



KONICA MINOLTA

**Black & white production systems**

bizhub PRO 1050e

bizhub PRO 1050eP



# **bizhub PRO 1050e**

The greater performance principle

**bizhub PRO**

The essentials of imaging



# Committed to performance & productivity

Exceptional speed and versatility paired with unparalleled durability and reliability, this is what central reprographic departments, print-for-pay providers and many commercial printers look for in a digital production system. Now, they need look no further. With the bizhub PRO 1050e Konica Minolta presents its new high-performance black and white production solution that combines exactly these merits: impressive speed, amazing flexibility, highest solidity and absolute dependability.

■ With Konica Minolta's proven, advanced precision print technology the bizhub PRO 1050e produces outstanding quality at the top speed of up to 6,300 pages per hour, making it perfect for just-in-time print jobs – whether print runs are long or short a fast turnaround is always guaranteed. The system's versatility also encompasses an impressive media flexibility that extends to 300 gsm paper.

■ Available in a range of 18 different system configurations the bizhub PRO 1050e integrates into any production environment. Featuring an extensive selection of finishing devices, with a perfect binder as the latest highlight, the bizhub PRO 1050e offers a virtually unlimited variety of output choices, including saddle-stitched booklets, perfect-bound books of hundreds of pages, mailings with sophisticated folding mechanisms, reports, flyers, and whatever else the discerning customer might desire.

bizhub PRO 1050e. The benchmark in performance and productivity.

## bizhub PRO 1050e

→ System 1



For booklets and mailings

→ System 2



For mailings, flyers and reports

→ System 3



For mailings, flyers, reports and booklets

# Perfect integration anywhere

No matter which production environment, there is a bizhub PRO 1050e configuration to suit its needs! Thanks to its modular concept the bizhub PRO 1050e comes in a total of 18 different configurations, each of them exactly in tune with different production and finishing applications – and all available as a copier-printer and a pure printer version! And because every system can be adjusted and tailored to growing business needs and changing customer requirements, each bizhub PRO 1050e represents a good and secure investment for years to come.

## Performance and productivity

Its amazing speed, extensive duty cycle and absolute efficiency make the bizhub PRO 1050e the premier choice for high-volume printing environments.

- Top production speed of up to 6,300 A4 sheets per hour
- Monthly duty cycle of up to 1.5 million prints
- Paper capacity max. 9,000 sheets input and up to 13,600 sheets output
- Standard tandem functionality to combine two identical system configurations, doubling the output speed

## Quality and versatility

With its impressive media flexibility and a multitude of efficient features and functions the highly versatile bizhub PRO 1050e increases production flexibility, improves image quality and enhances the overall productivity.

- Processes media of up to 300 gsm for one-sided (1/0) and up to 244 gsm for two-sided (1/1) printing
- Max. paper size 324 x 460 mm for max. printed images of 314 x 457 mm
- Unparalleled image quality with high definition Simitri HD® polymerised toner
- Extensive variety of output choices thanks to unique selection of finishing features

## → Precision and reliability

Designed for high-volume printing environments, the bizhub PRO 1050e offers levels of precision, control and reliability that are second to none. Touch screen operation ensures ease of use with one interface to the professional user. The paper handling technology features airflow assisted feeding rollers for each paper tray while the base engine also incorporates a double feed detection mechanism at both registration and feeder areas. The positive consequence is maximum uptime to deliver maximum productivity – day in and day out!



## → CSRC for highest availability

Konica Minolta's remote diagnostics system CS Remote Care means pro-active support for each bizhub PRO 1050e in the field. With constant analysis of the system performance CS Remote Care enables automated reporting and preventive maintenance and effectively assures round-the-clock availability.

→ System 4



For existing finishing environments

→ System 5



For reports and existing finishing environments

→ System 6



For reports and existing finishing environments

# Possibilities to make the most of

At the end of the day, success depends on how well a business meets its customers' requirements. That's why a printing system is needed that does the job quickly and reliably, delivering nothing but highest quality.

