500 sheets
Paper weight: 40–300 gsm
Stand. paper size: A4, B5
Min. paper size: 250 x 176 mm
Max. paper size: 314 x 229 mm

Large capacity cassette A3 LU-408

Paper capacity: Up to 4,000 sheets
Paper weight: 40–300 gsm
Stand. paper size: A4, B4, A3, A3+
Min. paper size: 203 x 195 mm
Max. paper size: 314 x 460 mm

Z-fold and punch finisher ZU-607

Punching: 2 and 4 holes
Folding: Z-fold, half-fold

Multi (GBC) punch finisher 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

Staple finisher FS-528

Stapling of up to 100 sheets
2 point and corner stapling
Variable staple length (cutting mechanism)
Punching (with optional PK-505)
Output for up to 3,000 sheets
Subtray for up to 200 sheets

Booklet finisher FS-611

Stapling of up to 50 sheets
Folding: letter fold-in, multi letter fold-in,
half-fold, multi half-fold
Booklet making up to 20 sheets (80 pages)
Punching (with optional PK-505)
Output for up to 2,500 sheets
Subtray for up to 200 sheets

Post inserter PI-506

Option for FS-528 and FS-611
2 post insertion trays
Paper capacity: up to 400 sheets

Punch kit PK-505

Option for FS-528 and FS-611
Punching (2 and 4 hole)

Trim finisher TU-502

Option for FS-611
Front trimming of booklets
Trim capacity: up to 20 sheets
Output capacity: up to 100 booklets

- 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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