



KONICA MINOLTA

bizhub PRO C70hc

✍ Innovate the future



bizhub PRO 
C70hc

Giving Shape to Ideas

COLOUR PRODUCTION PRINTING SYSTEM



PIONEERING TECHNOLOGY, EXCEPTIONAL COLOURS

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

As a print provider or creative design agency, 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 PRO C70hc. You will almost certainly find that it can do far more for you than you ever thought possible!

NEW OPPORTUNITIES FOR DIGITAL PRINT PRODUCTION

The bizhub PRO C70hc is the perfect partner for efficient digital colour print production. Incorporating new opportunities, outstanding quality, optimum performance and extremely convenient operation, its numerous exceptional features and benefits provide you with an easy and successful track to digital technology.

■ Demonstrate your print expertise

bizhub PRO C70hc is the right solution if you are looking for low investment costs, a smooth entry into new digital 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 PRO 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.

■ 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 PRO C70hc and benefit from the efficiency-enhancing features like a speed of up to 71 ppm in A4 or 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.

■ The highest ease of use

Work is more satisfying with quick and easy user interfaces, user-oriented guidance, and entry-level 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.





bizhub PRO C70hc **TECHNOLOGY**

As a high-tech machine designed for a high-tech world, the bizhub PRO 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 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 PRO 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 PRO 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



OPTIONAL INTERCOOLER CURL ELIMINATOR

- Supports decurling of uncoated paper, neutralises static electricity and removes heat

OPTIONAL CONVEYOR UNIT

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

VARIOUS FINISHING ALTERNATIVES

- Booklet finisher for up to 2,600 sheets output capacity
- Staple finisher for up to 3,100 sheets output capacity
- Stapling for up to 50 sheets
- Booklet creation for up to 20 sheets
- Centre-fold; letter fold-in

OPTIONAL PUNCHKIT AND POST INSERTION

- For two- and four- hole punching
- Post insertion

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





COLOUR ENGINE

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

THREE CONTROLLER ALTERNATIVES

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

TOUCH PANEL

- Very easy to use, full-colour touch screen



OPTIONAL HEATING UNIT

- To support offset and coated paper

BYPASS TRAY

- Up to 250 sheets
- Paper tray for up to 300 gsm paper

OPTIONAL PAPER SOURCES

- Large capacity tray for up to 2,500 sheets
- Paper tray for up to 300 gsm paper
- Paper feed unit PF-602 for up to 6,000 sheets

THREE PAPER TRAYS

- For up to 1,500 sheets of paper



S.E.A.D. II

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



bizhub PRO C70hc CONTROLLER

To satisfy the diverse requirements of the most varied professional printing environments, the bizhub PRO 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 WorkStation 5 interface with sophisticated colour management tools, SeeSequence 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.

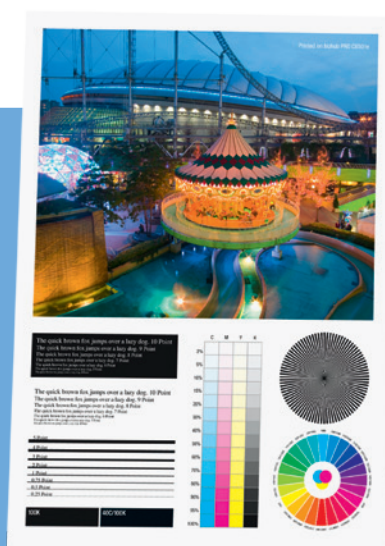
■ The IC-307 Creo colour server

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 PRO 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.

Large capacity tray LU-202

When equipped with the large capacity cassette LU-202, a bizhub digital printer has an upgraded paper capacity of up to 4,250 sheets; is capable of printing on various types of media up to and including SRA3 format (330 x 487 mm); and handles paper weights between from 64 to 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



Paper feed unit PF-602

The large capacity paper feed unit PF-602 extends the total paper capacity up to 6,000 sheets by adding two paper trays, each with a capacity of up to 3,000 sheets; and it extends the media flexibility to between from 64 to 300 gsm. This adds flexibility, as it is then possible to feed all paper sizes from all trays. The standard airflow separation improves the feeding capabilities and the optional heating unit removes moisture from all paper stock 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



Relay unit RU-509

The optional relay unit RU-509 cools prints down for immediate finishing and is equipped with a zig-zag decurler for smooth and straight prints. By adding the optional humidification decurler the performance can be further enhanced.



Stapling unit FS-531

Equipping a bizhub printing system with the FS-531 stapling unit gives print providers a multi-position stapling finisher with the capabilities to produce manuals, reports and other extensive documentation with ease and dependability. This unit provides an output capacity for up to 3,100 sheets; can staple up to 50 sheets; auto-shift sorting and grouping are also available. Additionally, the FS-531 can be upgraded with optional punching and post-insertion.



Corner stapling



Two-point stapling



Auto-shift sorting



Sheet insertion*



Cover insertion*



Two-hole punching*



Four-hole punching*



All-in-one finisher FS-612

The compact alternative for environments where space is limited, this multifunctional finisher offers booklet making for up to 20 sheets (80 pages), two folding functions, i.e. centre-fold and letter fold, as well as optional punching and post insertion of printed sheets. A big benefit of this smart, multitasking option is its space saving design. Print providers no longer need to compromise due to lack of space but can produce professional print products to satisfy all their customers' needs.



Corner stapling



Two-point stapling



Booklet



Half-fold



Letter fold-in



Two-hole punching*



Four-hole punching*



Sheet insertion*



Cover insertion*



* optional





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.



■ 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

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.

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	Max.: 7,500 sheets Main unit: up to 1,500 sheets
Paper output capacity	Max.: 3,100 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
Interface	Ethernet (10/100/1000-Base-T)
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
Interface	Ethernet (10/100/1,000-Base-T)
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
Interface	Ethernet (10/100/1,000-Base-T)
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

Large capacity tray LU-202	One magazine; paper capacity: up to 2,500 sheets; paper weight: 64 to 300 gsm; standard paper sizes: B5–SRA3; min. paper size: 210 x 182 mm; max. paper size: 330 x 487 mm
Bypass tray MB-504	One tray; paper capacity: up to 250 sheets; paper weight: 64 to 300 gsm; standard paper sizes: A6S–SRA3; min. paper size: 100 x 148 mm; max. paper size: 330 x 487 mm
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
Booklet finisher FS-612	Booklet making for up to 20 sheets (80 images); two-point and corner stapling; stapling up to 50 sheets; centre-fold and letter fold-in; auto-shift sorting and grouping; output for up to 2,500 sheets; sub tray for up to 100 sheets
Staple finisher FS-531	Two-point and corner stapling; stapling up to 50 sheets; auto-shift sorting and grouping; output for up to 3,000 sheets; sub tray for up to 100 sheets
Post inserter PI-502 (Option for FS-612/ FS-531)	Preprinted sheet insertion Two PI trays for 200 sheets each
Punch kit PK-512 (Option for FS-612/ FS-531)	Punching (two and four holes selectable)
Punch kit PK-513 (Option for FS-612/ FS-531)	Punching (four holes)

Your Konica Minolta Business Solutions Partner:

