



KONICA MINOLTA

bizhub PRESS C70hc

✍ Innovate the future



bizhub PRESS 
C70hc

COLOUR PRODUCTION PRINTING SYSTEM

Giving Shape to Ideas



PIONEERING TECHNOLOGY, EXCEPTIONAL COLOURS

With the bizhub PRESS C70hc, you successfully innovate your business with printed colours in a quality you have never seen before.

In this highly competitive and fast-moving world, you need to innovate, you need to find and retain customers, therefore you need new applications and new services. At all times, you need to convince customers about your capabilities, and you need printing that exceeds expectations.

Cutting costs means fewer people have to do more work, and manual procedures have to be minimised because they are costly – automation is therefore a key requirement, as well as easy operation so you can reduce your reliance on skilled operators.

Time is money so you need to fulfil jobs as quickly as possible because you cannot afford to wait – you are searching for high productivity combined with high availability.

If these are your requirements, don't hesitate to take a closer look at the bizhub PRESS C70hc. You will almost certainly find that it can do far more for you than you ever thought possible!

OUTSTANDING QUALITY OPTIMUM PERFORMANCE

Whether you want to get started in digital production or are already looking for the next level, the bizhub PRESS C70hc takes you one step further forward. Incorporating new opportunities, outstanding quality, optimum performance and extremely convenient operation, it is the perfect partner for efficient digital colour print production, and provides you with an easy and successful track to digital technology.

▀ Demonstrate your print expertise

bizhub PRESS C70hc is the right solution for new print applications, satisfied customers, and more profit from print products. You will successfully attract new customers and demonstrate your expertise in tomorrow's trends. All of this is at your command with the bizhub PRESS C70hc – with HC (High Chroma) toner for more colours than ever before, and for RGB workflows which fit perfectly with cross-media applications. This solution boasts saturation or vivid print which highlights the power of printed products.

▀ Maximise your productivity

Work is more satisfying with quick and easy user interfaces, user-oriented guidance, and inline finishing for automation of your print products. All this, plus integration in existing workflows and web-to-print applications, minimises learning curves and maximises productivity and efficiency.

▀ Benefit from speed and efficiency

Enjoy the improvements on the bottom line: higher profitability, more jobs in the shop, and meeting the tightest deadlines with ease. Do you want your business to grow? Get a bizhub PRESS C70hc and benefit from the efficiency-enhancing features like a speed of up to 71 ppm in A4 or up to 2,160 pph in SRA3, maximised uptime with the CS Remote Care diagnostic system and Customer Maintenance Support program. And to ensure that your print production remains reliable, this is all backed up by the Konica Minolta Color Care colour management system.





bizhub PRESS C70hc TECHNOLOGY

As a high-tech machine designed for a high-tech world, the bizhub PRESS C70hc naturally incorporates state-of-the-art technologies. Konica Minolta's research and development teams around the world are continuously further advancing every aspect of printing technology to boost your competitive edge and business success.

▀ Toner technology

The HC toner is based on Konica Minolta's proprietary Simitri® HD (high definition) polymerised toner. Konica Minolta invested many years of extensive research and development in the creation of this unique toner to guarantee the outstanding image quality of its digital colour presses.