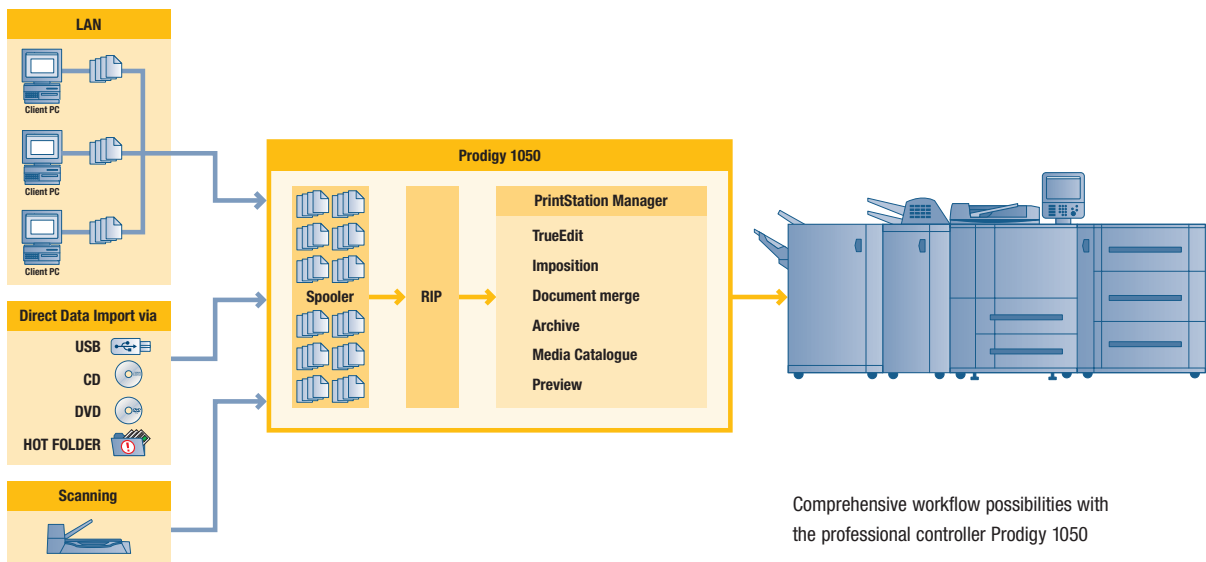
## ➔ Prodigy 1050 – professional controller

This ideal central job management tool is the latest development resulting from the successful collaboration between Konica Minolta and EFI that is based on the MicroPress technology. The print controller Prodigy 1050 is the perfect interface between key operator and printer. Both intuitive and user friendly, it supports and enhances all the impressive functions and options of the bizhub PRO 1050e.

## ➔ Prodigy 1050 benefits

- Easy to use digital front end.
- Maximum productivity.
- High print quality.
- Spool management and workflow control.
- Powerful suite of document make-ready tools.
- Make ready process after RIPping.
- Full output device control.

Print controller Prodigy 1050 – optimal workflow control and document made-ready functionality.



Comprehensive workflow possibilities with the professional controller Prodigy 1050

➔ System 7



For existing finishing environments

➔ System 8



For booklets

➔ System 9



For reports and mailings



## ➔ How to step up a gear and really get moving

An enormous paper handling capacity. Rapid printing speed. Soothing reliability. Easy integration into your existing printing and network environments. Altogether, the bizhub PRO 1050e minimizes production times and optimizes the performance of any printing business.

- Printing of documents can be programmed down to page level with mixmedia (e.g. coloured paper fed from different trays).
- Switching between one-and two-sided printing is possible during operation (mixplex).
- On the fly paper and toner refilling for continuous operation.

## ➔ A multi-talented system

The bizhub PRO 1050e prints and copies at unrivalled speed and this with the highest precision. But the scanning capabilities available on the bizhub PRO 1050e copier/printer versions are also of great value to the working process. Whether scan-to-eMail, -FTP, -HDD, -SMB, as PDF, or TIFF via TWAIN, it goes the extra mile required for complete workflow efficiency.

➔ System 10



For booklets and reports

➔ System 11

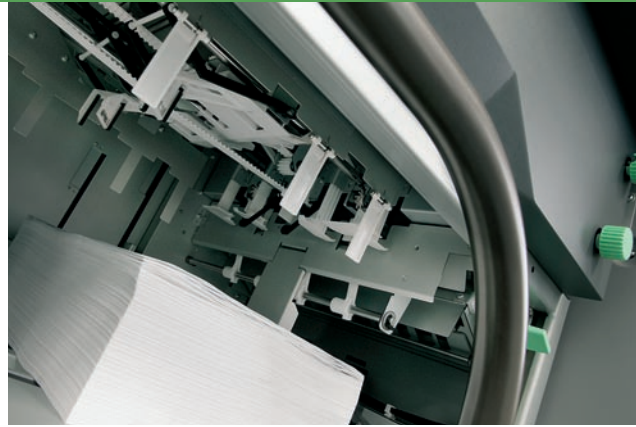


For booklets and existing finishing environments

➔ System 12



For mailings, reports and existing finishing environments



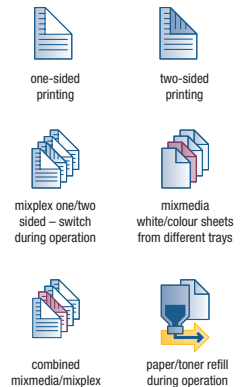
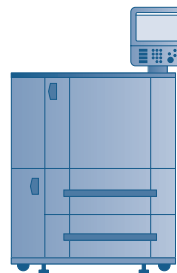
# Finishing for lasting impressions

