

# **bizhub PRESS C1070/C1060**

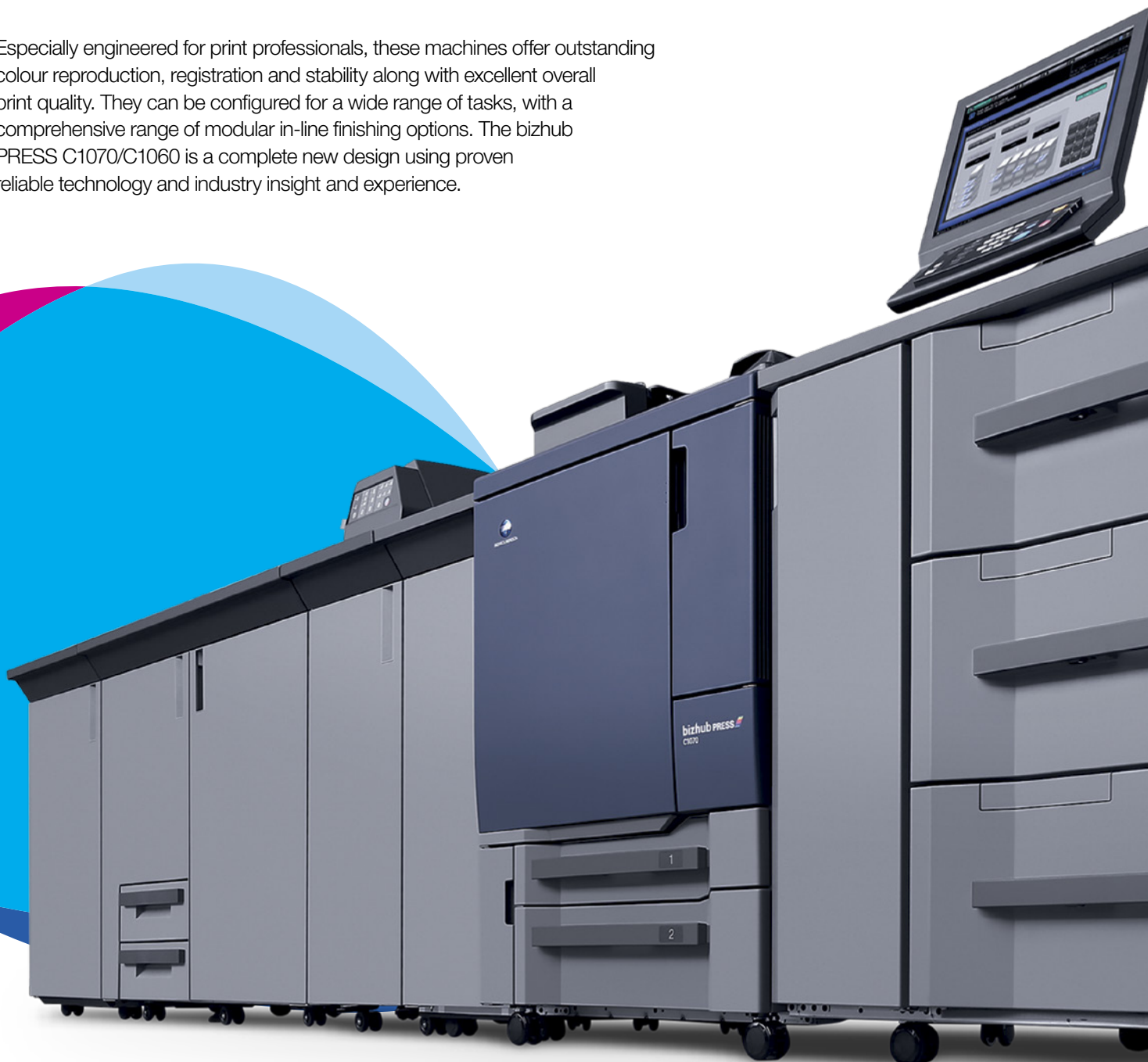
Enhanced accuracy and image quality, to meet the demands of digital professionals.



# A new generation of digital press for a new kind of print professional

Starting from a clean sheet, Konica Minolta has designed the bizhub PRESS C1070/C1060 to meet new generation digital challenges.

Especially engineered for print professionals, these machines offer outstanding colour reproduction, registration and stability along with excellent overall print quality. They can be configured for a wide range of tasks, with a comprehensive range of modular in-line finishing options. The bizhub PRESS C1070/C1060 is a complete new design using proven reliable technology and industry insight and experience.



# Increase your profitability with maximum productivity

## Dedicated to the needs of print professionals

The bizhub PRESS C1070/C1060 are newly designed to maintain high-level productivity in the toughest workflow environments.



- Highly reliable, flexible and productive with fast print speeds in colour and monochrome of 71 impressions per minute (C1070) and 61 impressions per minute (C1060).
- Featuring proven, advanced Konica Minolta precision print technology in hardware and versatile software, the bizhub PRESS C1070/C1060 delivers outstanding quality.
- Proprietary Konica Minolta developments like Simitri HD<sup>E</sup> and S.E.A.D. IV satisfy even the most discerning customers' quality expectations.
- With impressive media flexibility, the bizhub PRESS C1070/C1060 meets virtually any print job request, including paper formats from A5 to SRA3 (max 330 x 480 mm) and weights ranging from 62 to 300 gsm.
- Advanced finishing facilities provide essential impact to boost customers' business opportunities. With an extensive range of finishing options including booklet trimming and perfect binding, the finishing capabilities of the bizhub PRESS C1070/C1060 are truly comprehensive.

## Helping printers to meet their environmental commitments

With all-round capabilities, the bizhub PRESS C1070/C1060 boasts a number of features that reduce the impact on the environment.

- Konica Minolta promotes sustainable development and integrates environmental and social perspectives into its business strategies.
- As part of its zero-waste manufacturing concept, Konica Minolta strives to minimise the ecological impact of its products with efficient environmental activities throughout all stages of the product lifecycle.

# Advanced colour processing technologies

Print providers and print professionals can now expect colour quality to rival offset printing – at a fraction of the cost. With their high-speed print/copy output, the bizhub PRESS C1070/C1060 are purpose-built professional machines.

## A host of new technologies

### 1200 x 1200 dpi and 8-bit multi-gradation processing

High resolution with multi-gradation processing reproduces fine text and thin lines clearly, as well as rich colour gradations even for colour images, thanks to 1,200 x 1,200 dpi high-resolution printing and Simitri HD<sup>E</sup> toner. 8-bit multi-gradation data processing flow for each colour displays 256-step gradations within a single pixel.

### Superior screen technology for optimised print quality

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.

### ITbit technology

Outline processing improves the appearance of characters by thinning them so they do not appear thick. Contour processing helps to reproduce white characters on backgrounds with ideal proportions and reduces jagged edges of half-tone characters.

### SEAD IV with 3,600 dpi equivalent resolution

With SEAD IV (the latest version of our Screen-Enhancing Active Digital Processing), the bizhub PRESS C1070/C1060

combines highly accurate laser exposure controls, ultra-fine Dot Position Control (DPC) pixel placement, and multi-bit screening to achieve 3,600 dpi equivalent resolution.

### Simitri<sup>®</sup> HD<sup>E</sup> toner saves energy and enhances quality

The bizhub PRESS C1070/C1060 takes image quality and energy savings to the next level. Its new Simitri HD<sup>E</sup> digital toner has a three-dimensional hybrid structure containing functional polymer. It incorporates improved magenta pigment for superior reproduction of red hues, 10% higher overall percentage of pigment for superior quality in solid colour areas. This enables it to reproduce halftones more faithfully in both colour and B&W.

### Real-time colour calibration improves stability

This function controls image stability in short intervals during continuous printing – by detecting density correction patches on the intermediate transfer belt. It uses the IDC sensor in real time, and greatly improves stability for a wide range of densities.