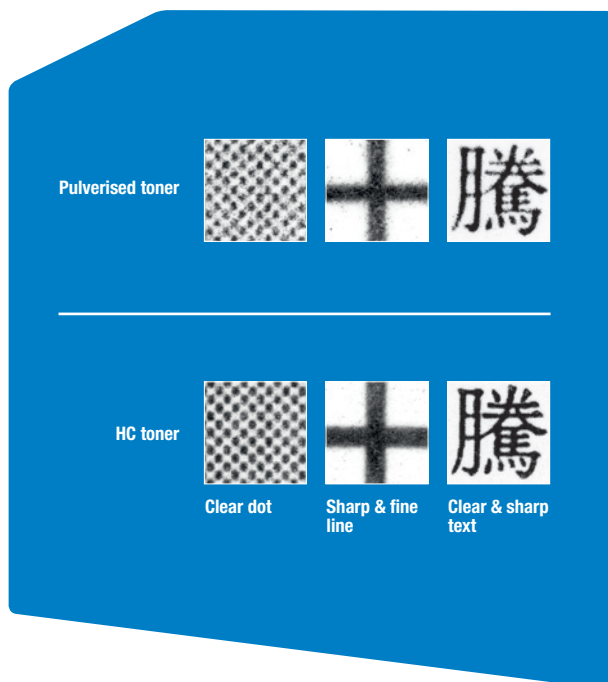
Thanks to this R&D, the HC toner boasts more colours than ever before, and makes colour conversion relatively easy because the gamut is close to sRGB. Higher colour saturation is achieved because the toner is closely associated with the vividness of the colour. What this means in effect is that Pantone colours that were never possible before can now be reproduced in printed material. Other advancements include the small and uniform toner particles for enhanced image quality, as well as razor-sharp text and lines. The professional oil-free print finish allows handwriting to be incorporated on any document. And the low fusing temperature is the guarantee for higher media flexibility and lower power consumption.



Imaging technologies

Developed by Konica Minolta, S.E.A.D. II 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 represents the second generation of Konica Minolta’s advanced colour processing technology and includes these important capabilities:

- **1,200 dpi resolution** with finer details, sharper outlines and more legible text to extend your production output far beyond the capacities of standard 600 dpi printers.
- **Outline character processing** to reproduce the ideal thickness of knockout type on colour backgrounds for even greater legibility.
- **IDC sensor** for image density control which automatically corrects halftone density during continuous printing and improves stability in any environment.
- **CDC sensor** for colour density control which reads printed colour values in real time to reproduce hues and skin tones more accurately on any kind of paper.



Paper convenience technologies

The bizhub PRESS C70hc features fast and ultra-smooth paper processing boasting a speed of up to 71 ppm in A4 or 2,160 pph in SRA3, a throughput of up to 7,500 sheets, and media weights up to 300 gsm – at a monthly volume of up to 330,000 sheets. Smooth production even at this high capacity is maintained by technologies such as:

- **Air-assist paper feeding:** Air injected during the paper feed process separates the sheets and feeds them individually, and therefore significantly improves reliability at the same time as speeding up output.
- **Multi-feed detection:** Ultrasonic sensors automatically detect multi-fed papers and stop your print run to minimise misprints and prevent blank sheets from mixing with the printed output.
- **Pre-heating:** Where required, an optional heating unit inside the paper magazine dries the paper stock before printing.
- **Hybrid decurling:** By humidifying the paper passage to remove unwanted static electricity and heat, this advanced technology reduces paper curling and paper clinging.

bizhub PRESS C70hc

BUSINESS OPPORTUNITIES

The production print market is undergoing significant changes today. Accelerated by the recent economic downturn, the number of printing businesses is in decline, total print volume is decreasing and an increasing number of print applications are being transferred to electronic media.

Informed printing companies know that they need to grow their print business, increase profit margins and generate new revenues. To support customers in achieving this, Konica Minolta has launched Digital1234; a comprehensive business development program that puts the focus upon the customer's needs to enable his business.

The key question is 'How can we enable your business today?' The solution to most business challenges can simply be answered with "by saving you money, increasing your profit, adding new services and making you more productive." The Digital1234 business building program has been designed for simplicity and encourages businesses to take an opportunity-based approach – to start driving a better business. Using four practical steps the customer is guided and coached on how to identify, assess, justify and implement new business opportunities.

The basic concept features these four steps, giving advice through the business process: Why should I invest in this opportunity? How can I fit this into my existing business? Who has experienced it and can tell me about it? What steps should I take to be successful with this new opportunity?

Starting with "why", Digital1234 uses simple opportunity-based papers written by credible industry partners, who explore each business opportunity. The second step focuses upon the "how", by using simple assessment questions set by a panel of international and independent business experts. The third step, the "who", describes the story behind the business success while the fourth step provides business resources for download to help customers prosper in their business, such as business focused implementation guides written by industry consultants.

1234
DIGITAL1234
 enabling your business

Digital1234
 The Digital1234 business development program is designed to encourage print businesses to focus on the opportunities to save money, increase profits, add new services and to improve productivity.
 Using four practical steps the customer is guided and coached on how to identify, assess, justify and implement new business opportunities.

Variable data printing

- What is most unique about digital printing?
 - You can customise every page within one print run and thus create a unique, targeted and relevant message for each recipient.
 - This is called “Variable Data Printing” (or VDP).
- Direct mail can be more personal:
 - “Dear Sir or Madam” will become “Dear Paul”.
- This is the unique value proposition with digital printing that cannot be achieved with traditional printing.
- Studies have shown: the more you zoom in on your readers, the more effective your message will be.
- On average personalised marketing collateral leads to 31% greater profits compared to general marketing materials.
- As a print provider you can charge more for VDP jobs, and your customer gets a better response per piece.
- More profit for you – more business for your customer.



Photobooks

- Did you know: 20 years ago, pictures were taken on analogue film and all pictures were printed. You simply threw out the bad ones.
- Today, photo cameras are all digital – no more film.
- People are now taking three times more photos with digital devices than they did before.
- But: only 5% of all pictures taken today are printed.
- 95% of all pictures are stored on computer or shared with friends online.
- But: people still want to print the most important pictures.
- It is about capturing good memories on paper.
- Photo albums, personal calendars, posters, covers and even puzzles.
- They can all be printed with your customer’s pictures.
- These are high-value, high-margin print jobs.
- There are several ways in which you can offer photo print services.

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FASCINATING INSIDE VIEW

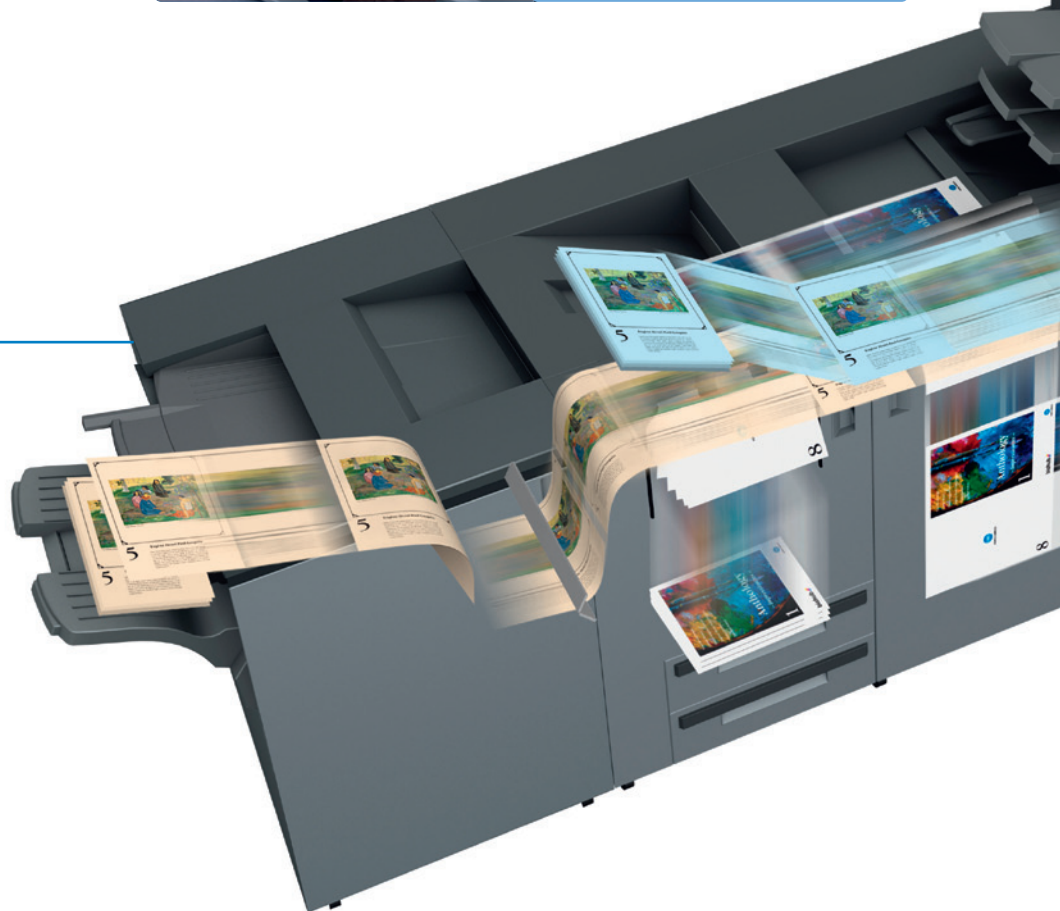


HC TONER

- High Chroma polymerised toner for low temperature fusing and high image quality
- For colours close to sRGB
- For more vividness and saturation in printouts

VARIOUS FINISHING ALTERNATIVES

- Incl. six different folding modes, hole punching, multi (GBC) punching, inline booklet finisher with trimmer, perfect binder



OPTIONAL INTERCOOLER CURL ELIMINATOR

- Decurls uncoated paper, neutralises static electricity and removes heat

CONVEYOR UNIT

- For zig-zag decurling of coated paper; includes colour density sensor for automatic colour adjustment



TOUCH PANEL

- With large, full-colour touch screen; very easy to use

THREE CONTROLLER ALTERNATIVES

- IC-306 external EFI Fiery controller
- IC-307 external CREO colour server
- IC-601 internal Konica Minolta controller



OPTIONAL HEATING UNIT

- To support offset and coated paper

FIVE PAPER SOURCES

- For up to 7,500 sheets
- For up to 300 gsm paper

S.E.A.D.II

- Screen-Enhancing Active Digital Processing, advanced colour processing technology for high quality output



COLOUR PRESS

- Up to 71 ppm A4 colour/b&w
- 1,200 x 1,200 dpi x 8 bit; 1,200 x 3,600 equivalent
- Duplex printing on up to 300 gsm paper





bizhub PRESS C70hc **CONTROLLER**

To satisfy the diverse requirements of the most varied professional printing environments, the bizhub PRESS C70hc can be equipped with three different controllers.

▀ The IC-306 Fiery image controller

The EFI state of the art external Fiery® image controller brings full functions of Fiery System 9 as well as Fiery Driver 4.0 for both Windows and Mac environments. The feature set of the Fiery controller include Command Work-Station 5 interface with sophisticated colour management tools, SeeQuence Suite combines impose, compose and preview in one procedure, variable data printing support, hot folders, job batching, and various ways to speed printing by using available paper, printing samples from a different paper tray, removing unused tab paper and more.

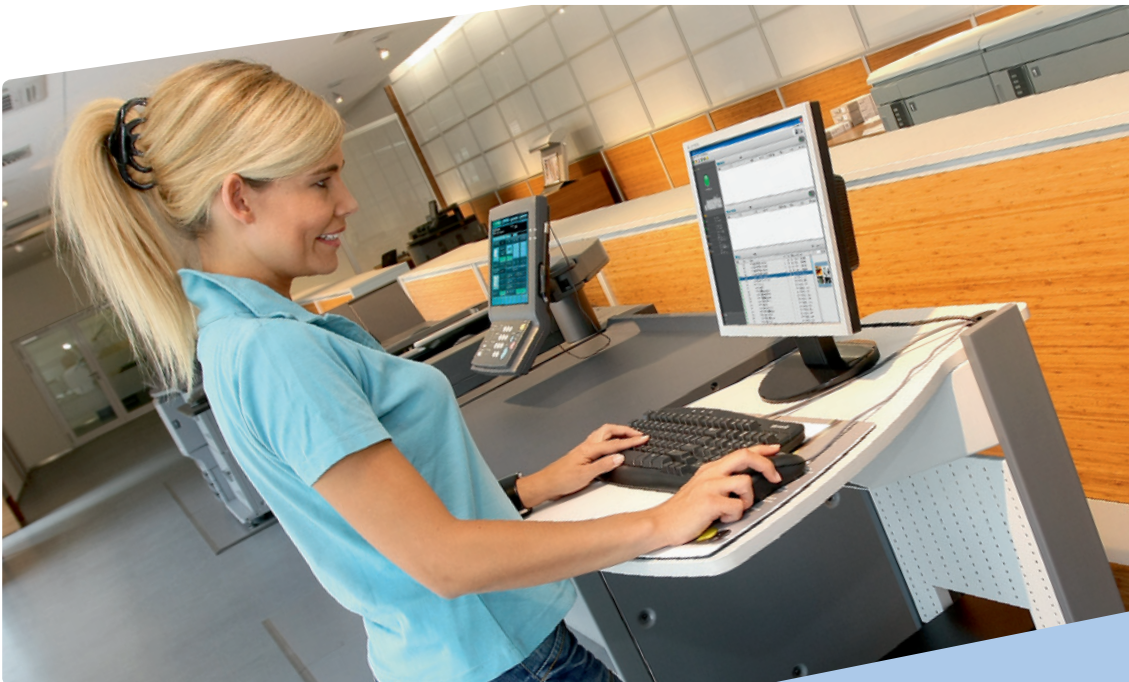
▀ The IC-307 Creo colour server

The Creo® IC-307 external print controller supports perfect variable data printing integration and is the ideal choice for hybrid prepress workflows. In addition the Creo features advanced spot colour profiling, a complete Pantone GOE library, Remote Site Manager status tracking, JDF connectivity, Creo job ticket software and much more.

▀ The IC-601 internal Konica Minolta controller

The Konica Minolta IC-601 custom-designed internal print controller is perfect for the bizhub PRESS C70hc. Developed in-house, it brings powerful workflow benefits within reach of more printing applications – including 1,200 dpi printing at full-rated engine speed, high-speed RIP processing and transfer between control and print engine, enhanced accuracy in CMYK colour reproduction and new colour management functions, job control, editing functions and remote operation capabilities.

The IC-601 also features an optimised profiler – an exclusive mapping algorithm with settings that are fine-tuned to achieve various results: CMYK, similar to offset colour reproduction; RGB Natural, for natural reproduction to match prints from the bizhub PRESS or PRO Colour series; and RGB Vivid, for maximum use of the colour space to emphasise vivid colours.





INIMITABLE VERSATILITY FROM START TO FINISH

Professional finishing of the printed product is an integral part of any production run – with flexibility as the key for success. A comprehensive range of highly versatile finishing equipment facilitates suitable upgrading of Konica Minolta’s digital production printing presses for varied applications and ensures perfect integration into any production environment.

Paper feed unit PF-602

The large capacity paper feed unit PF-602 extends the paper capacity by adding two paper trays with capacities of up to 6,000 sheets and extends the media flexibility from 64 to 300 gsm. This adds flexibility, as it is then possible to feed all paper sizes from all trays. The standard air flow separation improves the feeding capabilities and the optional heating unit removes moisture from all stocks to enhance the output quality.



Two-sided printing/duplex



One-sided printing



Mixmedia white/colour sheets from different trays



Mixplex one-/two-sided during operation



Combined mixplex/mixmedia



Booklet making unit SD-506

The SD-506 is ideal to create saddle stitched and trimmed booklets with heavy covers, and speeds up inline production of the most diverse print products and in-house materials. The SD-506 produces brochures of up to 200 pages (50 sheets), including automatic image shift and trimming, and has an output capacity for up to 50 booklets. For a professional finish, booklets can be combined with heavy covers printed on up to 200 gsm paper. In addition, the SD-506’s multi-letter fold-in and multi-half-fold functionality for up to 5 sheets accelerates the creation of mailings. For print providers being able to offer print products with such attractive enhancements means an interesting diversification and a boost to sales and profits.



Booklet (folding and saddle stitching)



Booklet with cover insertion



Booklet with sheet insertion



Trimming



Multi-letter fold-in



Multi-half-fold



▀ Folding & punching unit FD-503

An 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 preprinted sheets and covers. With the FD-503, compiling even complex, professionally finished documents merely requires a single fully automatic operation, which saves key operators and print providers valuable time that can be used for more important tasks.



Two-hole punching



Four-hole punching



Half-fold



Letter fold-in



Letter fold-out



Gate-fold



Double-parallel-fold



Z-fold



Colour cover insertion



Sheet insertion



▀ Multi (GBC) punching unit GP-501

The multi punching unit 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. Gaining flexibility with the GP-501, print providers find it easy to diversify their portfolio of print products, thus satisfying the varying demands of existing as well as new customers.



