

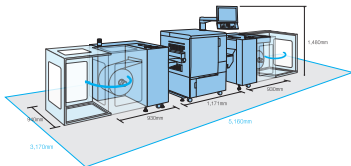
■ Technical specifications

Print method	Dye-sublimation photography
Color support	Full color (CMYK)
Printing resolution / gradation	1200dpi (600dpi equivalent) x 1200dpi / 8bit
Max. printing image size	90 × 120cm at normal mode, 115 × 120cm at banner mode
Paper width	300mm
Printed image width	Max. 300mm (maximum image quality/printable width: 297mm)
Max. encoder / feeder diameter	#500mm
Paper thickness range	0.1 to 250µm
Feeding speed (printing speed)	15.8mm/sec., 12.5mm/sec., 8.45mm/sec. *Speed depends on the paper type (standard speed: 15.5mm/sec.)
Compatible file formats	PS, PDF, AI(PDF compatible), DTF(PTF)
VDP file format	PPML, PPD(ETC)
Printing media	See below for details Paper: Single pass paper, tack paper, PET; Tack: Ink (synthetic paper, PP, PET) Ink: EcoSolve® phase 200 ZPA 600/604
Power requirements	Temperature: 23±3°C, 40% to 80% RH Humidity: 10 to 30%, Humidity: 10 to 80%RH or condensation, Humidity up to 100%RH at 10 to 20°C, if humidity is controlled by dehumidifier, 18 to 22°C, Humidity up to 60%RH
Operating conditions	

■ Details of Media

Media ¹⁾		Non-tack paper	Tack paper (Packing paper only)
Paper	Plain paper	81 to 176gsm	
	Gloss coated paper	81 to 176gsm (single side only)	136 to 266gsm
	Matte coated paper	81 to 176gsm (single side only)	
Film	Synthetic paper (VULPO TM)		136 to 176gsm ²⁾
	PP	-	136 to 176gsm ²⁾
	PET (Stretched type)		136 to 216gsm ²⁾

¹⁾ Incompatible depending on the media. ²⁾ Acrylic glue only. ³⁾ VULPO is a registered trademark of Sumitomo Chemical Co., Ltd.

bizhub PRESS C71cf 

For more information please visit the bizhub Web site at <http://bt.konicaminolta.in/bizhub-press-c71cf/>

Product Appearance, Configuration And/or Specifications Are Subject To Change Without Notice.

Ecology & Environment

KONICA MINOLTA products are designed with the environment in mind.

- Energy Star
- RoHS Compliance
- WEEE Compliance
- Eco-friendly Toners

REQUIREMENTS FOR SAFE USE

- Please read and follow the instruction manual to ensure safe operation.
- Only operate with appropriate power supply and rating.
- Connecting the earth wire in an inappropriate place may cause explosion or electric shock. Please connect accordingly.

For more information: SMS "KM PRESS" send to 52424 or Call: 1-800-266-2525
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bizhub PRESS 
C71cf

Label Printing System



Giving Shape to Ideas

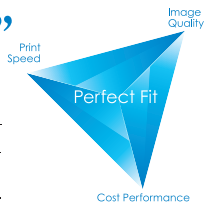
The Debut of Konica Minolta's first

"Perfect Fit"

Label Printer

"bizhub PRESS C71cf" has been created to take center stage on the globally-expanding digital label market.

Adoption of a production printer as the engine, which represents the culmination of cutting-edge technologies amassed by Konica Minolta over a span of many years, bizhub PRESS C71cf contributes to business expansion by perfectly balancing customer needs from the perspectives of quality and cost.



bizhub PRESS C71cf



- High image quality of 1200dpi, close to offset printing
- Productivity at a top class, maximum speed of 13,5m¹/ for tack paper
- Space-economical design with a footprint of 5,0m x 3,0m²
- Ensures facilitation of work during procedures such as maintenance and job changes



*1: Feeding speed needs to be changed depending on the paper type: 15/3, 13/5, 5/450mm.

*2: System size: approx. 1,100mm (D) x 4,000mm (W)

Digital Label Printer matched to Market Needs

The global label market continues to expand by the day with the prospect of further stable growth in the future. The ratio of demand for digital labels is increasing year by year, giving rise to a trend of growing demand for small-lot printing.

Why digitize Label Printing?

As the number of high-mix low-volume print jobs continues to increase, print companies now find themselves in a position where they also need to be able to cope with orders with shorter lead times than with conventional high-volume printing. Printing demands that were difficult to cope with using analogue printers can now be handled efficiently thanks to the flexibility that is one of the advantages of digital printing. The added value that digital printers provides for tasks such as variable and numbering printings enables print companies to realize product differentiation amidst diversifying market needs.



