KONICA MINOLTA

MINIMISE ALL. **MAXIMISE** ALL.

bizhub PRO
C1060L

Giving Shape to Ideas

Refined Productivity and Image Quality
The New Standard for Printing Businesses

For in-house printing and central reprographics departments that demand high image quality and stability over speed, Konica Minolta introduces the all-new bizhub PRO C1060L. With a newly developed high-performance engine and paper conveyance path, the new C1060L supports a wider range of media and delivers greater productivity. And Konica Minolta's latest original technologies – including new Simitri HD^E toner and advanced image processing systems – ensure stable high image quality from the first print to the last. Cost considerations have also been made to make the bizhub PRO C1060L easier to install.

Let bizhub PRO 1060L accelerate your business to a higher level of professional quality.

bizhub PRO
C1060L

All-New System

New technologies to enhance image quality and output efficiency.

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.

Greater 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 handling ability that's a rank above office MFPs, the new path handles a wider range of media to promote in-house production of materials.

S.E.A.D. IV

S.E.A.D. IV is Konica Minolta's latest and most advanced 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 C1060L to process images with pin-point accuracy.

S.E.A.D. IV

* The photos of the bizhub PRO C1060L on the cover and this page are shown with options.

High-end performance with outstanding cost advantages

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

Expand your creativity with greater media handling.

"Sustainable" for the environment

A thoroughly sustainable design, because it's used everyday.

"Control" jobs more smoothly

Advanced colour management for outputs with confidence.

"Accomplish" more

Quick turnaround, small lots and more variety for value-added productivity

Multi-Role Digital Press

Offset Printing · Application · Printing Industry · Value-added Productivity · Environment

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Sustainable Design
Reducing environmental impact

Green insights and ingenuity for more sustainable specifications.

■ Compact, lightweight with fewer parts

The bizhub PRO C1060L is 17.5 percent* lighter and uses fewer parts, yet still remains highly robust. CO_2 emissions have been reduced during its production and transportation, and it helps reduce environmental impact and conserve resources throughout its lifecycle.

* Compared to previous C6000L.

■ Energy-saving design

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

■ Environmentally considerate materials

The C1060L 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.

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

High Quality x High Precision

**Quality that catches the eyes of professionals.
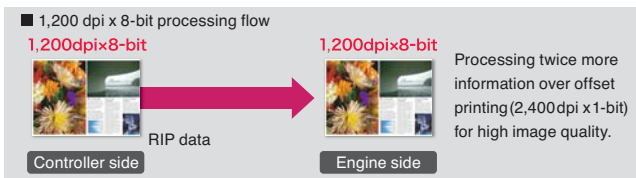Stabilised finishes that stand out from the rest.**

High resolution with multi-gradation processing

1,200 dpi x 8-bit high resolution

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^E toner.

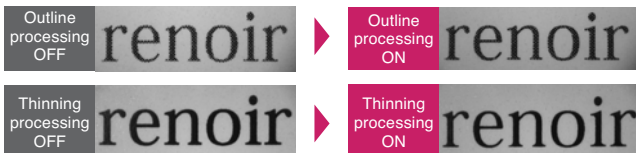### ■ 256-step 8-bit processing controller and engine

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 1,200 dpi x 8-bit resolution.

■ 1,200 dpi x 8-bit processing flow

1,200dpi×8-bit — RIP data — Controller side → 1,200dpi×8-bit — Engine side

Processing twice more information over offset printing (2,400 dpi x 1-bit) for high image quality.

Clearer reproductions with outline processing
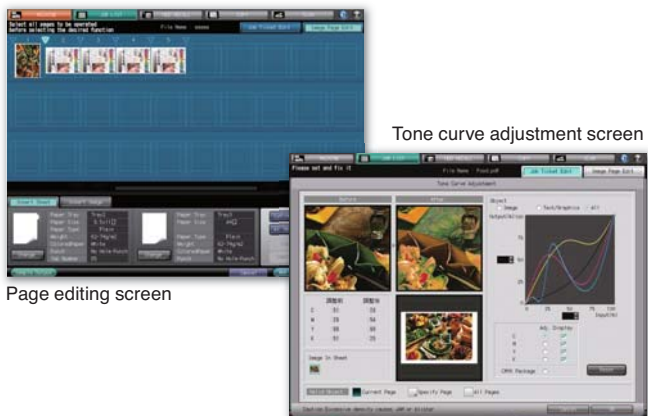
Precise outline processing

High precision outline processing reduces blurs and raggedness of lines to reproduce text details in higher definition. Quality is even improved for outputs that combine coloured text with thin lines and sharp outlines.

Outline processing OFF — renoir ▶ Outline processing ON — renoir

Thinning processing OFF — renoir ▶ Thinning processing ON — renoir

Combining high-level colour management with superior operability
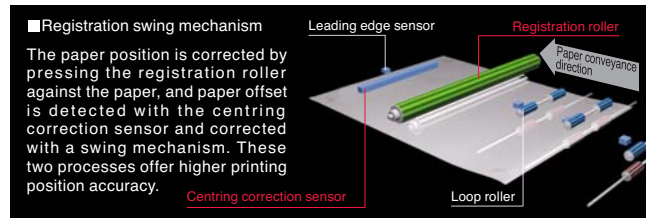
Image Controller IC-602

Image Controller IC-602 with high processing capabilities and advanced colour management offers outstanding affinity with the main unit. Jobs can be managed and edited, and tone curves can be adjusted from the control panel for greater work efficiency and smoother operation.

Page editing screen

Tone curve adjustment screen

Higher print position accuracy for higher quality

Registration swing mechanism

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.
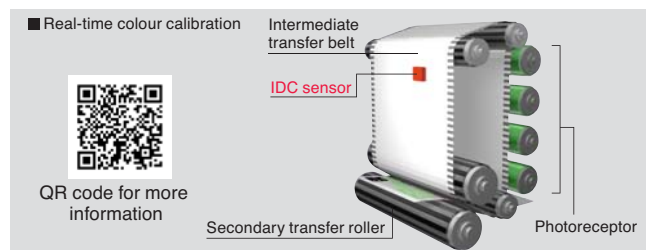
■ Registration swing mechanism

The paper position is corrected by pressing the registration roller against the paper, and paper offset is detected with the centring correction sensor and corrected with a swing mechanism. These two processes offer higher printing position accuracy.

Leading edge sensor — Registration roller — Paper conveyance direction — Centring correction sensor — Loop roller

QR code for more information

Further improved colour reproduction stability

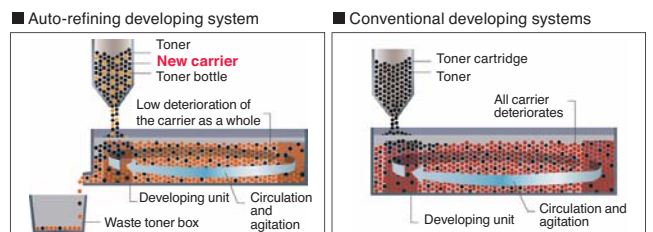### Real-time colour calibration

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, improving stability for a wide range of densities.
(Operates only when the Stabilization Adj Operation Setting is set at "Stability")

■ Real-time colour calibration

QR code for more information

Intermediate transfer belt — IDC sensor — Secondary transfer roller — Photoreceptor

For higher image stability

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.

■ Auto-refining developing system

Toner — **New carrier** — Toner bottle — Low deterioration of the carrier as a whole — Developing unit — Circulation and agitation — Waste toner box

■ Conventional developing systems

Toner cartridge — Toner — All carrier deteriorates — Developing unit — Circulation and agitation

Productivity and Media Handling

**Productivity that's at the core of the printing business.
Building trust with the power to meet varying demands.**

Process large volumes quickly

61 ppm productivity

The bizhub PRO C1060L delivers lightning fast outputs at 61 ppm* in both colour and monochrome. It also boasts 33 ppm for A3 size outputs for creating booklets and impositions, giving your business the flexibility to take on more orders.   * A4 crosswise using 62 to 176 g/m² paper.

Improve productivity for thick paper printing

Equal high-speed outputs for 62 to 176 g/m² paper

Productivity is now even more efficient, whether using normal paper or coated, or for simplex or duplex printing, thanks to the improved fusing unit and process control. The C1060L maintains high-speed outputs of 61 ppm (A4 crosswise) for paper up to 176 g/m² – even for mixed media – without sacrificing productivity.
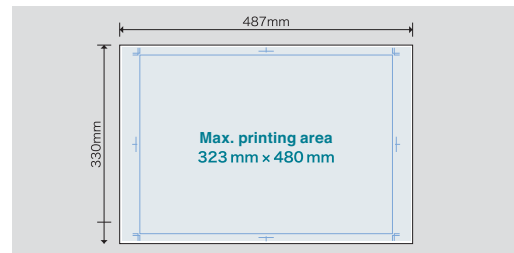
Supporting varying sizes from postcards to booklets

A3 full-bleed outputs

Custom sized papers up to 330 x 487 mm are supported 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. The optional Multi-bypass Tray* can also be attached for postcard size printing.

* Optional Multi-bypass Tray (MB-506) required.

487mm

330mm

Max. printing area
323 mm × 480 mm

The power to handle more

Automatic duplex printing for cardstock up to 300 g/m² thick

While the main unit trays support 62 to 256 g/m² paper, optional paper feeding units that can support cardstock up to 300 g/m²* thick. And create business cards, greeting cards, direct mailings and invitations using an extensive range of paper types including highly smooth art paper and coated paper, non-carbon paper and over printed paper.

* With optional Large Capacity Unit (LU-202) or Multi-bypass Tray (MB-506) installed.

Hi-spec Options

Balancing diverse finishing with reduced manpower. Increase value-added productivity while shortening delivery times.

Maximise uptime | * Using 80 g/m² paper for all paper feeding capacities.

Improve paper handling with high-efficiency paper feeding.

4,000-sheet high-volume paper feeding

Large Capacity Unit (LU-202)

Combine the optional LU-202 with the main unit's 1,500-sheet tray for a maximum 4,000 sheets. High capacity paper feeding reduces the time and effort required for paper replenishment and management, and also supports high-volume printing.

*Optional

Max. 300 g/m² cardstock support

Multi-bypass Tray (MB-506)

The Multi-bypass Tray, with a capacity for 250 manually fed sheets, is useful for cardstock printing and for feeding covers of booklets and coloured paper. It can be used together with the Large Capacity Unit (LU-202).

*Optional

Enhance operation efficiency

Replenish paper and toner on the fly

Paper and toner can be replenished during operation including printing and copying. Toner is easily replaceable from the front to reduce downtime and increase efficiency.
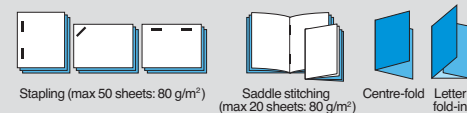
Inline finishers | A wide range of high-performance finishers for a variety of inline post-processing

Multi-support including booklet binding

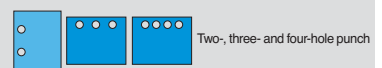#### Saddle stitch finisher (FS-612)

In addition to various stapling functions, FS-612 is a multi-functional finisher that offers saddle stitching for booklet binding as well as folding functions for creating materials such as direct mailings and invitations.

*Optional

Stapling (max 50 sheets: 80 g/m²) Saddle stitching (max 20 sheets: 80 g/m²) Centre-fold Letter fold-in

Staple up to 50 sheets

Stapling finisher (FS-531)

This finisher offers one-point corner stapling as well as two-point side stapling to effectively create various types of handouts such as proposals and reports.

*Optional

Stapling (max 50 sheets: 80 g/m²)

Expand

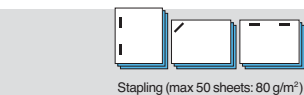### Go even further with hole punching

Punch Kit (PK-512/513)

PK-512/513 can be attached to Finishers FS-612 and FS-531 for hole punching on the left side or top of sheets to help streamline filing tasks.

*Optional

Two-, three- and four-hole punch

Include cover sheets and insertion sheets

Post Inserter (PI-502)

Attach PI-502 to Finishers FS-612 or FS-531 to add covers to documents and insertion sheets to booklets. Settings for two types of paper are available.

*Optional

Sheet inserter

Usability

15-inch large screen flat display

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. Easy-to-understand voice guidance offers reminders such as for toner and paper replenishment. A USB mouse can also be connected to ease operability.

Scanning & Security

Smooth and safe information handling, indispensable for the growth of your business.

Network Scanner

Flexible digitisation to match environment and purpose

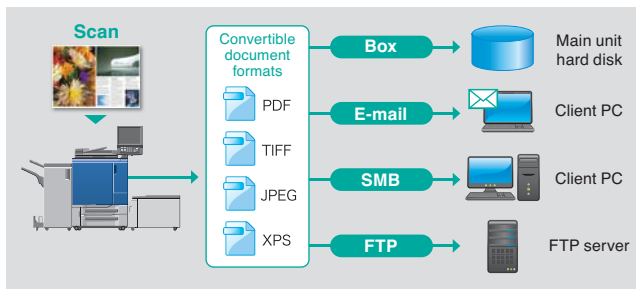### Max. 600 dpi high-speed digitisation

Network full colour scanning

Scan at speeds up to 70 sheets per minute (A4 crosswise at 300 dpi) in both colour and monochrome. And digitise hard copies to match your purpose with support for documents up to 297 x 431.8 mm, a choice of 600, 400, 300 and 200 dpi resolution, and a variety of file types. PDF files at 600 dpi for printing can even be converted down to 200 dpi JPEG files for confirmation beforehand.

Send data efficiently with just one operation

Scan & send

Scan & send is a simple one-stop operation for smoother information sharing. Scanned data can be converted to file formats and sent collectively to multiple recipients.

■ Scan to E-mail
Send scanned data as email attachments.

■ Scan to FTP
Send scanned data to a specified directory in the FTP server. Effective for accessing data when required and sending large volumes of data.

■ Scan to SMB
Send scanned data directly to the client PC's shared folder.

■ Scan to HDD
Scanned data can be temporarily saved in the main unit's box, and then sent to an FTP server or client PC.

Document Security

Protecting the personal information of every user

Solidly safeguarding accumulated data

Hard disk data encryption

Prevent tampering of accumulated data and information leaks with this robust hard disk data encryption function.

Note: Available from the second version.

Promoting proper use through authentication

Reinforced password authentication

Case-sensitive 8- to 64-character passwords can be set according to user for enhanced security. To further prevent unauthorised use, password entry will be disabled for five seconds each time the incorrect password is entered.

Detailed management

Create, save and analyse the audit log

Specific security-related information such as date and time of operation and user, details and results can automatically be created and saved as an audit log. Unauthorised access can also be analysed.

Securer next-generation internet protocol

IPv6 ready

The C1060L supports IPv6, which implements IPsec security technologies such as packet authentication and data encryption, for robust end-to-end security.

ISO15408 (EAL Level 3) Certification

These products comply with the security requirements of ISO15408. (Currently under application)

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

■ bizhub PRO C1060L General Specifications

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		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. Print Area		323 mm x 480 mm
Paper Size (S: Short Edge Feed▯)		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) Max. 330 mm x 487 mm, Min. 140 mm x 182 mm 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 148mm
Image Loss		No Print Area (Frame Area) Leading edge: ≤ 4 mm Trailing edge: ≤ 4.5 mm Right edge: ≤ 3 mm Left edge: ≤ 3 mm
Warm-Up Time		390 seconds or less
First Copy Out Time	Colour	7.6 seconds or less (A4*1, 8 1/2x11)
	Black and White	6.3 seconds or less (A4*1, 8 1/2x11)
Continuous Copy Speed (Colour / Black and White)*2		61 sheets/min. (A4), 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
	Zoom Magnification	x 0.250 to x 4.000 (Each 0.001 step)
Tray Capacity		Standard: 1,500 sheets (80 g/m²) Option: Multi-bypass, 250 sheets (80 g/m²)
Paper Weight		62 g/m² to 300 g/m² (Limitations to paper types apply) Main Unit: 62 g/m² to 216 g/m² Multi-bypass: 62 g/m² to 300 g/m² LU-202: 62 g/m² to 300 g/m²
Continuous Copy Count		Up to 9,999 sheets
Auto Duplex		SRA3, SRA4, A3, B4, A4, B5, A5, B6S, A6S, 13x19, 12x18, 11x17, 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/m² to 300 g/m²
Paper Capacity		150 sheets (80 g/m²) *3
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*4 x 903 mm*5 x 1,073 mm*6 / 29.92"*4 x 35.55"*5 x 42.24"*6 (Main body + Original Cover)
Weight		Approximately 291 kg / 641 lb (Main body only)

■ Image Controller   IC-602

Type	AIO to the engine (Option)
CPU	Intel Pentium G850 2.9 GHz (Conforms with main unit specifications)
Memory	Max.10 GB Details: 2 GB + 4 GB (Standard of the main body) + 4 GB (IC-602)
HDD	Max.1.5 TB Details: 500 GB x 3 (Standard of the main body)
Page-description Language	Adobe PostScript3 (PS3019), PDF direct print (PDF version 1.7), TIFF direct print (TIFF version 6 compliance), PPML (version 2.2), PCL-5c compatible, PCL XL (PCL6 version 3) compatible
Printing Method	TCP/IP, IPX/SPX, NetBEUI, IPP, AppleTalk, WSD, Bonjour, SMB
Applicable OS	•Windows XP, Windows Server2003, Windows Vista, Windows Server2008, Windows 7, Windows 8, Windows Server2012 *1 • MacOSX 10.5 / 10.6 / 10.7 / 10.8 (PPC/Intel)
Interface	Ethernet (1000BASE-T / 100Base-TX / 10Base-T) with IPv6, USB
Scanner Resolution	200 / 300 / 400 / 600 dpi
Data Format	PDF, TIFF, JPEG, XPS
Driver	HDDTwain Driver, Real Time Mode Twain Driver

*1 Including 64-bit versions.

■ Image Controller   IC-415

Type	Embedded
CPU	Intel Pentium G850 2.9 GHz (Conforms with main unit specifications)
Memory	2 GB
HDD	500 GB SATA
Page-description Language	Adobe PostScript3 (PS3019), PDF direct print (PDF version 1.7) PCL5/6 emulation
Printing Method	TCP/IP, Bonjour, SNMP, IPP, FTP, SMB, LPR
Applicable OS	•Windows XP, Windows Server2003, Windows Vista, Windows Server2008, Windows 7 ,Windows 8*1 • MacOSX 10.5 / 10.6 / 10.7 / 10.8
Scanner Resolution	200 / 300 / 400 / 600 dpi
Data Format	PDF, TIFF, JPEG
Driver	Twain Plug-in

*1 Including 64-bit versions.

*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 The OT-502 is attached as an option.
*4 Excluding the control panel, output tray, work table.
*5 Including the rear duct.
*6 Height to the top of the original cover excluding the control panel.

Model shown is C1060L with options.

For more information please visit the bizhub Web site at

http://www.biz.konicaminolta.com/production/c1060l/index.html

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

KONICA MINOLTA
OPTIMISED PRINT SERVICES ™

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).