Multi punching



▀ Stacking unit LS-505

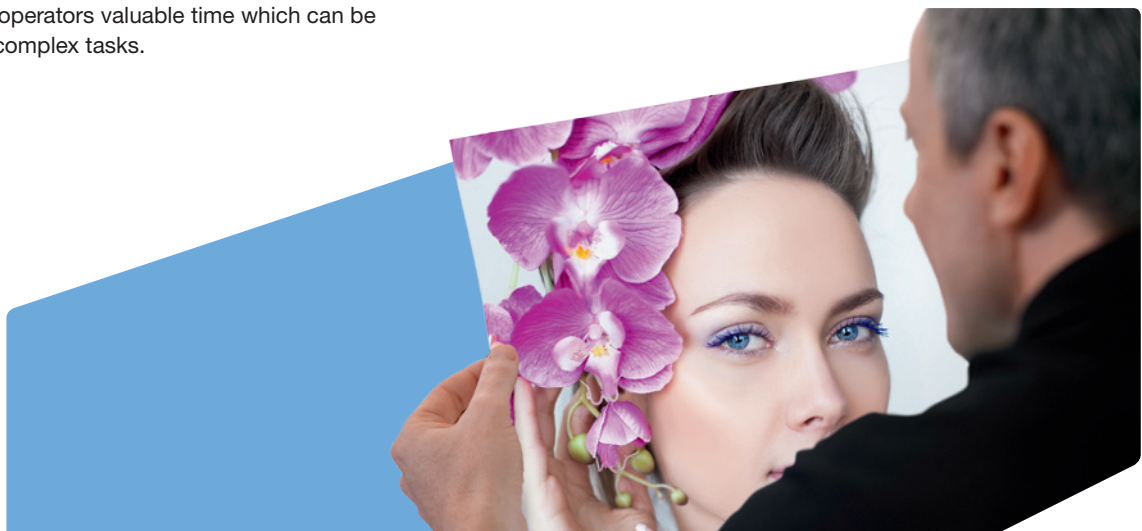
With the large capacity stacking unit, the Konica Minolta bizhub PRESS series are perfectly equipped for easy integration into environments with existing finishing facilities. Up to 5,000 sheets of offset, i.e. shifted, output can also be stacked in the trolley-mounted stacker; with an integrated paper clamp mechanism, transport is always safe. The trolley much enhances flexibility in the print shop: Being able to wheel the prints directly to an offline finishing or enveloping machine without having to let them dry or cool down saves key operators valuable time which can be better used for more complex tasks.



Trolley stacker



Shifted output



Perfect binding unit PB-503

This is the finisher for inline production of all kinds of perfect-bound books. The functionality includes Z-fold insertion and insertion of preprinted colour covers and sheets. Book binding is possible for books with up to 30 mm spine width and includes inline 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. With the PB-503, print providers wanting to surprise their customers with sophisticated bound books that e.g. combine different substrates have found the right solution for such challenging applications. They can offer enhanced flexibility and add attractive variety to their portfolio meeting any customer's needs and increasing orders, turnover and with that profit.



Perfect binding



Perfect binding with Z-fold



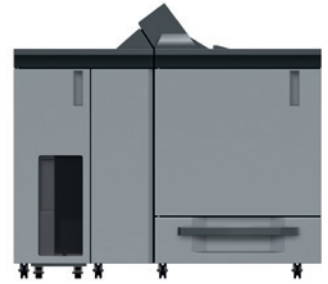
Stacking with trolley for perfect bound books



Perfect binding with cover insertion



Perfect binding with sheet insertion



Stapling unit FS-521

Equipped with the FS-521, the bizhub PRO and PRESS series provide multi-position stapling, making this the perfect basic choice for the production of manuals, reports and other extensive documentation. Stapling of up to 100 sheets is performed with 100% productivity, with staples cut to size. Avoiding time-consuming, extra manual finishing work, this attractive feature gives finished document sets a professional touch and ensures their overall excellent quality. Auto-shift sorting and grouping is also available with the FS-521; and the output capacity is for up to 3,000 sheets.



