



KONICA MINOLTA

MINIMISE ALL. MAXIMISE ALL.

bizhub PRESS 
C1070/C1060



Giving Shape to Ideas

The New Road for Digital Press Begins Here

“Harmonising with offset printing.” Konica Minolta believes that this is precisely what digital press has to do to move forward. Moreover, digital press must strengthen its capabilities. The all-new bizhub PRESS C1070/C1060 were designed from the ground up to meet these goals. The engine and paper conveyance path are completely redesigned, and most importantly, media handling and productivity are now better than ever. And genuine Konica Minolta technologies including Simitri toner and the image processing system are further refined to achieve high image quality that rivals offset printing. The bizhub PRESS C1070 series – maximising digital printing with higher scale state-of-the-art performance.

Harmonics Concept

Konica Minolta’s concept for “mutual coexistence with the offset business,” “expanding the range of application orders” and “accomplishing a wider range of printing missions.” The answer is the “Multi-Role Digital Press.”



bizhub PRESS

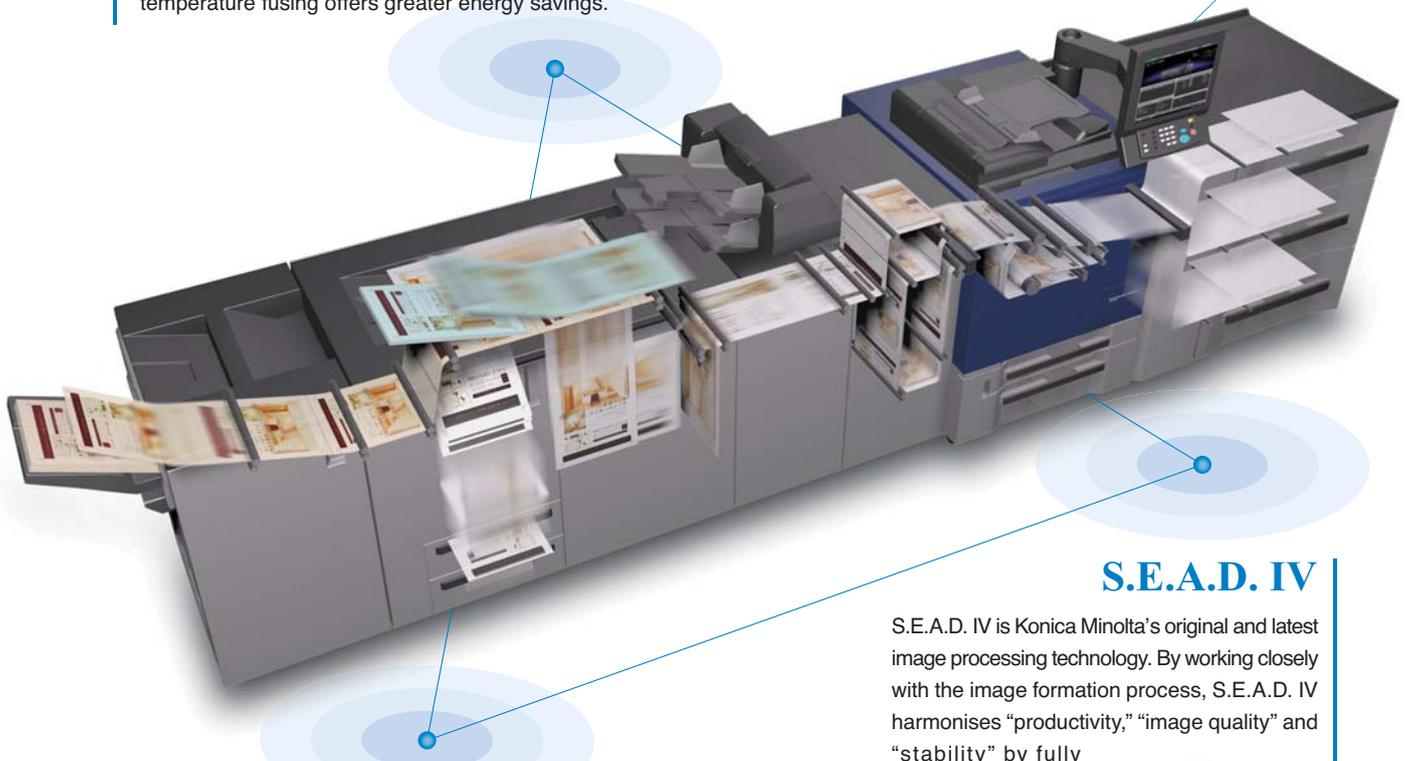
C1070/C1060

Simitri HD^E Toner

New Simitri HD^E digital toner takes image quality and energy savings to the next level. Using a three-dimensional hybrid structure containing functional polymer, the toner offers a high follow-up for almost any type of media, achieving the optimal and most natural textures. And lower temperature fusing offers greater energy savings.

All-New System

New technologies that meet the demands of professionals.



Outstanding media handling

A redesigned paper conveyance path delivers surer and more stable productivity as well as greater reliability from the paper feeding section to the fusing section right through to the finishing route. And with the capability to handle a wider range of media, the bizhub PRESS C1070 series provides support beyond the realms of conventional digital printing.

S.E.A.D. IV

S.E.A.D. IV is Konica Minolta’s original and latest image processing technology. By working closely with the image formation process, S.E.A.D. IV harmonises “productivity,” “image quality” and “stability” by fully leveraging the functions of the C1070 series to process images with pinpoint accuracy.



Bringing new possibilities to the digital printing business That's the Multi-Role Digital Press

“Value” that meets expectations



Delivering value through just-as-anticipated finishes with stable quality.



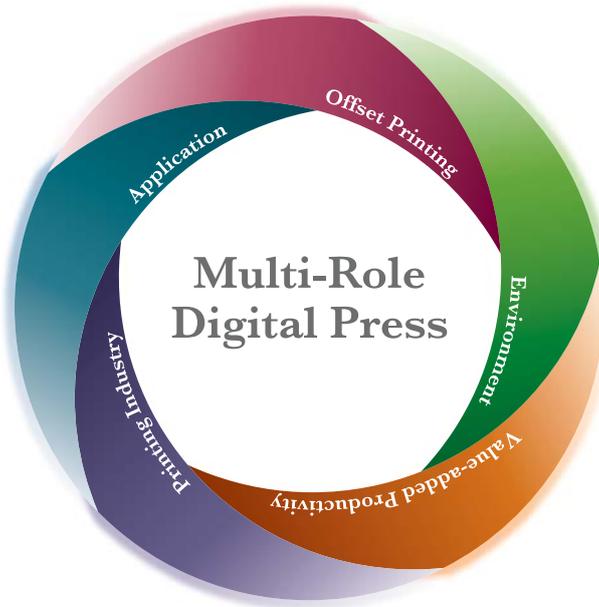
“Handle more” at higher standards

Take on more orders, handle more media.



“Control” jobs more smoothly

Boosting confidence by meeting printing industry standards.



“Sustainable” for the environment

A thoroughly environmentally sustainable design because it's a production machine.



“Accomplish” more

Value-added productivity, all for profitability.



* The photos of the bizhub PRESS C1070/C1060 on the cover and this page are shown with options.

High quality
High precision
High stability

“Value” that meets expectations

High image quality and precision that rival offset printing.
Empower your business with finishes beyond your imagination.

High Quality

The thorough pursuit for offset quality

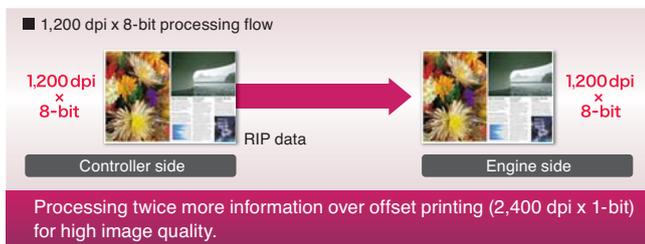
High resolution technology for beautiful reproductions

1,200 dpi x 8-bit high quality & precision

Reproduce minute text and thin lines clearly as well as rich colour gradations even for colour images through synergy with 1,200 x 1,200 dpi high-resolution printing and Simitri HD^F toner.

256-step 8-bit processing controller and engine

Eight-bit multi-gradation data processing flow for each colour displays 256-step gradations within a single pixel. Both colour and monochrome data can be processed in 1200 dpi x 8-bit resolution.



Optimise print quality according to the output material

New FM screen processing

FM (Frequency Modulation) screen processing fully leverages the C1070 series' 1,200 dpi resolution. Improved 1,200 dpi FM screens with enhanced resolution and granularity eliminate jaggedness and moiré for smoother reproductions. In addition, the optimal screen processing can also be selected to match the quality required for the output based on the dots and lines.

Differences in screen processing



Dot190 (default)



Screen (FM1)

Print resolution
1,200dpi
X
1,200dpi

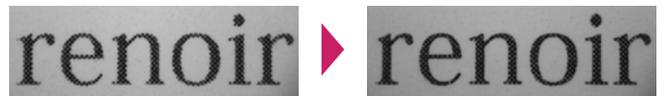
Multi-gradation data processing
1,200dpi X 8-bit

Outline processing for clearer texts

Precise outline processing

High precision outline processing practically eliminates blurs and raggedness of lines, normally associated with digital printing, to reproduce text details in higher definition. Quality is even improved for outputs that combine coloured text with thin lines and sharp outlines.

Text reproduction with outline processing on/off



Outline processing OFF

Outline processing ON



Thinning processing OFF

Thinning processing ON



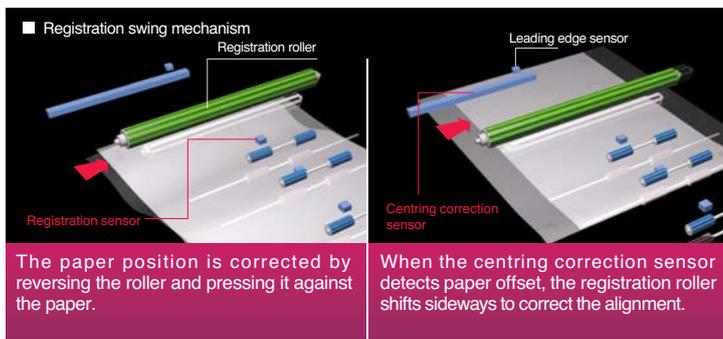
High Precision

Take duplex printing, folding, and trimming to the next level

Enhance print position accuracy

Higher print position accuracy

The newly developed registration swing mechanism is standard-equipped with a centring detection sensor on the registration portion of the engine to provide high-precision centring correction.



QR code for more information

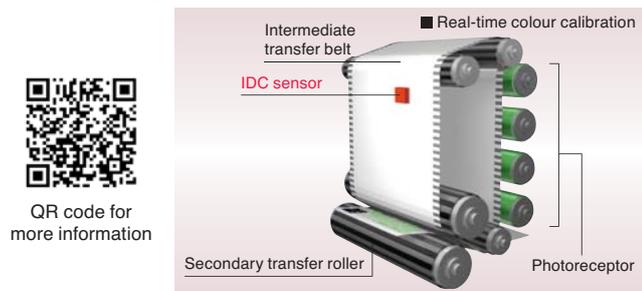
Stability

Consistent and stable outputs from the first print to the last

Further improved colour reproduction stability

Real-time colour calibration

This function controls image stability in short intervals during continuous printing by detecting density correction patches on the intermediate transfer belt and dot diameter correction patches with the IDC sensor, providing stable high quality outputs for a wide range of densities. (Operates only when the Stabilization Adj Operation Setting is set at "Stability")

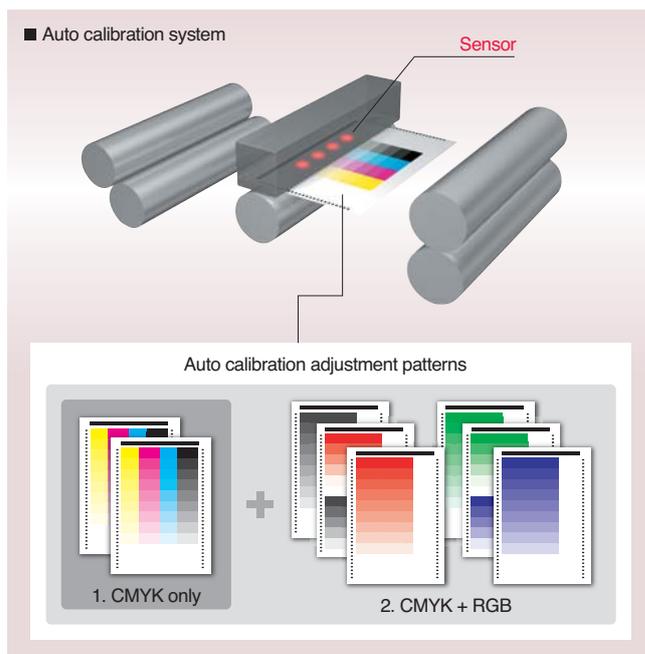


Konica Minolta's proven auto calibration system

Enhanced colour density adjustment function with Relay Unit RU-509

Correct the gradation density to match the characteristics of the output paper. Auto calibration offers up to 15 correction values according to paper or screen type. In addition, a mode that measures RGB as well as CMYK for the target colour further enhances accuracy.

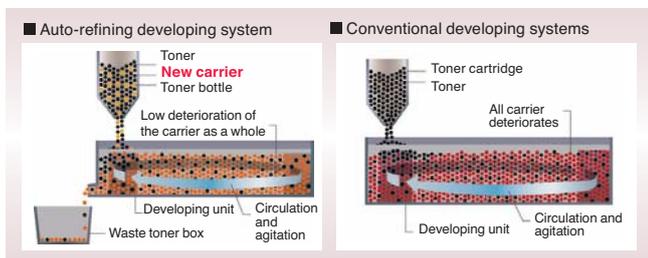
* Optional. Equipped in RU-509



Stable developer performance. Stable image quality

Auto-refining developing system

Adopted for all four colours, auto-refining developing delivers stabilised high quality even for full colour images. New carrier along with the toner is regularly supplied to refresh the developer, stabilising the developer condition to maintain high quality outputs over the long term. Its longer life also helps to minimise downtime.



Greater
Media
Handling

“Handle more” at higher standards

Expand the range of orders with higher productivity and diverse media handling. Create new business opportunities with a wider range of applications.

High Productivity Flexibility to deliver with speed

Quick turnaround

High productivity at 71 pages per minute

At 71 ppm*1 for the C1070 and 61 ppm*1 for the C1060 in both colour and monochrome, the C1070 series boosts productivity to meet large orders with ease. And with 38 ppm*2 productivity for A3 size outputs, booklets and imposition data can also be processed right away.

*1 A4 crosswise using 62 to 176 g/m² paper. *2 Using 62 to 176 g/m² paper for C1070.

Enhanced thick paper productivity

Equal speed productivity for 62 to 176 g/m² paper

Productivity is now even more efficient, whether using normal paper or coated, and for simplex or duplex printing, thanks to the improved fusing unit and process control. The C1070 series maintains high-speed outputs of 71 ppm* for paper up to 176 g/m², boosting productivity even for mixed media.

* A4 crosswise for C1070. 61 ppm for C1060.

C1070

A4 71 ppm
A3 38 ppm

C1060

A4 61 ppm
A3 33 ppm

Supported paper weights

Max. 300 g/m²

High capacity plus high efficiency paper feeding maximise uptime

Max. 7,500-sheet paper feeding capacity

In addition to the 1,500-sheet capacity main unit trays, three types of paper feeding units are available for a maximum capacity of 7,500 sheets. Paper can be replenished on the fly to minimise downtime and maximise productivity regardless of the printing volume. A Multi-bypass Unit (MB-506) is also available for manual paper feeding.

* Multi-bypass Unit (MB-506) can be used with the Paper Feeder Unit (PF-707 or PF-602m) removed.

* Using 80 g/m² paper for all units.



3-level Paper Feeder Unit (PF-707)
Top/Centre levels:
1,390 sheets each
Bottom level:
1,850 sheets
= 4,630 sheets



Large Capacity Unit (LU-202)
2,500 sheets



2-level Paper Feeder Unit (PF-602m)
3,000 sheets x 2 levels
= 6,000 sheets



Multi-bypass Unit (MB-506)
250 sheets

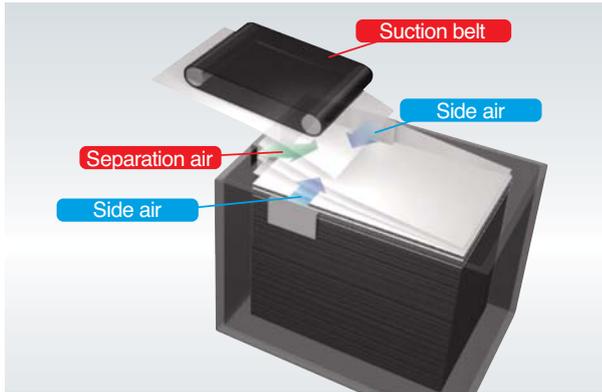


Main Unit Trays
Top level: 500 sheets
Bottom level: 1,000 sheets
= 1,500 sheets

Stabilised paper conveyance

Air suction belt paper feed system (PF-707)*

The newly developed Suction Feeder PF-707, which was previously only supported for mid-production models, is now available for the bizhub PRESS C1070 series. The air assist function blows air from the sides and front to raise each sheet of paper to stick on the suction belt for conveyance, realising stable and damage-free paper feeding, even for thick and coated sheets. * Optional



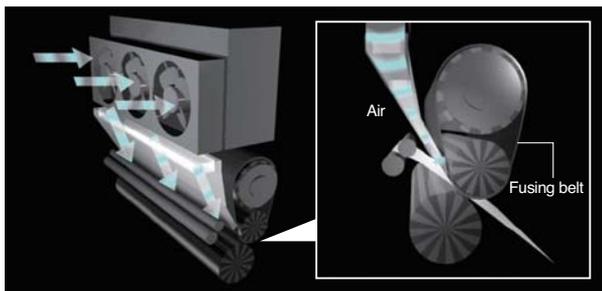
Suction type paper feeding advantages

- Prevents mis-feeding as it is less affected by paper dust.
- Long maintenance cycle for shorter downtime.

Reliable thin paper conveyance

Air blow fusing separation mechanism

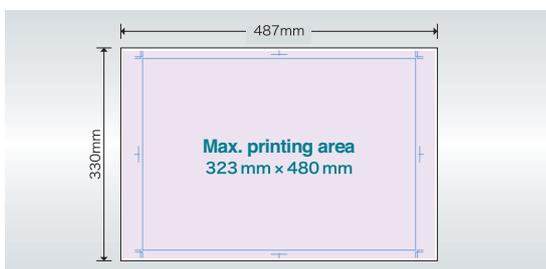
Air is blown to the area around the fusing nip to prevent the paper from winding around the roller. This also increases conveyance performance, greatly enhancing separation performance for thin sheets of paper. Air volume can be set automatically or manually according to paper type.



Cover the entire page

A3 full-bleed printing

The main unit's Tray 2 and all optional trays can accommodate custom sized paper up to 330 x 487 mm for a maximum printing area of 323 x 480 mm, allowing full-bleed A3-size printing with registration marks, as well as A4 size imposition printing with registration marks.



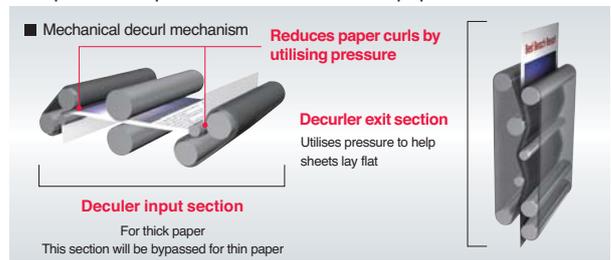
Eliminate paper curls and static

Hybrid decurler*

Create a hybrid curl correction system to prevent paper curls by combining the Relay Unit (RU-509), which employs a mechanical decurler, with the optional Humidifier Kit (HM-102). Paper curls can be optimally removed according to paper type, such as the mechanical decurler for coated sheets and the humidifying curler for non-coated sheets. The decurl amount can be adjusted manually, and responds flexibly to the changes in conditions. * Optional

Mechanical decurler

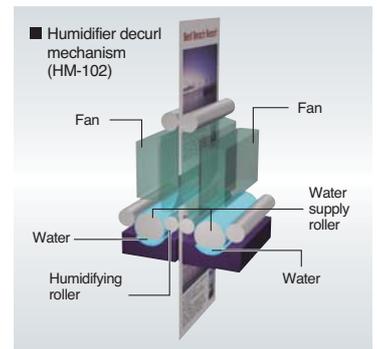
Standard equipped Relay Unit (RU-509) employs a zigzag paper passage that reduces paper curls. Decurling strength can be adjusted in five steps for the optimal curl removal for thin paper to cardstock.



Humidifier type decurler*

In addition to removing curls using humidification for uncoated paper, HM-102 controls paper absorption by removing heat and minimising static electricity.

* With optional Relay Unit (RU-509) and Humidifier Kit (HM-102) installed.



Create new business with postcard printing

Postcard printing*

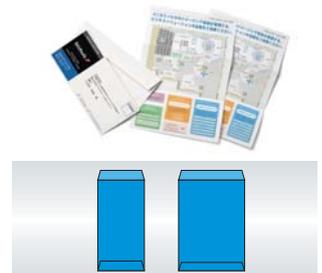
Install the required options for high-volume postcard-size printing including direct mailings and invitations. Use with variable printing to create new business opportunities.

* With optional Paper Feeder Unit (PF-707/PF-602m) or Multi-bypass Unit (MB-506) installed.

For high-on-demand envelope printing

Envelope printing*

Expand your business opportunities by taking on new orders. The Envelope Fuser Unit (EF-103) supports printing for 100 x 148 mm to 248 x 375 mm envelopes. The optimally designed fusing roller almost eliminates wrinkles and ruffling, and the suction type paper feeder unit ensures pickup and conveyance from start to finish.



* Supported with optional Paper Feeder Unit (PF-707).

* Envelope Fusing Unit must be installed by the customer. Please contact your local Konica Minolta service provider for information regarding applicable envelope types.

"Control" jobs more smoothly

Advanced colour management that meets printing industry standard.
High-level colour management on par with offset printing.

Proven colour management with high affinity with the engine

Konica Minolta Image Controller (IC-602) * Optional

Professional image quality

IC-602 employs Konica Minolta's proprietary colour management developed especially for commercial printing.

APPE 2*

Adobe's original APPE 2.6 (Adobe PDF Print Engine 2.6) directly processes PDF files without having to access a printer driver for a proper transparent effect.

* Supported only when upgrading.

Control panel job management and editing

Manage jobs, edit job tickets and pages with outstandingly intuitive and efficient operations. Furthermore, tone curves can be adjusted using the same operations as Color Centro.



Job ticket editing screen

Change detailed output settings including paper type and number of copies.



Page editing screen

Change the configuration and paper settings of insertion pages, and confirm details with the preview display.

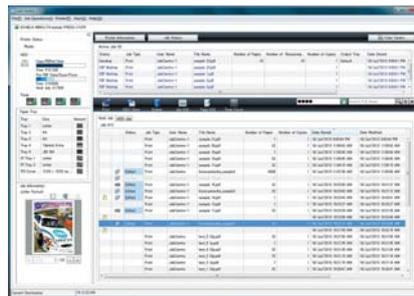


Tone curve adjustment screen

Tone curves can be adjusted from the main unit's control panel using the same operations as Color Centro.

Job Centro (job management utility)

Manage jobs from the PC's interface. The screen includes indicators and thumbnails to make operation more efficient.

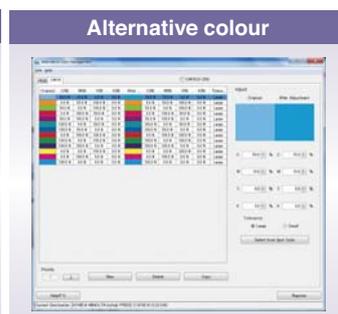
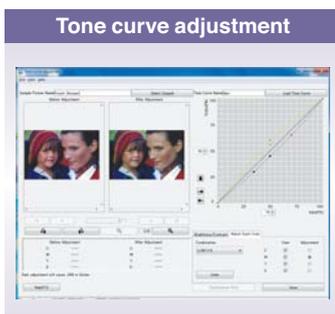


Job management screen



Color Centro (colour management utility)

Create colour profiles and set and edit various colours with this ingenious colour management software.

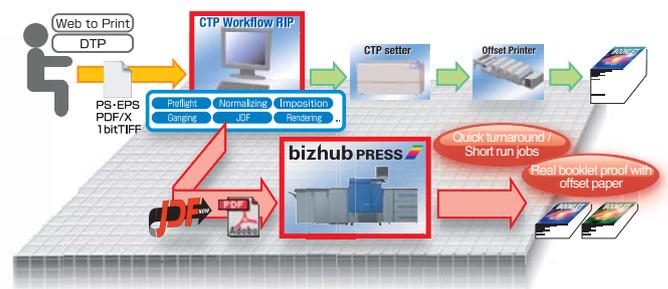


This function replaces a specific input colour value with an alternative colour value.

CTP workflow RIP connectivity

CTP workflow connectivity with bizhub PRESS is realised via JDF.

CTP Workflow Integration with bizhub PRESS



Multi-functional controller with proven interface, imposition and more

Fiery Image Controller (IC-308) * Optional

Fiery Image Controller (IC-415) * Optional

High-speed processing & high image quality

Achieve high-speed processing with 1,200 dpi x 8-bit ripping and a 71 ppm (A4 crosswise) print engine. In addition, a wide choice of colour profiles lets you manage colours the way you want.

Variable printing (IC-308) (IC-415)

Variable printing, including Fiery FreeForm, PPML* are supported, making impositions easier for more efficient processing.

* PPML only available for IC-308

APPE 2 (IC-308)

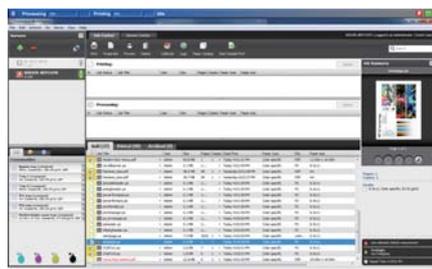
The new rendering engine APPE 2.5 (Adobe PDF Print Engine 2.5) offers transparent effect processing of PDF files as standard.



Command WorkStation 5 (IC-308) (IC-415)

Manage jobs effectively with both the Job Centre and Device Centre screens from your PC.