In the end, it all depends on the final result. And when it comes to finishing, the bizhub PRO 1050e really shines. The Konica Minolta production system accommodates customer wishes with speed, simplicity and the utmost satisfaction. From numerous online punching and stapling options up to eight sophisticated folding functions, booklet creation and book binding the results speak for themselves.

## → bizhub PRO 1050e (main unit)

Professional finishing starts in the bizhub PRO 1050e itself. A variety of advanced features ensures the production of sophisticated, perfect document formats:

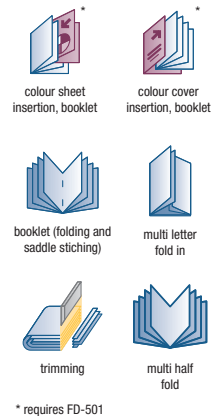
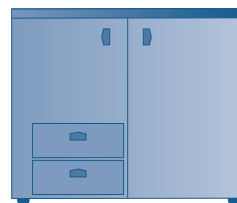
- Mixplex allows to combine single- and double-sided pages within one document.
- Mixmedia lets the user specify individual paper types from various trays on page-level.
- The combined mixmedia and mixplex function fully automates the production of complex one- and two-sided documents on different media.



## → Booklet maker (SD-501)

The booklet-maker provides tangible added value as ideal finishing equipment for all kinds of saddle stitched and trimmed booklets. It speeds up the online production of leaflets, brochures, catalogues and other marketing, sales and training materials.

- The 50-sheet booklet-maker provides tangible added value by enabling the production of brochures with up to 200 pages including automatic image shift and trimming.
- Multi letter fold in and half-folding functionality for up to 5 sheets accelerates the creation of mailings.
- A large output capacity for up to 50 books ensures production without downtime.



→ System 13



For mailings and existing finishing environments

→ System 14



For perfect bound books

→ System 15

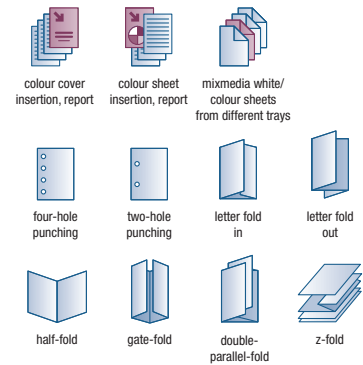


For perfect bound books, brochures and leaflets

## → Folding unit (FD-501)

The ideal choice for the production of mailings, flyers and more, the FD-501 is used to its best advantage in combination with either the booklet maker, the staple finisher or the perfect binder.

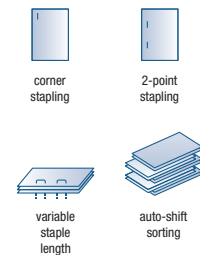
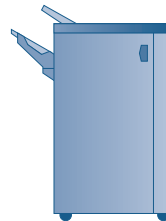
- Six different folding schemes.
- 2/4 hole punching.
- 100% productivity when punching.
- Post-insertion of pre-printed sheets and covers.



## → Staple finisher (FS-503)

Equipped with the FS-503 the bizhub PRO 1050e provides multi-position stapling making this the perfect choice for the production of manuals, reports and other extensive documentation.

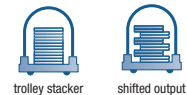
- Stapling with variable staple-length of up to 100 sheets with 100% productivity (up to 244 gsm).
- Auto-shift sorting and grouping.
- Output capacity for up to 3,000 sheets.



## → Large stacker (LS-501 + LS-502)

With one or two large-capacity stacker units the bizhub PRO 1050e is perfectly suitable for integration into environments with existing finishing facilities, such as insertion or postage metering facilities, or other existing equipment. A big improvement to all near-line finishing work.