Corner stapling



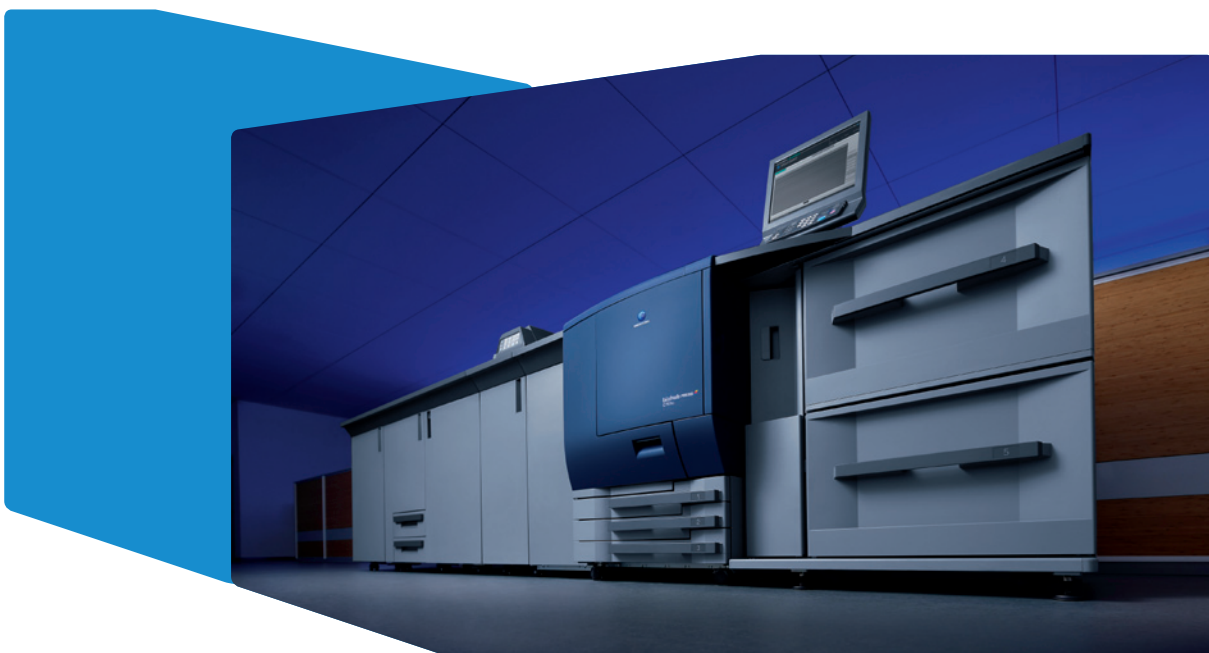
Two-point stapling



Variable staple length



Auto-shift sorting



ALL-ROUND AVAILABILITY

Professional printers simply need dependable hardware and highly reliable printing technology. Which is why reliability was a top priority in the development of the bizhub production printing systems. Its quality of workmanship and robust metal construction guarantee absolutely sound and secure operation. Various tools and system features enhance the all-round usability further:

✦ Toner and paper refill on the fly

Toner and paper refill on the fly largely avoid production interruptions.

✦ Customer Maintenance Support

In addition, Konica Minolta's Customer Maintenance Support (CMS) concept permits the fast and simple exchange of certain system components and working parts by the operator. Print providers welcome being able to solve such minor system problems instantly in-house as this further enhances their flexibility.



✦ CS Remote Care

Via CS Remote Care, Konica Minolta's remote service tool for counter readings, system errors and maintenance requirements of bizhub PRESS and PRO systems can be automatically transmitted to the Konica Minolta service.

This enables early analysis of the system status and preventive maintenance if required, before concrete problems occur. It also helps minimise system downtimes and administrative efforts on user side, saving print providers time and money, helping them keep their sanity, and offering them the benefits of virtually all-round system availability and maximised productivity.