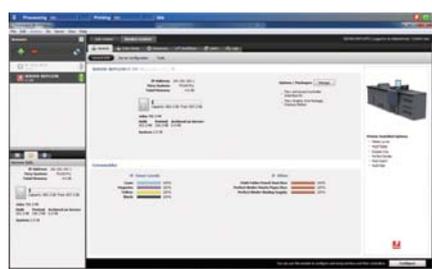
Job Centre



Integrating all job management functions

- Direct drag & drop operations
- Grasp job and server information on the same screen
- Customisable tool bar to match usage functions
- Full-screen job preview before and after RIP processing

Device Centre



Aggregating server setting functions in a single screen

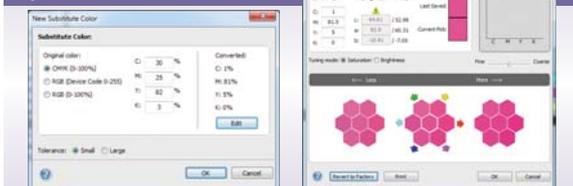
- Universal profile simulation settings using intuitive colour setting tools
- Paper catalogue for tray settings from either the device or controller
- Efficient job log management function

Colour management (IC-308) (IC-415)

Performs colour management for CMYK, RGB, spot colours and more, regardless of the application or file format for conducting colour management according to purpose, such as for proofing or the production of the final product.



Spot-on/Alternative colour

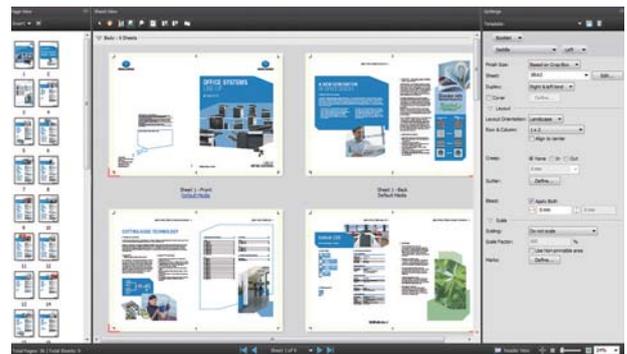


Additional apps for printing operations

* Optional

SeeSequence Impose (IC-308) (IC-415)

Create impositions of print jobs for variable data, in addition to business cards and saddle-stitched booklets. Also available for Mac OS.

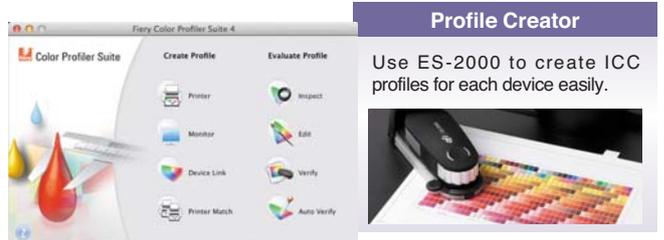


Graphic Arts Package, Premium Edition (IC-308)

Includes data checking functions such as Image Viewer, Preflight and Postflight, a colour correction function, halftone screen function for changing halftone angles, shapes, the number of lines, and more.

EFI Color Profiler Suite (IC-308) (IC-415)

Create, edit and manage the quality of the ICC profile required for colour management.



Profile Editor

Edit ICC profiles such as sharpness, contrast, grey adjustments and neutral point adjustments while viewing their details on the screen.



Value-added
Productivity

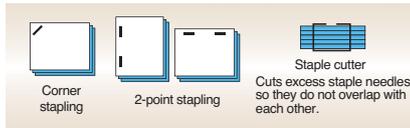
“Accomplish” more

Improve profitability by maintaining high value-added productivity. Expand with the same options used in the higher end devices for a sophisticated yet compact system.

All-in-one finisher (FS-532) * Optional

FS-532 stapling finisher with staple cutter provides stapling for up to 100 sheets*¹ for beautiful finishes regardless of the number of sheets through enhanced paper output consistency and a refined paper path. And a choice of three sub-options can be fitted to expand the system when required.

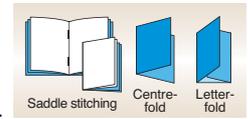
*1 Stapling for up to 50 sheets for A3 paper.



Expand

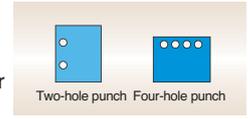
Saddle stitcher (SD-510)

Use for saddle stitching, multi-letter-fold and centre-fold.



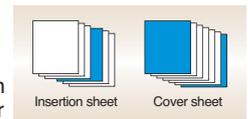
Punch Kit (PK-522)

Two- to four-hole punching for paper up to 300 g/m².



Post Inserter* (PI-502)

Add cover sheets and insertion sheets. Includes settings for two types of paper.

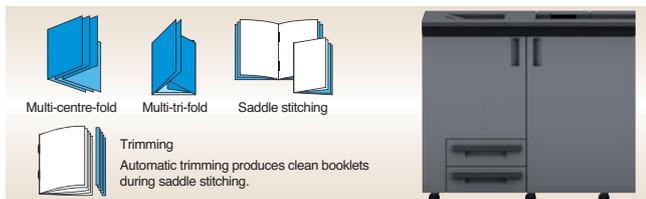


* Mount Kit (MK-732) required for installation.

* Some options may not be installed, depending on the combination of the options.

Saddle Stitcher (SD-506) * Optional

Effective for manuals and catalogues in small lots, SD-506 creates booklets of up to 50 sheets (200 pages). And the saddle-stitching system increases folding strength and accuracy, reducing paper offset during binding. In addition to multi-centre-fold and multi-tri-fold, a trimming function for creating clean-cut booklets is standard equipped to streamline post-processing tasks including bookbinding.



Perfect Binder (PB-503) * Optional

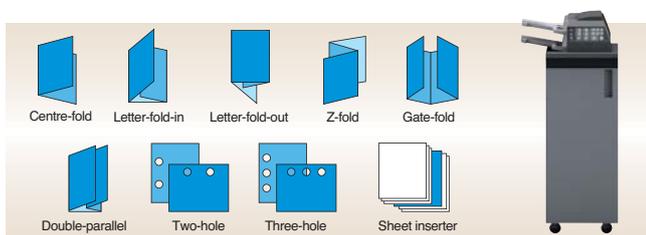
Perfectly binds up to 300 sheets (600 pages) or up to 30 mm thick. Cardstock up to 216 g/m²* can be used for the cover, and inline printing and gluing is also available. Advanced paper alignment realises clean binding that eliminates three-way trimming, along with high productivity. In addition, books are automatically loaded onto the cart when finished.

* Max. 91 g/m² for the inner pages when using a cover.



Multi-folding unit (FD-503) * Optional

FD-503 provides a variety of folding functions, including centre-fold, letter-fold-in, letter-fold-out, double-parallel, Z-fold and gate-fold for creating materials such as direct mailings, as well as two or three-hole punching. A paper inserter for setting two types of paper is also equipped.

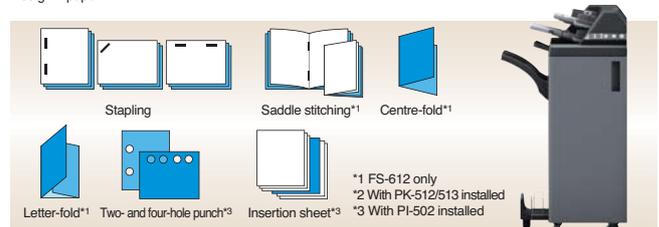


Stapling Finishers (FS-531/FS-612) * Optional

Ideal for producing marketing collateral and corporate documents, these compact units staple up to 50 sheets* of paper and can be expanded with the optional PK-512/513 Punch Kit and/or PI-502 Post Inserter. FS-612 also offers centre and letter folding capabilities and saddle stitches up to 20 sheets* for producing 80-page booklets.

Note: The number of punch holes may vary depending on the market.

* 80 g/m² paper



Large capacity stacker (LS-505) * Optional

The LS-505 is designed to streamline operations with a capacity for 5,000 sheets and includes a cart. Up to two units can be installed side-by-side for a total capacity of 10,000 sheets, and finished documents can be taken out with the cart for easy transport to the next step. A sample ejection function allows quality checking to be made during large volume printing.



Usability

Mouse-supported control panel

Easy to see and operate, the 15-inch large screen display allows the display angle to be adjusted to match the user, and ensures outstanding operability with the user-friendly GUI and guide messages, even for various settings. A USB mouse can also be connected to ease operability.



Low
Environmental
Impact

“Sustainable” for the environment

Green insights and ingenuity for more sustainable specifications.
Focusing on social contribution, indispensable for today’s business.

Compact, lightweight with fewer parts

The bizhub C1070/C1060 are 17.5 percent* lighter and use fewer parts, yet still remain highly robust. CO₂ emissions have been reduced during production and transportation, and they help reduce environmental impact and conserve resources throughout their lifecycles.

* Compared to previous C7000.

Environmentally considerate materials

The C1070 series uses a high combination of recycled resins and bioplastics. Resources are effectively used and environmentally considerate materials are actively employed. A lead-free shaft is also adopted to protect the environment as well as the user’s health.

Energy-saving design

In addition to the energy-saving performance targeted by Simitri HD[®] toner, an optimised transfer process reduces fusing temperatures by about 20 degrees to reduce energy use.

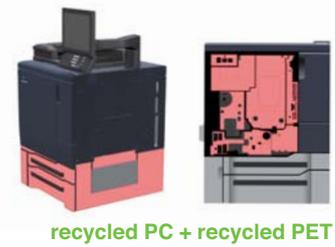
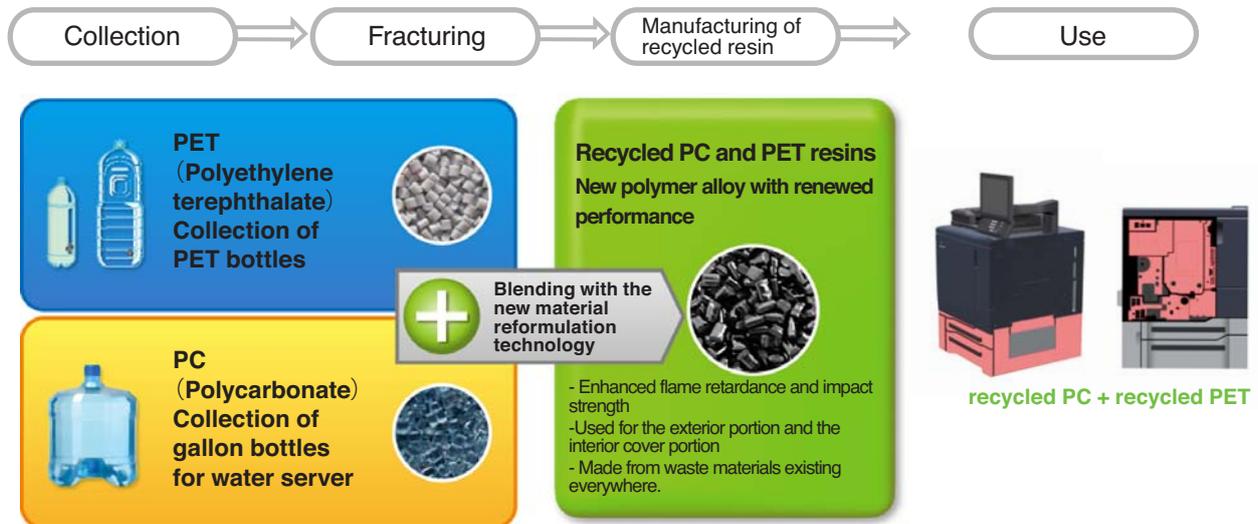
Meeting ecological and environmental demands

KONICA MINOLTA products are designed with the environment in mind.

- Energy Star Certified
- RoHS Compliance
- WEEE Compliance
- Eco-friendly Toners
- Production at ISO Certified Factories

Environmentally considerate resource utilisation

Plant-based bioplastic and recycled polycarbonate/PET are proactively used for the main unit to reduce impact on the environment.



■ bizhub PRESS C1070/C1060 General Specifications

		bizhub PRESS C1070		bizhub PRESS C1060	
Type				Console type	
Colour Support				Full Colour	
Resolution	Scan			600 dpi x 600 dpi	
	Print			1,200 dpi (Equivalent to 3,600 dpi) x 1,200 dpi	
Gradation				8-bit / 256 gradation	
CPU		Core i5 2400 3.1 Ghz		Pentium G850 2.9 Ghz	
Memory				6 GB	
HDD				1.5 TB	
Original Type				Sheet, Book, Solid object	
Max. Original Size				A3 or 11x17	
Max. Printing Area				323 mm x 480 mm	
Paper Size (S: Short Edge Feed <input type="checkbox"/>)		Standard: SRA3, A3, B4, SRA4, A4, B5, A5, 13x19, 12x18, 11x17, 9x11, 8 1/2x14, 8 1/2x11, 5 1/2x8 1/2S Tab paper (A4, 8 1/2x11)			
		Multi-bypass (Option): SRA3, SRA4, A3, B4, A4, B5, A5, B5S, 13x19, 12x18, 11x17, 8 1/2x11, Postcard Max. 330 mm x 487 mm, Min. 100 mm x 148 mm			
Image Loss		Max. 4.0 mm or less for top edge, Max. 4.5 mm or less for bottom edge, Max. 3.0 mm or less for right / left edges			
Warm-Up Time				390 seconds or less	
First Copy Out Time	Colour	7.1 seconds or less (A4*, 8 1/2x11)		7.6 seconds or less (A4*, 8 1/2x11)	
	Black and White	5.9 seconds or less (A4*, 8 1/2x11)		6.3 seconds or less (A4*, 8 1/2x11)	
Continuous Copy Speed (Colour / Black and White)*2		71 sheets/min. (A4)		61 sheets/min. (A4)	
		38 sheets/min. (A3)		33 sheets/min. (A3)	
Copy Magnification	Fixed Magnification	Inch: x 1.000, x 2.000, x 1.545, x 1.294, x 1.214, x 0.785, x 0.772, x 0.647, x 0.500 Metric: x 1.000, x 2.000, x 1.414, x 1.189, x 0.840, x 0.707, x 0.500 x 0.250 to x 4.000 (Each 0.001 step)			
	Zoom Magnification				
Tray Capacity		Standard: 1,500 sheets (80 g/m ²) Option: Multi-bypass, 250 sheets (80 g/m ²)			
Paper Weight		62 g/m ² to 300 g/m ² (Limitations to paper types apply) Main Unit: 62 g/m ² to 216 g/m ² Multi-bypass, PF-707, PF-602m, LU-202: 62 g/m ² to 300 g/m ²			
Continuous Copy Count		Up to 9,999 sheets			
Auto Duplex		SRA3, SRA4, A3, B4, A4, B5, A5, B6S, A6S, 13x19, 12x18, 11x17, 9x11, 8 1/2x14, 8 1/2x11, 5 1/2x8 1/2S, Postcard Max. 330 mm x 487 mm, Min. 100 mm x 148 mm Paper Weight: 62 g/m ² to 300 g/m ²			
Power Source		Inch: AC208 to 240V 21A 60 Hz Metric: AC220 to 240V 20A, 50 Hz / 60 Hz			
Power Consumption		Inch: 4,900W or less (Main body only) Metric: 4,700W or less (Main body only)			
Dimensions [W] x [D] x [H]		760 mm*3 x 903 mm*4 x 1,073 mm*5			
Weight		29.92**3 x 35.55**4 x 42.24**5 (Main body + Original Cover) Approximately 291 kg / 641 lb (Main body only)			

*1 A4 crosswise full size / using the first tray / scanning from the original glass surface.

*2 Printing speed may vary according to the paper weight.

*3 Excluding the control panel, output tray, work table.

*4 Including the rear duct.

*5 Height to the top of the original cover excluding the control panel.

bizhub PRESS C1070/C1060



Model shown is C1070/C1060 with options.



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For more information please visit the bizhub Web site at

http://www.biz.konicaminolta.com/production/c1070_c1060/index.html



Product appearance, configuration and/or specifications are subject to change without notice.
This product is not available for some countries or regions.



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ISO15408 (EAL Level 3) Certification (Currently under application)

These products comply with the security requirements of ISO15408 (EAL Level 3).

* The ISO 15408 certification applies only to IT security capabilities. This certification is NOT a product guarantee.



From consulting, system design, to operations, Konica Minolta offers total support to optimise your office output environment.

<http://www.biz.konicaminolta.com/services/ops>

⚠ Requirements for safe use

- Please read and follow the instruction manual to ensure safe operation.
- Only operate using appropriate power supply and voltage.
- Connecting the earth wire to an inappropriate place may cause explosion or electric shock. Please connect accordingly (Taiwan and the Philippines only).

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