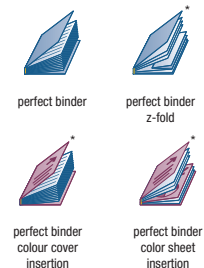
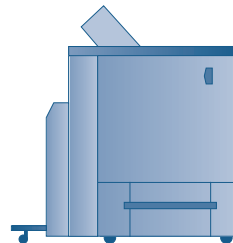
- Trolley mounted paper stacker for direct transfer to existing nearline finishing stations.
- Up to 10,000 sheets stacking capacity when mounted as a tandem.
- Auto-shift stacking.
- Paper clamp mechanism



## → Perfect binder (PB-501)

Konica Minolta's latest finisher highlight enables online production of all kinds of perfect-bound books. Z-fold\* insertion and the inclusion of pre-printed colour covers and sheets are also available.

- Bookbinding up to 30 mm thickness.
- Hot melted glue process.
- In-line cover trimming.
- Cover tray for up to 1,000 sheets



\* requires FD-501

→ System 16



For booklets and perfect bound books

→ System 17



For perfect bound books and existing finishing environments

→ System 18



For brochures, leaflets, reports and all types of perfect bound books



KONICA MINOLTA



EPA POLLUTION PREVENTER



Simitri HD  
High Definition Polymerised Toner

## Technical specifications

### Copier specifications

**Copy speed**  
105 cpm (A4)  
6,300 cph (A4)  
60 cpm (A3)  
3,600 cph (A3)

**Copy resolution**  
600 x 600 dpi

**1st copy/print**  
3 sec. (A4 crosswise)

**Gradations**  
256 gradations

**Magnification**  
25% – 400% in 0,1% steps

**Multiple copies**  
1 – 9,999, countdown,  
interruption mode

**Copy memory**  
Standard: 256 MB  
Max.: shared with copier HDD

**Copier HDD**  
40 GB

### Printer specifications

**Print speed**  
105 ppm (A4)  
6,300 pph (A4)  
60 ppm (A3)  
3,600 pph (A3)

**Print resolution**  
Max.: 2,400 x 600 dpi

**Page description language**  
PCL 6, PS3

**Printer driver**  
Windows 2000/2003/NT4.0/XP  
Macintosh 8.6, 10.x  
Linux/Unix

**Interface**  
Parallel  
Ethernet (10/100-Base-T)

**Print memory**  
Standard: 512 MB

**Printer HDD**  
40 GB

**Operating systems**  
Windows 95/98/2000/ME/XP/NT4.0  
Mac OS 8.0 or higher  
Linux (e.g. Red Hat, Caldera, SuSE)  
Unix (e.g. Solaris, HP-UX, IBM-AIX)

### Scanner specifications

**Scan speed**  
105 opm (A4)  
6,300 oph (A4)  
60 opm (A3)  
3,600 oph (A3)

**Scan resolution**  
600 x 600 dpi

**Scan modes**  
TWAIN scan  
Scan-to-eMail  
Scan-to-FTP  
Scan-to-SMB  
Scan-to-HDD

**Scan formats**  
TIFF (single and multipage), PDF

### System specifications

**Automatic document feeder**  
Up to 100 originals  
50 – 200 gsm

**Paper weight**  
40 – 244 gsm  
Up to 300 gsm  
(from PF-701 middle tray)

**Paper size**  
A5 – A3+ (324 x 460 mm)

**Maximum image area**  
314 x 457 mm

**Duplex unit**  
Non-stack type  
60 – 244 gsm

**Paper input capacity**  
Standard: 3,000 sheets  
Max.: 9,000 sheets with PF-701  
Paper feed unit PF-701:  
3 magazines  
Up to 6,000 sheets paper capacity  
Up to 300 gsm (from middle tray)

**Sheet bypass**  
Pass through to multiple subtrays

**Paper output capacity**  
Trolley-mounted max.: 10,000 sheets  
Main tray max.: 3,000 sheets  
Per sub tray max.: 200 sheets

**Tandem functionality**  
For copying and printing  
For equal system configurations

### Folding unit FD-501

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

### Booklet finisher SD-501

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)

### Staple finisher FS-503

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

### Large stacker LS-501/LS-502

Up to 5,000 sheets stacking capacity  
Trolley mounted stacker  
Auto-shift stacking  
Up to 10,000 sheets stacking capacity  
when used as a tandem  
Sub tray for up to 200 sheets  
Paper clamp mechanism

### Perfect binder PB-501

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 x 2 stacks

### Warm-up time

Less than 60 sec.

### Main unit dimensions (W x D x H mm)

895 x 775 x 1,190  
895 x 775 x 1,410 (incl. monitor)

### Main unit weight

310 kg (incl. ADF)

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. Some of the product illustrations contain optional accessories.

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