✦ Konica Minolta Color Care

Konica Minolta Color Care is a professional service offering to ensure that – within the scope of the bizhub PRESS and bizhub PRO colour presses – even highest quality demands of the most discerning customers can be satisfied.

With regard to colour quality, Konica Minolta's Color Care tool defines a product-specific standard and includes the guarantee that every Konica Minolta product under the Color Care concept will achieve and maintain the agreed-upon standard. Konica Minolta Color Care comprises a specified installation process, which is carried out according to a compulsory procedure, and which will control and guarantee a predetermined quality standard.



CS Remote Care

Technical specifications

PRINTER SPECIFICATIONS

Print speed A4	Up to 71 ppm
Print speed A3	Up to 38 ppm
Print resolution	1,200 x 1,200 dpi x 8 bit; max.: 1,200 x 3,600 dpi equivalent
Gradations	256 gradations

SYSTEM SPECIFICATIONS

Paper weight	64–256 gsm; up to 300 gsm
Duplex unit	Non-stack type; 64–300 gsm
Paper sizes	A5–A3+ (330 x 487 mm)
Maximum image area	321 x 480 mm
Paper input capacity	Maximum: 7,500 sheets Main unit: up to 1,500 sheets
Paper output capacity	Maximum: 13,600 sheets
Main unit dimensions (W x D x H mm)	760 x 992 x 1,076 mm
Main unit weight	356 kg

CONTROLLER SPECIFICATIONS

IC-306 external EFI Fiery controller

CPU	Intel® Core2 Quad @ 2.66 GHz
RAM	4 GB high-speed memory
HDD	160 GB SATA hard drive
File formats	Adobe PostScript Level 1, 2, 3; Adobe PDF 1.4, 1.5, 1.6, 1.7; PDF/X-1a, 3; EPS (option); TIFF (option); TIFF IT (option); JPEG (option); PPML; Creo VPS compatible; Fiery FreeForm v1/Fiery FreeForm v2.1

IC-307 external Creo controller

CPU	Intel® Core i7 @ 2.8 GHz
RAM	2 GB system memory; 3 GB image memory
HDD	2x 500 GB system disc; 2x 500 GB image disc
File formats	Adobe PostScript 1, 2, 3; Adobe PDF 1.3, 1.4, 1.5, 1.6, 1.7; PDF/X-1a; EPS; TIFF (except for 16 bit tiff); TIFF/IT; JPEG (except for Progressive JPEG and JPEG 2000); CT/LW Creo Variable Print Specification (VPS); PPML

IC-601 internal Konica Minolta controller

CPU	Intel® Core2 Duo @ 2.8 GHz
RAM	4 GB high-speed memory
HDD	2x 250 GB SATA disc space
File formats	Adobe PostScript 3; PCL 5c/6; Native PDF; PDF 1.7; PDF/X-1a; X-3; EPS; TIFF, TIFF/IT; JPEG; PPML

- All specifications refer to A4-size paper of 80 gsm quality.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.
- The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4).
The actual life of each consumable will vary depending on use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.
- 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 any prices or specifications mentioned will be error-free.
- All brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.

ACCESSORIES

Paper feed unit PF-602	Two magazines; paper capacity: up to 6,000 sheets; paper weight: 64–300 gsm (lower tray); standard paper sizes: B4–SRA3; min. paper size: 100 x 148 mm (lower tray); max. paper size: 330 x 487 mm
Folding and punching unit FD-503	Preprinted sheet insertion (PI): two PI trays for 500 sheets each; punching (two and four hole); folding (half-fold, Z-fold, gate-fold, letter fold-in, letter fold-out, double-parallel-fold); sub tray for up to 200 sheets
Multi (GBC) punching unit 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
Booklet making unit SD-506	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 five sheets); multi half-fold (up to five sheets)
Stacking unit LS-505	Up to 5,000 sheets stacking capacity; trolley mounted stacker; auto-shift stacking; sub tray for up to 200 sheets; paper clamp mechanism
Perfect binding unit PB-503	Hot melt glue binding system; integrated one-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; two stacks
Stapling unit FS-521	Stapling of up to 100 sheets; two-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
Humidifier unit HM-102	Humidification decurler

Your Konica Minolta Business Solutions Partner:

