



KONICA MINOLTA

The essentials of imaging



# **bizhub PRO 2500P series**

The ultimate in performance and quality



Production systems bizhub PRO 1600P/2000P/2500P

bizhub PRO 1600P/2000P/2500P, production systems



# The ultimate solution for **absolute performance**

Commercial printers and print service providers – that is, any environment with high production volumes and constant throughput – require professional hard- and software solutions for smooth, faultless and undisturbed production. In the interest of top performance, the exclusion of bottlenecks and stand-stills in production is essential.

Well aware of what printers need to protect their margins in this competitive business, Konica Minolta proposes a unique digital production solution: The bizhub PRO 2500P series features revolutionary simultaneous printing on both sides of a sheet, achieving production speeds of up to 250 images per minute. Finally, it's no longer the output system limiting the throughput in the print room – these digital presses hold their own in any print workflow.

Featuring state-of-the-art technology, the bizhub PRO 1600P/2000P/2500P provide the ultimate in quality and productivity. They integrate seamlessly into any production workflow, are entirely environmentally-sound in their performance, and offer printing companies these and other important customer benefits:

**bizhub PRO 1600P**

**bizhub PRO 2000P**

**bizhub PRO 2500P**



- Highest throughput and top productivity are ensured with impressive speeds of up to 250 images per minute. Printing businesses benefit by increasing their turnover and achieving a fast ROI.
- The bizhub PRO 1600P/2000P/2500P deliver a supreme image quality that is virtually indiscernible from offset prints. With these flexible digital presses, print providers can now offer their customers offset-like quality also for short print runs.
- Independent of their speed, the three systems can be individually configured to the printer's specific requirements. Later upgrading is simple and straightforward.
- A variety of online finishing devices allows customisation of the bizhub PRO 1600P/2000P/2500P for individual production needs. Printing companies enjoy the advantages of increased throughput and generate additional profits with the fully automated production of highly individual print products, such as saddle-stitched brochures.
- The absolute reliability of the bizhub PRO 1600P/2000P/2500P also relates to their capacities for extreme volumes of up to 8 million images per month. These high-performance production capabilities translate into high volume print production around the clock and the comfortable knowledge that peak volumes are safely covered.
- The bizhub PRO 1600P/2000P/2500P print to a wide range of print media without loss in performance. Print providers gain the advantage of proposing unique print products that differentiate from competitive offerings.
- The three systems also impress with a performance that demonstrates the highest-possible degree of eco-friendliness in their class. Thanks to their combination of extremely low power consumption, virtually no ozone emission and an extraordinarily low noise level operators benefit from a clean and healthy working environment even if the systems are operated on a 24/7 basis.

**The bizhub PRO 1600P, bizhub PRO 2000P and bizhub PRO 2500P combine top speed with outstanding image quality, impress with their environmentally-sound performance, and deliver results that will satisfy even the most discerning commercial printer.**





# Ultimate technology, **100% accuracy**

**Image press, one pass duplex and media logic – these are just some of the unique technological achievements with which the bizhub PRO 2500P series gives impressive proof that today's advanced digital technology is more than a match to offset printing.**

## ➔ **Image press technology**

Passing through the bizhub PRO 1600P/2000P/2500P on a short and straight paper path, prints are put under considerably less strain, as the image press technology liquefies the toner while it is transferred to the paper. At the same time the system's innovative processing technology requires only a single fusing process at low temperature, which again means less wear on the prints. As a result, duplex printing without loss of speed is possible not just for paper grammages of up to 270 gsm but also for an extensive range of special, embossed and structured media.

## ➔ **One pass duplex technology**

The bizhub PRO 1600P/2000P/2500P feature a unique one pass duplex technology that provides a previously unattainable performance. This singular production technology is based on two engines that simultaneously print on the front and the reverse side of a sheet. Each engine works at the system speed of up to 125 sheets per minute, which combines to the bizhub PRO 2500P's top production speed of 250 images per minute (ipm). With up to 200 ipm and up to 160 ipm respectively, the performance of the bizhub PRO 2000P and bizhub PRO 1600P is equally impressive.

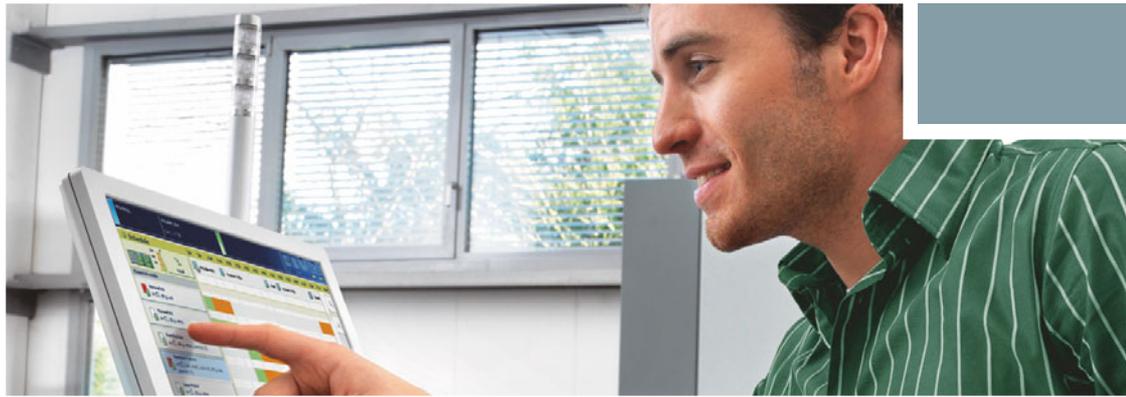


## ➔ Media logic

The paper processing flexibility on the bizhub PRO 1600P/2000P/2500P is superb. Thanks to their unique media logic, the whole range of media sizes and paper weights can be fed from all trays. As papers are not turned during duplex printing, pre-printed sheets are inserted into trays in reading direction – which increases convenience and reduces the likelihood of misprints. As soon as two or more trays are programmed for the same media type, the system will automatically combine these paper sources to one virtual tray. For convenient post insertion of pre-printed materials, all trays can be programmed accordingly, immediately switching to a cold paper path, processing the paper without fusing.

**Konica Minolta's innovative digital production presses work with unique toner technology, unparalleled screens and a singular fixing process based on extremely low temperatures. This enables the bizhub PRO 2500P series to produce a printed image that is virtually indiscernible from offset prints and as such is acceptable even to the critical eye of the most demanding offset printer.**





# Total production power, ultimate productivity

Uninterrupted high-volume production is essential for true productivity. Besides high speeds, achieving continuous throughput much depends on extensive input and output capacities. Another asset is the possibility to replenish paper and toner during production. But top efficiency still requires more than that:

- First there's the speed, and that is impressive: Singular duplex printing at between 160 and 250 images per minute allows for monthly production volumes of up to 8 million images corresponding to 4 million duplex printed sheets.
- Next, offering full modularity the bizhub PRO 1600P/2000P/ 2500P can be equipped with up to 3 paper input modules (PIMs), which equals a maximum of 12 paper magazines with a combined capacity of up to 13,800 sheets. Such extensive stocking possibilities support extreme media flexibility – depending on what's needed, up to 12 different media types can be simultaneously available. For convenience and smooth handling of extensive print runs, the operator can take advantage of the systems' unique media logic.
- Output is similarly modular via high capacity stackers or "HCS". Each HCS holds up to 6,000 printed sheets; and up to three can be equipped for a maximum output capacity of 18,000 sheets.
- Round-the-clock print production with next to no interruption also requires reliable ahead-planning of consecutive jobs. In the bizhub PRO 2500P series the intelligent job scheduler takes care of this. It registers in advance what will be required to process the print jobs in the queue, and alerts the operator in good time to stock up the required media. The job scheduler enables the key operator to work hand-in-hand with the bizhub PRO 1600P/2000P/2500P, minimising stand-stills and maximising productive throughput.
- Another important capability for maximised operation is the paper catalogue that corresponds seamlessly with the scheduler. Programming the paper catalogue saves the operator the need to know where the paper type required for the specific job is stored. In preparation for production the operator simply selects a desired media type from the paper catalogue. If lack of a specific paper type is detected by the scheduler prior to the production of that job, the operator will be automatically alerted.



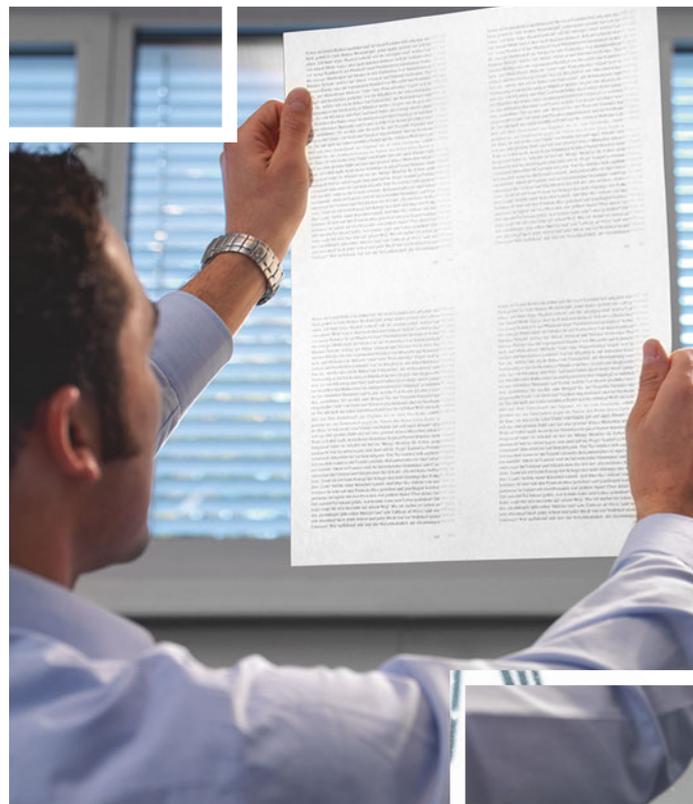


# Ultimate competence for singular quality



**In the past, offset technology set the standards for quality, accuracy and reliability in professional production environments. Now, superior image quality, complete flexibility and extreme printing speed are no longer mutually exclusive – thanks to the advanced combination of state-of-the-art digital technologies in the bizhub PRO 2500P series.**

- With an excellent screening frequency of 180 lpi the bizhub PRO 1600P/2000P/2500P produce a supreme image quality, including solid coverage, superb greyscale reproduction, and the matt print finish so essential in the professional printing environment. Of high importance is the image adjustment in lines per inch – this is what commercial printers can relate to!
- Registration accuracy is another quality criterion that's essential to commercial printers. Thanks to the one pass duplex printing process in the bizhub PRO 1600P/2000P/2500P, extensive handling of the paper is avoided – sheets need not be turned for reverse side printing, the complete paper path is much shorter. This revolutionary technology minimises registration tolerances to 0.5mm or less.
- These unique characteristics enable duplex printing on media of up to 270 g thickness, making Konica Minolta's high-volume digital production presses a perfect solution for the creation of impressively creative print products that are set well apart from the general standard.



# Ultimate versatility from start to finish

Any commercial production run requires professional handling of the printed product from the printing itself to sophisticated finishing – and as always, flexibility is the key! While primarily designed for large-capacity stacking to provide existing finishing environments with enhanced productivity, the bizhub PRO 1600P/2000P/2500P can be equipped with a range of highly versatile finishing options. Konica Minolta's high-performance digital presses accommodate all customer requirements in b/w production – including booklet creation as well as numerous online stacking and stapling options.

## → bizhub PRO 1600P/2000P/2500P Main Unit

Professional finishing starts right inside the bizhub PRO 1600P/2000P/2500P – a variety of advanced features ensures the production of sophisticated document formats:

- Highest print performance and quality even when printing on structured paper types
- Heavy stock printing without loss of speed
- No limitation in duplex printing on heavy stock
- Mixmedia lets the user specify individual paper types from various trays on page level



## → Paper Input Module

The Paper Input Module (PIM) is the flexible solution to supply all required print media. The system can be equipped with up to three PIMs for max. 13,800 sheets capacity.

- Four paper trays with up to 4,600 sheets capacity per PIM
- Up to 3 PIMs with 12 trays and 13,800 sheets
- Suction feed technology for each tray
- Each tray can process all types of media and all paper sizes (203 x 203 mm to 320 x 488 mm)
- Media logic: pre-printed pages are set in reading direction
- Tray linking for uninterrupted media loading
- Post inserts from each tray (cold paper path)



## → High Capacity Stacker

In the High Capacity Stacker (HCS), digital prints are stacked reliably and in high quantity – up to three HCS can be equipped.

- Stack height of up to 3,000 sheets
- Up to 6,000 sheets capacity (2 stacks)
- Max. 3 HCS units = up to 18,000 sheets stacking capacity
- Supports shifted output for sorting
- Continuous unloading supported
- Completed paper stacks are ejected
- Optional paper lift for easy transfer of paper stacks to offline finishing stations





## → Set Finisher

The Set Finisher is the inline finishing solution for reports and other documents that require stapling. At the same time, it provides additional stacking trays.

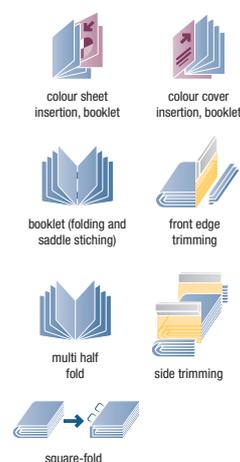
- Stacking of up to 3,500 sheets on 3 trays
- Supports shifted output
- Separate top tray for large formats for up to 500 sheets
- Stapling of up to 100 sheets
- 2-point and corner stapling



## → Bookletmaker 25

The Bookletmaker 25 is the 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.

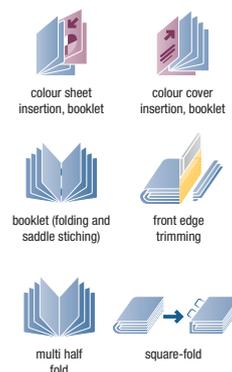
- Booklet making of up to 25 sheets (100 pages)
- Optional front edge trimming, side trimming and square-fold modules
- Optional rotator module for A5 booklets
- Processing of manually fed sets, and folding-only functionality
- Paper weights between 60 and 270 gsm
- Large output capacity thanks to conveyor stacker



## → Bookletmaker 50

Where requirements are more varied, the high-end Bookletmaker 50 is the suitable choice for the production of more extensive saddle-stitched and trimmed booklets. It enables fast online production of leaflets, brochures, catalogues and other marketing, sales and training materials.

- Booklet making of up to 50 sheets (200 pages)
- Integrated front edge trimming and square-fold finishing modules give books a professional, 'perfect bound' look
- Integrated rotator module ensures optimum productivity, also for A5 books
- Heavy duty stitching capacity
- Multiple stitching functionality (up to 6 saddle stitches)
- Supported paper weights between 70 and 250 gsm cover the production of a wide range of printed booklets



## → inline Multi Format Stapler

The inline Multi Format Stapler (iMFS) adds multi-position stapling the bizhub PRO 2500P series' capabilities, making it the perfect choice for the production of manuals, reports and other extensive documentation.

- iMFS supports single and dual stapling of documents with up to 50 sheets
- Large capacity tray for up to 2,000 sheets
- Superb stacking quality, stacking of mixed sizes and stapling of formats up to A3 cover all requirements related to the production of a wide range of print products



# System configurations

## System 1

The system for entry level print volumes and stacking

- Up to 4,600 sheets paper input capacity
- 4 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 6,000 sheets
- Upgradeable to a total number of 3 PIM and 3 HCS units
- Upgradeable with inline and online finishers (see Systems 2, 6, 7 and 8)



## System 2

The system for entry level print volumes and stacking plus inline stapling

- Up to 4,600 sheets paper input capacity
- 4 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 6,000 sheets
- Stapling of documents of up to 100 sheets
- Additional stacking capacity of up to 4,000 sheets
- Upgradeable to a total number of 3 PIM and 3 HCS units
- Upgradeable with online finishers (see Systems 6, 7 and 8)



## System 3

The system for high print volumes and high capacity stacking

- Up to 9,200 sheets paper input capacity
- 8 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 6,000 sheets
- Upgradeable to a total number of 3 PIM and 3 HCS units
- Upgradeable with inline and online finishers (see Systems 2, 6, 7 and 8)



## System 4

The system for high print volumes and higher capacity stacking

- Up to 9,200 sheets paper input capacity
- 8 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 12,000 sheets
- Upgradeable to a total number of 3 PIM and 3 HCS units
- Upgradeable with inline and online finishers (see Systems 2, 6, 7 and 8)





### System 5

The system for highest print volumes and ultra high capacity stacking

- Up to 13,800 sheets paper input capacity
- 12 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 18,000 sheets
- Upgradeable with inline and online finishers (see Systems 2, 6, 7 and 8)



### System 6

The system for high print volumes, high capacity stacking and inline stapling

- Up to 9,200 sheets paper input capacity
- 8 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 6,000 sheets
- Inline finisher for stapling and stacking
- Upgradeable to a total of 3 PIM and 3 HCS units



### System 7

The system for high print volumes, high capacity stacking and inline booklet production

- Highest performance and print quality
- Up to 9,200 sheets paper input capacity
- 8 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 6,000 sheets
- Inline saddle stitch finisher for booklets with up to 25 sheets/100 pages
- Upgradeable to a total of 3 PIM and 3 HCS units



### System 8

The system for high print volumes, high capacity stacking and high-end inline booklet production

- Up to 9,200 sheets paper input capacity
- 8 trays, each processing all media and sizes
- Tab feeding and post insertion from each tray
- High capacity stacking of up to 6,000 sheets
- Inline saddle stitch finisher for booklets with up to 50 sheets/200 pages
- Upgradeable to a total of 3 PIM and 3 HCS units





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## Technical specifications

### Printer Specification

**Print speed**  
**bizhub PRO 2500P**  
250 ipm (A4)  
132 ipm (A3)

**bizhub PRO 2000P**  
200 ipm (A4)  
106 ipm (A3)

**bizhub PRO 1600P**  
160 ipm (A4)  
85 ipm (A3)

**Print resolution**  
Max. 1200 x 600 dpi

**Gradations**  
Up to 237 gray values

**Screening frequency**  
Up to 180 lpi

### Smart RIP controller

**Page description language**  
Postscript 3, PDF, PCL 5, PCL 6 (all optional)

**Hardware**  
Dell Optiplex 745

**CPU**  
Intel Core2

**System memory**  
2 GB

**Printer drivers**  
Windows Vista/2000/XP/NT4.0/Server 2003  
MAC OS 9.x and 10.x

**Network**  
Ethernet (10/100/1000-Base-T)

### System Specifications

**Main unit dimensions (W x D x H mm)**  
1,070 x 1,443 x 1,204 (only print engine)

**Main unit weight**  
680 kg (only print engine)

**Paper weight**  
50 – 270 gsm

**Paper size**  
203 x 203 mm – 320 x 488 mm  
(from all trays)

**Paper input capacity**  
Paper input module (PIM)  
2 trays with up to 600 sheets each  
2 trays with up to 1,700 sheets each  
Total capacity per PIM: up to 4,600 sheets  
Maximum capacity with 3 PIM installed: up to 13,800 sheets

**Paper output capacity**  
High capacity stacker (HCS)  
Up to 6,000 sheets  
Maximum capacity with 3 HCS units installed: up to 18,000 sheets

**Set finisher**  
Stacking of up to 3,500 sheets on 3 trays  
Shifted output  
Separate top tray for large output for up to 500 sheets  
Stapling of up to 100 sheets  
2-point and corner stapling

### Bookletmaker 25

Booklet making of up to 25 sheets (100 pages)  
Saddle stitching and folding  
Folding-only  
Squarefold unit (optional)  
Front edge trimming unit (optional)  
Side trimming unit (optional)  
Rotator for A5 booklets (optional)  
Hand feeding of individual sets

### Bookletmaker 50

Booklet making of up to 50 sheets (200 pages)  
Full productivity  
Memory for 24 jobs  
Front edge trimming  
Squarefold  
Single side loading stitch head (1–6 stitches)  
Output tray for 35 booklets of 20 sheets (80 gsm)  
Hand feeding of individual sets  
Paper weights of 70–250 gsm

### Inline multi format stapler (IMFS)

Stapling of up to 50 sheets  
Corner, dual and mixed paper format stapling  
Straight or offset stacking: output for up to 2,000 sheets; upper tray for up to 250 sheets

- 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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