# Advanced precision from the first print to the very last

## **Auto-refining developing system for higher image stability**

Konica Minolta's auto-refining developing, on all four colours, delivers long-term stabilised quality. To refresh the developer, new carrier is regularly supplied along with the toner. This approach helps stabilise the developer condition, ensuring high quality outputs are maintained.

## **Registration swing mechanism for pinpoint positioning**

To provide high-precision centering correction, Konica Minolta's newly developed registration swing mechanism utilises a centering detection sensor on the registration unit. Paper position is corrected by pressing the registration roller against the paper, enabling any variation to be detected by the centering correction sensor.

## **Further improvements to colour stability**

Stable high quality colour outputs are provided for a wide range of densities. The real-time colour calibration function controls image stability in short intervals. It does this during continuous printing, by using the IDC sensor to detect density correction patches on the intermediate transfer belt and dot diameter correction patches.

In addition, by using the optional Relay Unit RU-509, the gradation density can be corrected to match the characteristics of the output paper.

The RU-509's auto calibration offers up to 15 correction values according to paper or screen type. It also includes a mode that measures RGB as well as CMYK to further enhance and fine-tune colour accuracy.

## **Air blow and air suction for high simplex and duplex speeds**

In both simplex and duplex printing, on 62 to 176 gsm paper, high-speeds of 71 ppm (C1070) and 61 ppm (C1060) are aided by the paper feed's air blow control – which gives greater reliability and better stock handling capabilities.





# A new generation of Digital Printing

## Outstanding media handling at every stage

A totally redesigned paper conveyance path delivers much more stable throughput. It assures greater reliability on the journey from paper feeding to the fusing section, right through to the finishing.

## Excellent thin paper handling with air blow mechanism

Air is blown to the area around the fusing nip to facilitate smooth paper fusing.

## Colour density calibration system

Within the Relay Unit RU-509, the gradation density can be corrected to match the characteristics of the output paper. Its auto calibration offers up to 15 correction values according to paper or screen type.

## Large control panel for job management

The user-friendly 15-inch colour touch-screen display allows the display angle to be adjusted to match the user, and ensures outstanding ease-of-use. A USB mouse can also be connected.

## Say goodbye to paper curls and static

For decurling, you can combine the Relay Unit (RU-509), which employs a mechanical decurler, with the optional Humidifier Kit (HM-102). This combination enables paper curls to be removed according to paper type.

## High-on-demand envelope printing

The Envelope Fuser Unit (EF-103) supports printing for 100 x 148 mm to 248 x 375 mm envelopes.