Problems with analog machines

Settings such as color tone adjustments and ink cleaning are required.

- 1 Preparatory time for exchange of printing plate, etc. is necessary for each job.
- 2 A significant amount of roll paper is wasted by tasks such as trial printing.
- 3 Expert knowledge and proficiency are required.

Merits of digital machines

Data is output directly from a PC.

- 1 Preparations involve only tasks such as paper replacement and color tone adjustments.
- 2 Stable output is possible from the very beginning of the print job, minimizing paper waste.
- 3 Tasks such as output instructions and maintenance can also be performed by following on-screen instructions.

"bizhub PRESS C71cf" a digital label printer that offers outstanding productivity, image quality, operability and economy, is a "Perfect Fit" for new market expansion and parallel use with existing analog machines.

Users to whom bizhub PRESS C71cf is recommend

Small to Middle Volume

Small to medium-size label and seal print companies who take on orders for local brand work

Target Applications

Food and beverage products (e.g. event-related goods, souvenirs such as local wines, jams, hams and cheeses), cosmetics, beverages (small lots for events), local household detergents that use packaging film

Applications realized by bizhub PRESS C71cf to meet a wide range of diversifying needs

Gradations
Abundance of gradation expressions to achieve a natural finish.

Photographic image quality
Realization of stable, high image quality by multi-gradation data processing and an expansive color gamut.

Thin-line expression
Thin lines in complex line images are also faithfully reproduced at a high resolution of 1200dpi.

Small-point characters
Small characters are also vividly printed to ensure ease of reading.

Variable printing
Content can be changed for each sheet, effective for lot number changes or creation of original labels, for example.

Barcode printing
Small barcodes can also be printed without blurring. Variable barcodes can also be printed.

Reproduction of skin tones
Roughness of the skin can be expressed to reproduce richly-textured human skin tones.

Solid density
Solid black areas with high image density can be expressed with a suitable glossy appearance.

From sample to production printings in the small to medium-volume label market

Liquors
For locally produced wine, beer, sake, etc.

Beverages
For PET beverage bottles for events, meetings, etc.

Food
For locally produced jams, sausages, hams, cheeses, etc.

Household products
For private brand samples, local brand products, etc.

Industrial Products
For GHS labels for specified chemicals, name plates for limited-quantity products, etc.

Cosmetics
For cosmetics samples, private brand products, local brand products, etc.

Medicines
For medical drugs, prescription drugs, etc.

Label substrates
 • Glossy or matte art paper
 Food (locally produced jams, sausages, etc.), beverages (wine, sake) and sundry goods (event goods, mementos, etc.)
 • YUPO®, PET, PP, etc.
 For cosmetics, medical drugs, industrial products, beverages.

Small to medium volume market

The toners of bizhub PRESS C71cf are in compliance with FDA standards by the evaluation of the authorized organization considering the safety of indirect food packaging label.
 *The FDA standard is stringent safety standards to the potential product that consumers are in contact with food, pharmaceutical and cosmetic by FDA-Food and Drug Administration.

Achieves both High Image Quality and Productivity through

High Image quality and High-precision Printing

- Multi-gradation Data Processing at a high Resolution of 1200dpi x 8bit

High resolution of 1200dpi produces a high-precision finish. Combined with the reproducible capability of digital toner HD*, small characters and fine lines can be printed clearly and color images beautifully output in high gradations.

• 8bit/256-gradation processing

Color and monochrome are processed at a resolution of 1200dpi x 8bit with 256 gradations expressed in 1 pixel.



• "S.E.A.D." - Image Processing Technology to meet Sophisticated Needs

Furnished with an even more evolved "S.E.A.D." - Konica Minolta's unique image processing technology. High-precision image processing is performed in close linkage with the image formation process, achieving a high-dimensional quality of "productivity," "image quality" and "stability" and producing high image quality by taking optimum advantage of the engine characteristics.



POINT Clear Print Quality

Furnished with a precise outline processing function that reduces blurring and streaking to realize high quality even for color or outline characters. Characters on food or ingredients labels, for example that tend to be small, or barcodes can be printed clearly.

Without line-thinning process

With line-thinning process

High Printing Speed

- Realization of production speed 13.5m/min for tack paper

Furnished with the top level speed and stable printing performance in the class, per-minute speeds of 18.8m, 13.5m and 9.45m are selected depending on the paper type. In addition, the fast start-up after switching on the power enables reduction in setup time, enhancing output productivity.



Ex) 8-up labels on A4 sheet → capable to print 10,000 labels/263m in approx. 25min(13.5m/min)

POINT Major Improvement in Production Efficiency

Digital printing requires no plate making, making it possible to improve the efficiency of the integrated flow from file reception to printing. In addition, high flexibility in designing and ease of color control enables to handle reprinting of pre-cut/output labels with speed. The ability to print no more than required volumes when needed also keeps inventory to a minimum.

Outstanding Operability and Maintainability

- Ease of Tasks such as Color Adjustments and Reprinting compared to Analog Machines

Compared not only to flexography, but also liquid development and inkjet printers, bizhub PRESS C71cf ensures ease of maintenance. Tasks that take time on analog machines such as color adjustments can be performed with ease on a digital machine. The ability to perform operations simply by following on-screen instructions makes it possible to operate the machine with little time needed for training.

• Mouse-compatible Operation Panel

The large 15-inch display adopted is easy to view and operate. The angle of the panel can be freely adjusted to suit the user and the easy-to-understand GUI and guide messages ensure high operability when making settings. A USB mouse can also be connected to improve operability.



POINT Compact System Size

Compared not only to analog printers, but also other digital printers of the same standard, the system offers the advantages of compact size. The space-economical design eliminates worries over the place of installation and makes it possible to increase work space.

System size: Approx. 1.1m (D) x Approx. 4.0m (W)
Space occupied: Approx. 3.0m (D) x Approx. 3.0m (W)

our cutting-edge Digital Printing Technologies

High Media Compatibility

- Allows use of labels in various scenes

Furnished with newly-developed digital toner HD* to further improve image quality and energy-saving performance. The 3-dimensional hybrid structure that incorporates functional polymers provides high contouring performance for all types of media, enabling realization of ideal natural textures. In addition, fixation at lower temperatures contributes to major reductions in power consumption.

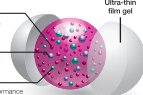


• Tone particles with a 3-dimensional hybrid structure

Colorant
Improved red-gamut color reproduction and color-fading resistance. In addition, improved granularity enhances half-tone and skin tone quality.

Functional polymer
Produces high image quality, improves energy-saving performance and enables high-speed processing.

Sharpset wax
Contributes to high image quality and improved energy-saving performance



POINT Fixing capability with high reliability

Thanks to digital toner HD* and Konica Minolta's low temperature fixation technology, bizhub PRESS C71cf is compatible with a wide range of media including not only ordinary and matte paper, but also glossy paper, tack paper and film essential for label production. The user can not only select the ideal media to match applications but also print labels without the need for preprocessing. *Some media types are incompatible.

Continuous Banner Size Printing

- Capable of continuous printing of a maximum size of 1,195 x 320mm

The system is capable of continuous printing of sizes of a maximum length of 1,195mm and width of 320mm. The advantages of printing 1,195mm lengths enable not only printing of long panels, but also efficient imposition and printing of labels of differing sizes, realizing effective use of paper.



POINT Wider print application thanks to the banner print capability

As well as store decoration and floor POP displays, the system can be used for long posters, signboards and an extensive range of other applications. The ability to offer promotional proposals with media sizes combined with labels also contributes to business expansion.

No need for printing plate

- Provides flexibility for high-mix low-volume jobs at low cost

bizhub PRESS C71cf requires no plate that is essential for analog label printing machines and achieves reduction of paper waste generated during trial printing due to stable and precise output from the beginning of print job. In addition, reduction in labor cost thanks to a digital work flow realizes reduction in production cost compared to analog label printing machines for small-to-medium lots.

Compared to analog machines ...

No plate making
Items such as film, plates and chemicals are unnecessary.

Major reduction in paper waste
Reduction of paper use in volume.

Cost reductions

POINT Reduction in Total Time

High-mix jobs such as printing information including items and control numbers on chemical product labels, for example. With analog machines, plates need to be changed frequently, resulting in reduced operating ratio and restricting the number of items produced. Digital machines, on the other hand, allow frequent job switchover, offer reduced work time and enhance the ability to meet required delivery time.

• Comparison of Work Time in Analog and Digital Machines

Machine Type	Preparation	Printing	Changeover	Post-processing	Total Time
Analog Machine	10	10	10	10	40
Digital Machine	10	10	10	10	40

Reduction in total time by 10% (Analog vs. Digital)

Setting: 100 printing