### Network full colour scanning

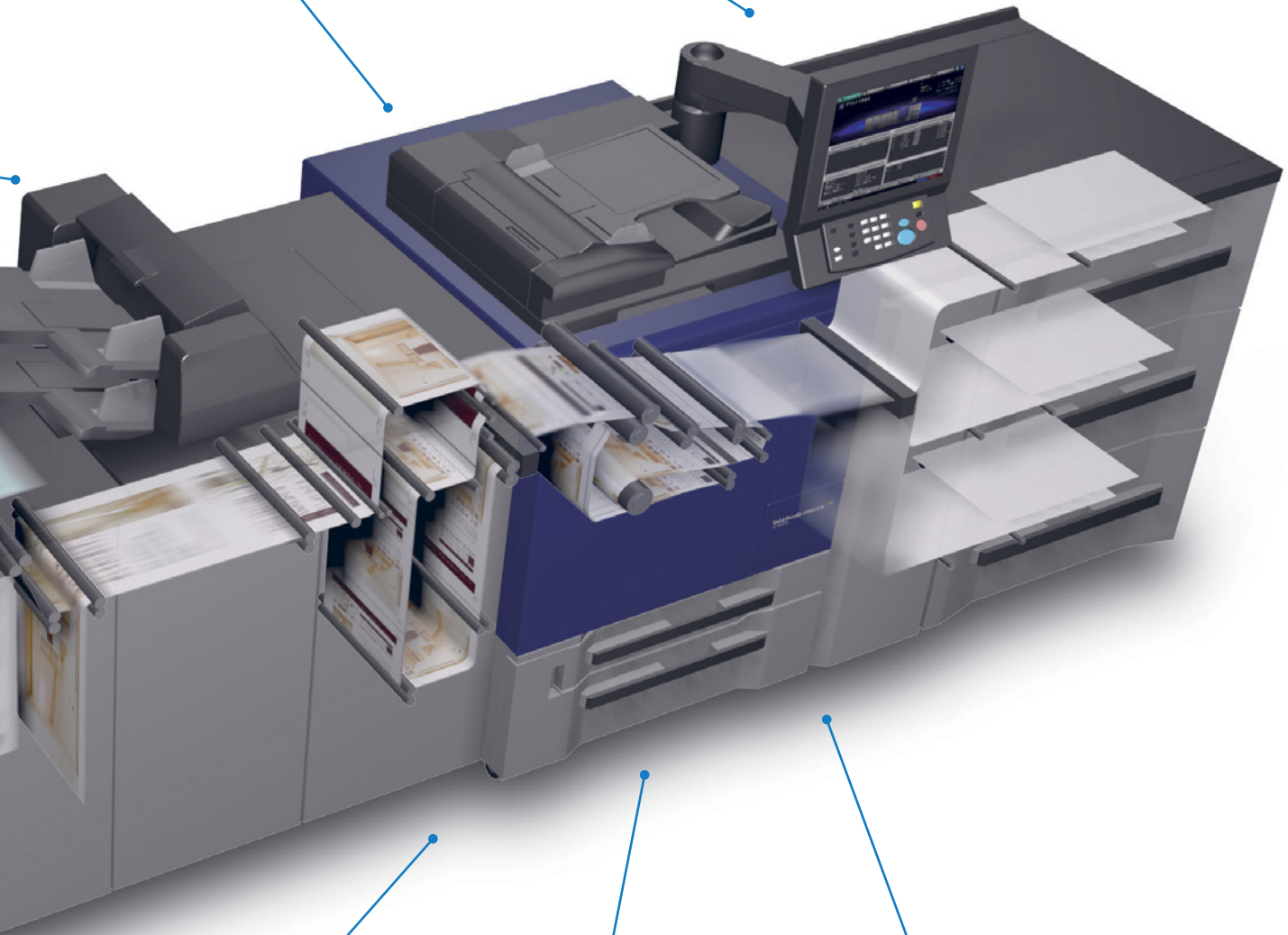
Scanning can be achieved at up to 70 sheets per minute in both colour and monochrome. You can digitise hard copies of documents up to 297 x 431.8 mm.

### Air suction belt feed system for stable paper conveyance

The optional Suction Feeder PF-707 is available for the bizhub PRESS C1070 and C1060. Its air function blows air from the sides and front to raise each sheet so it sticks onto the suction belt, resulting in damage-free feeding.

### Up to 7,500-sheet paper feeding capacity

Three types of paper feeding units are available, in addition to the C1070 series' main unit trays.



### Real-time colour calibration improves stability

This function uses the IDC sensor in real time, and greatly improves stability for a wide range of densities.

### Simitri® HDE toner for improved image clarity

Konica Minolta's new Simitri HDE digital toner uses a three-dimensional hybrid structure containing functional polymer.

### Easy toner replenishment with no downtime

To maximise operational efficiency, toner can easily be replenished even during printing and copying, reducing downtime and increasing productivity.









# Advanced finishing and increased efficiencies

Whatever the configuration, the bizhub PRESS C1070/C1060 combines impressive colour speed and superb quality output with durability, reliability and a streamlined, integrated design.

- By offering reasonable and sustainable running costs the bizhub PRESS C1070/C1060 significantly helps professional printers to ensure competitiveness and achieve attractive margins.
- The bizhub PRESS C1070/C1060 is available in over 40 different system configurations, all providing the same robust colour printing and comprehensive performance, whilst tailored to the flexible needs of individual professional user groups. All product versions are available as multifunction devices with scanning and copying functionality.
- The bizhub PRESS C1070/C1060 impresses with sophisticated paper processing capabilities. Providing up to 7,500 pages input and up to 13,600 pages output capacity, the digital presses process a wide range of substrates, including media weights of up to 300 gsm – whether coated paper, card or digital offset stock.
- To satisfy the diverse requirements of the most varied professional printing environments, the bizhub PRESS C1070/C1060 can be equipped with three different controllers that all guarantee fast and smooth processing of colour jobs.
  - The external EFI controller IC-306 is a viable all-round system that supports the impressive workflow functionality with the latest Fiery technology and provides an intuitive, user-friendly interface between operator and digital press.
  - The external CREO controller IC-309 is the perfect solution for VDP applications (Creo VPS) and an ideal choice for hybrid prepress workflows.
  - The embedded Konica Minolta controller IC-602 offers affordable colour management, as well as seamless connection with a wide range of Konica Minolta applications. The highlight of the IC-602 is its complete integration with the bizhub PRESS C1070/C1060, with print job page imposition and changes at the operation panel.
  - The embedded EFI controller IC-415 offers simple, affordable colour management and streamlined processing of print files to enhance the productivity of novice users and creative professionals. With its generous range of standard-setting colour tools.

# Expanded Capabilities

## Air Suction Feed Unit (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 even for thick and coated sheets.

## Saddle stitcher (SD-510)

Expands capabilities for saddle stitching, multi-letter-fold and centre-fold.

## Multi-bypass Unit (MB-506)

This unit feeds a full range of media and over size stocks, enabling the use of banner print with sheets up to 330mm by 1200mm long. Cannot be configured with either large paper feed unit (PF-707/PF-602).

## RU-506

This unique relay conveyance unit not only cools printed sheets but also has a mechanical de-curler unit, that is capable of greatly reducing paper curl. Decurl strength can be adjusted at the operation panel by media for optimal curl removal.

## Proven auto calibration system

The relay unit is equipped with a colour density sensor that can be set to 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.

## Multi (GBC) punching unit (GP-501)

The multi punching unit offers high performance multi (GBC) punching of sheets at full system speed in preparation for offline spiral binding. Various available die sets correspond to the most popular punching schemes, such as metal-based coil (velo) and plastic (comb) binding.

## Ring Binder Unit (GP-502)

Enables you to create ring-bound reports and presentations with in-line speed and simplicity.

## Compact Paper Feed Unit (LU-202)

The LU-202 feed unit allows for an addition 2,500-sheet capacity to your required system, and can accommodate A5 to SRA3 sheet sizes.

## Post Inserter (PI-502)

Add cover sheets and insertion sheets with two input trays.

## All-in-one finisher (FS-532)

FS-532 stapling finisher with staple cutter provides stapling for up to 100 sheets\* for beautiful finishes regardless of the number of sheets in each output set.

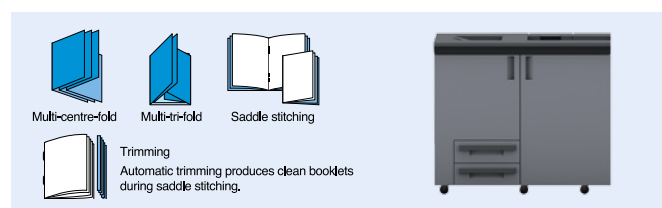
A choice of three sub-options can be fitted to expand the system when required.

## Multi-folding unit (FD-503)

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. Additionally, this unit is equipped with two post inserting trays as standard, extending the ability to cover, pre-print and other media post fusing.

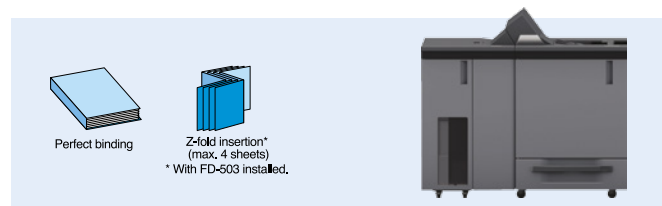
## Booklet making unit (SD-506)

The booklet-maker provides added value as ideal finishing equipment for all kinds of saddle stitched and trimmed booklets, with a huge capacity of 50 sheets producing a 200 page booklet. It speeds up the online production of leaflets, brochures, catalogues and other marketing, sales and training materials.



## Perfect binding unit (PB-503)

This is the finisher for in-line production of all kinds of perfect-bound books. The functionality offers the insertion of z-folds and the inclusion of pre-printed colour covers and sheets.



# Technical specifications

## Printer specifications

### Print speed A4

Up to 71 / 61ipm

### Print Speed A3

Up to 38 / 33ipm

### Print resolution

Max.: 1,200 x 1,200 dpi x 8-bit

### Gradations

256 gradations

## System specifications

### Paper weight

62 to 300gsm

### Duplex unit

Non-stack type, 64–300gsm

### Paper sizes

A5–SRA3 (Custom Size 330 x 487 mm)

### Maximum image area

323 x 480 mm

### Paper input capacity

Maximum: 7,500 sheets

Main unit: up to 1,500 sheets

PF-707: up to 4,630 sheets

PF-602: up to 6,000 sheets

### Paper output capacity

Maximum: 13,600 sheets

Stacking unit with trolley: 5,000 sheets

Large capacity tray: 3,000 sheets

Per sub tray: 200 sheets

### Main unit dimensions (W x D x H mm)

760 x 903 x 1,073 (only main unit)

### Main unit weight

291 kg (only main unit)

## Controller specifications

### IC-602 enhanced Konica Minolta controller

#### CPU

Intel® Pentium 2.9 GHz

#### RAM

5 GB

#### HDD

1.5 TB Hard Drive

#### Interface

Ethernet (10/100/1,000-Base-T) with IPv6

File Formats

PDF, TIFF, JPEG, XPS

#### Client Environments

Windows® 7/2000/XP/NT 4.0/Server 2003

Macintosh OS 9.x and 10.x

### IC-308 external EFI Fiery controller

#### CPU

Intel® Core i5 2400 3.10 GHz

#### RAM

4GB high-speed memory

#### HDD

1TB Hard Drive

#### Interface

Ethernet (10/100/1000-Base-T) with IPv6, USB

#### File Formats

Adobe® PostScript® Level 1, 2, 3

Adobe® PDF 1.5 to 1.7

PDFX; EPS; TIFF; TIFF/IT; JPEG; PPML;

Fiery® FreeForm™/Fiery® FreeForm™ 2.1

#### Client Environments

Windows® 7/2000/XP/Vista™

Macintosh® OSX or higher

### IC-309 external Creo controller

#### CPU

Intel® Quad Core i7-860 3.46 GHz

#### RAM

2 GB high-speed memory

#### HDD

250 GB SATA system and user disc

2x 250 GB SATA image disk space

#### Interface

Ethernet (10/100/1,000-Base-T), NetBios802.1x

Authentication

#### File Formats

Adobe PostScript 3; Native PDF; EPS;

TIFF; TIFF/IT; JPEG; CT/LW- VPS PML2.2

#### Client Environments

Windows® 7/2000/XP/NT 4.0/Server 2003

Macintosh OS 9.x and 10.x

## Scanner specifications

### Scan speed A4

Up to 70ipm

### Scan speed A3

Up to 70ipm

### Scan resolution

600 x 600 dpi

### Scan modes

TWAIN scan; Scan-to-HDD; Scan-to-FTP;

Scan-to-SMB; Scan-to-E-mail;

Scan formats TIFF (single and multi-page), PDF

## Copier specifications

### Copy speed A4

Up to 71/61ipm

### Copy speed A3

Up to 38/33ipm

### Gradations

8-bit / 256 gradations

### FCOT

Less than 7.1 / 7.6 sec. (colour A4)

### Magnification

25–400% in 0.1% steps

### Multiple copies

1–9,999

## Accessories

### Paper feed unit PF-707

3 trays; Air suction feeding

Paper capacity: up to 4,630 sheets

Paper weight: 62–300gsm

Standard paper sizes: A5–SRA3

Min. paper size: 100 x 140 mm

Max. paper size: 330 x 487 mm

### Paper feed unit PF-602

2 tray; Friction Feed with Air separation

Paper capacity: up to 6,000 sheets

Paper weight: 62–256gsm

Lwr Tray: Up to 300gsm

Standard paper sizes: A5–SRA3

Min. paper size: 100 x 188 mm

Max. paper size: 330 x 487 mm

### Relay Unit RU-509

Enhanced Productivity Unit

Mechanical de-curler

Colour Density Sensor -Humidifier Unit HM-102

Humidification de-curler unit

### Post inserter PI-502 \*

Pre-printed sheet post inserter option

200 sheet x 2 trays

### Punch Kit FK-522 \*

Punching unit, 2 or 4 hole punching

### Finisher FS-532

Stapling of up to 100 sheets,

2-point and corner stapling,

Variable staple length

Output for up to 4,200 sheets. Sub tray for up

to 200 sheets. Off-set shift sorting and grouping

### Saddle Stitch Unit SD-510\*

Booklet making of up to 20 sheets (80 images)

Output tray for up to 35 booklets.

Centre staple, half-fold and tri-fold.

Multi fold-in up to 3 sheets, Centre fold up to 5

sheets

### Folding unit FD-503

Pre-printed sheet inserting 2 x 500 sheets (PI):

Punching (2/ 4 hole)

Folding (half-fold, z-fold, gate-fold, letter fold in,

letter fold out, double-parallel-fold)

Sub tray for up to 200 sheets

Multi punching Unit GP-501

Multi punching of A4 sheets

User replaceable die sets for: velo bind, plastic

comb, wire bind, colour coil, pro click

Paper weight: 75–216 gsm

### Auto Binding Unit GP-502

On-line automatic binding system

One size colour bind element-fits all

### Saddle Stitcher unit SD-506

Booklet making of up to 50 sheets (200 images)

Saddle stitching, For-edge trimming

Output tray for up to 50 booklets

Multi letter fold in/ Multi half fold (up to 5 sheets)

### Stacking unit LS-505 and LS-506

Up to 5,000 sheets stacking capacity

Two units can be installed in tandem

Up to 10,000 sheets stacking capacity

Trolley mounted stacker with Clamp mechanism

Off-set stacking

Sub tray for up to 200 sheets

### Saddle Stitcher Finisher SD-513

Booklet making of up to 50 sheets (200 pages)

on low paper weight

4 staples possible on the booklet bind

Multi-letter fold in (Up to 5 sheets)

Multi half fold (Up to 5 sheets)

Options for SD-513:

FD-504: Spine Corner Forming Unit

With 5 strength settings

TU-503: Top and Bottom trimming Unit

CR-101: Creasing for Booklet and flat sheet,

up to four possible creases across the sheet.

### Perfect binding unit PB-503

Hot melt glue binding system

Integrated 1-side trimming of cover sheets

Books from A5 up to A4+ (307 x 221 mm)

Books from 10 sheets up to 30 mm spine width

Cover paper tray for up to 1,000 sheets

Sub tray for up to 200 sheets

Book stacking capacity of up to 3,300 sheets

### Envelop Fuser unit EF-103 \*\*

Enhanced envelop fuser

\* Requires attachment to FS-532

\*\* Limitations apply to possible output tray







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**bizhub PRESS** 

Printed on a Konica Minolta bizhub PRESS C1070/C1060

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**Ecology & Environment**

KONICA MINOLTA copiers and multi-functional products are designed with the environment in mind.

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



**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).