AccurioPress
C3070/C3070P

Full Colour
Production Printing System
Maximum operation rate in production as a production printer is pursued

Konica Minolta’s new system printer opens up the light print production segment

**AccurioPress**

**C3070/C3070P**

**Skill-less**

- Constantly provides high quality prints with fewer manual settings and less human errors
  - Automated colour tone/front-to-back registration
  - Batch adjustment of density/colour tone
  - Automatic creation of printer profiles
  - Skill-less operation
  - Measurement/input work is no longer necessary

**High Quality & Productivity**

- Realises both stable quality and high productivity at a time
  - Output speed as high as 71 ppm (A4 landscape)
  - High-speed auto-duplex scanner with highest scan speed (240 ppm) in its class
  - Real-time monitoring and adjustment of colour tone/front-to-back registration
  - Real-time curl adjustment
  - Automated post-processing using highly functional finisher options

**Flexibility**

- High media compatibility to expand the print service domain
  - 350gsm thick paper compatibility
  - Air suction system for reliable feeding of thick paper
  - Paper length compatible with banner printing is extended to 1,100mm
  - Auto-duplex printing capability of max. 762mm long paper is newly incorporated
  - Supports long-run banner printing
  - Reliable transport and high-quality envelope printing at lower cost with envelope dedicated fusing unit
  - Enhanced paper catalogues

**Collaboration**

- High-level system configuration to support high performance
  - Controller can be selected from four models according to function, cost and workflow
  - Linkage with AccurioPro series workflow solution makes it possible to establish an efficient workflow
  - Linkage with iJ Press series allows providing high value-added print products that can differentiate itself
Automation

Less human touch & less human error
Intelligent Quality Optimiser [IQ-501] (optional)

The Intelligent Quality Optimiser [IQ-501] enables automated colour management and front-to-back registration adjustment. Since there is no need for measurement or numerical input, as in the past, high quality print products are constantly available with fewer manual settings and less human errors. In addition, high quality is maintained thanks to real-time monitoring and adjustments during printing, contributing not only to cost reduction with less waste but also to improve customer trust.

High-precision colour and registration adjustments prior to printing

Automated colour and front-to-back registration adjustments

Automatic adjustment of maximum density, density balance, gradation, grey balance and front-to-back registration is now realised. Significantly reducing adjustment time that is an un至於ted extra on net production time, and contributing to the printing operation rate, which directly affects profit. There is no need for measurement or numerical input, as in the past. The IQ-501 provides high quality print products with skillless operation thanks to an environment that does away with quality problems caused by measurement or input errors.

Packaged Auto Colour Adjustment

Variax adjustments including gamma, maximum density, density balance, gradation and grey balance are automatically performed in one-step operation. Manual adjustments for packaged adjustment are selectable. Performing adjustments required for daily operation in one-step allows highly precise adjustments to be completed in a short time without booting the printer.

Automated printer profile creation and colour verification

Automatic printer profile creation

Printer profiles that previously required time-consuming manual work are now effortlessly created using the IQ-501. Colour profiles that need to be created for each paper type are now automatically created without requiring specialist skills. In addition, the IQ-501 is equipped with a function to verify the colour setting of the created profile.

Day-to-day/machine-to-machine colour control as well as daily quality control during print operation are automated

Maintaining the best quality during printing

Real-time colour & registration monitoring and correction

Colour tone and front-to-back registration, etc., are monitored and automatically corrected in real-time without degrading productivity. As a result, colour fluctuations and registration misalignment are controlled to a minimum, which helps provide high quality print products at a stable manner. Stabile results are assured in printing of company logos for which the colour stability is essential, and cards, page numbers of brochures and ruled lines for which accurate positioning is essential. In addition, print waste caused by unstable colour and registration is minimised, contributing not only to cost reduction but also to improve customer trust.

Linkage with cloud-based colour management system

AccurioPro CloudEye

Konica Minolta’s cloud colour management system enables centralised colour management of printers at multiple locations (head office and factories, sales offices, facilities, etc). The colour reproduction of all connected printers, of wide-ranging models, is accurately monitored without requiring special skills.

Problems with separate colour management in each location

- Lack of consistency due to differences in judgment criteria, setting methods, etc.
- More time/time spent communicating, managing and checking.

Centralised colour management for multiple locations via cloud

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High Quality

Stably provides high quality prints featured by top-level image quality and highly accurate print positioning

High image quality is realized by Konica Minolta’s unique technology through faithfully facing the high-level needs in digital print market. Colour fluctuation is controlled within the minimum under various condition, which ensures stable and beautiful finish for the first through to the last prints. High image quality that brings higher value of printed material generates advantages for the print services.

Cutting-edge image processing technology

S.E.A.D.V

Enhanced Konica Minolta’s Image processing technology S.E.A.D.V backed up with new generation of image processing RAC and fully automated colour adjustment functions promise to provide print products with the best quality.

High quality with energy-saving

Simitri HD® Toner

A 3D hybrid structure that contains functional polymers ensures a high level of compatibility with various types of media and enables realization of ideal natural textures. In addition, it requires only a small amount of heat for fusing, significantly reducing power consumption.

Highly accurate registration adjustment

Effective print position adjustment on the front and rear of the sheet and image zooming on the rear side, Image registration and skew correction functions are also supported, which enables even greater ease of adjustment for items such as business cards, shop cards and tickets which require a high level of front-to-back registration accuracy.

Selectable screens according to the application

High quality screens

Equipped with a total of 12 types of screen, 6 dot screens, 3 line screens and 3 stochastic (FM) screens, the system can be matched to applications and purpose such as proof output, photograph printing and more suppression.

Superb small text & thin line quality

Line thinning & contour enhancement technologies

AccurioPress is furnished with a line thinning processing function to improve phenomena such as thickening of characters and outline character thinning, and with a contour enhancement processing function that improves legibility of dot background outline characters and characters in intermediate colours to realize top-class level character quality and high legibility.

Simple & quick paper setting

Ample paper catalogue

Default settings are provided for various types of paper and additional settings can be registered to meet every need. Simple settings and user-friendly search functions contribute to easy setup and efficient production.

Controls colour fluctuation and registration error in the minimum to maintain high quality prints

Real-time image stabilisation control

This function controls image stability in short intervals during continuous printing by detecting density correction patches and dot diameter correction patches created on the intermediate transfer belt with the DCC sensor, delivering stable high quality for a wide range of densities through 2 types of density calibration.

Stable colour reproduction

High precision registration mechanism

A registration using mechanism capable of highly accurate detection of paper misalignment and skew holds critical professional and accurate finish of duplex printing, which is in high demand in following processes, including trimming and binding. The mechanism also automatically corrects paper feeding misalignment in the main unit, contributing to both improved quality and higher productivity.

Highly accurate and automated tone correction

Auto-calibration system

An output paper density adjustment function to correct gradation density to match output paper characteristics is equipped on the output side. (SUI-516). Adjustments are performed using the paper actually used to enable accurate gradation adjustment matched to paper characteristics. A mode that measures secondary colour (BIC) and tertiary colour (or colour gray) in addition to CMYK as target colours has been added to further enhance accuracy.

Consistent image positioning

Auto-refining developing system

A new carrier is supplied together with the toner to refresh the carrier in the developer, stabilising the developer condition to maintain high image quality throughout the system lifetime. The longer developer life also minimizes downtime.

Stabilised developer
Flexibility

Compatible with a wide range of paper thickness and length for expansion of the print services

In addition to normal print jobs, AccurioPress flexibly supports various print jobs including 350gsm thick paper and maximum 1,300mm banner printing as well as auto duplex banner printing and low cost, stable envelope printing. The enhanced capability to handle a variety of print jobs contributes to expansion of new services and business opportunities.

Supports wide range of paper weight

**Thick paper printing up to 350gsm**

Capable of 350gsm thick paper printing. In addition to sample package printing, print service variations are expanded to include tags, CMYK stand menus and sales promotion tools.

Optimum use of paper with multiple imposition

**A3 full-bleed printing**

AccurioPress is compatible with a maximum paper size of 330 x 487mm and a maximum printing area of 323 x 480mm. As well as A4 full-bleed A3 size printing with registration marks, the system is also capable of duplex A4 printing with registration marks.

Reliable paper feeding

**Air suction paper feed system**

The PF-70I is a paper feeder unit that incorporates a suction function. In addition to the air suction function that blows air from the sides and front to separate sheets, the sheet is adsorbed onto the suction belt for reliable conveyance. Optimised air control enables the paper to feed reliably without paper jams. High quality envelope printing is achieved, even when performing high speed printing. In addition, conveyor and universal envelopes can be used thanks to less difference in glossiness on the overlapped area, contributing to a reduction of overall printing cost as well.

High speed printing with dedicated fusing unit

**Envelope printing**

Using an Envelope-dedicated Fusing Unit (EF-103), stable and high quality envelope printing is achieved, even when performing high speed printing. In addition, conveyor and universal envelopes can be used thanks to less difference in glossiness on the overlapped area, contributing to a reduction of overall printing cost as well.

Further enhanced banner printing function (option)

**1,300mm banner printing**

Banner printing capability of 1,300mm, which is already the longest in its class, is enhanced to accept 1,300mm. With this capability, it is now possible to print A4 of letter size 6-up on the sheet, making it possible to provide unique print materials for catalogues, pamphlets and sales promotion tools, as well as impressive posters.

**Auto duplex banner printing**

An auto duplex banner printing function is available that can accept a maximum of 362mm long, allowing efficient print work for the production of A4/A4 letter size 24-up menus, pamphlets and catalogues.

Supports high volume banner printing

**Large capacity feeding of both normal and banner formats**

Mounting a Large Capacity Feed Unit (LU-200XL) compatible with banner paper and a Banner Print Kit (MK-740M) enables continuous feeding of banner paper. As a result, enhanced output unit, continuous output of a maximum 1,000 banner sheets is made possible, which produces substantial efficiency in printing of large volumes of book covers, etc. In addition, the Large Capacity Feed Unit can be connected to 3-day Paper Feed Unit (PF-70I), allowing a volume printing of normal format as well flexible handling of various jobs is made possible.

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High Productivity

Maximising the operation rate in production responds to various jobs in a speedy manner

Output speed as high as 71ppm (A4) is realised. In addition, thanks to an overall increase in production time purely for printing including adoption of a high speed dual colour scanner and decrease in adjustment time using Intelligent Quality Optimiser, contribution to high volume print jobs and shorter turnaround is enhanced.

**High speed output capable of 71 ppm (A4)**

It maintains constant speed up to 71 ppm, contributing to productivity.*

* For the case of C3070P/C3070P's monochrome output

**High speed dual scan colour scanner**

High speed scanning at 240 ppm† is possible for both monochrome and colour originals by a simultaneous scanning both sides through one pass. With a stack capacity of a maximum of 300 sheets, digitalisation of documents is performed in a speedy way. In addition, the addition of a double-fail detector on the machine allows efficient work with fewer errors.*

* When Duplex
† When Duplex

**High volume paper supply for minimum downtime**

**Large capacity paper feeding & stacking**

Connecting a 4-tray Paper Feed Unit (PF-1070m)** in tandem in addition to the main unit tray with a paper-feeding capacity of 1,500 sheets realises a maximum paper-feeding capacity of 15,390 sheets. An efficient print work is realised even in a high-volume printing by reducing the time and effort for paper replenishment. In addition, connecting two units of Large Capacity Stacker (LS-500m)** in series allows stacking a large volume stack as much as 10,000 sheets. Finished documents can be taken out with the car as they are for ease of transport to the next process.

**Large Capacity Output Tray (OT-S10)**

Output tray to accept up to 4,000 pages stack. Abundant paper stack capacity helps improve the efficiency in the workflow where post-processing is a main work.

* Optional: HP Output Trays can be used based on region

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**Curl correction function realises both quality improvement and efficient post-processing at the same time (option)**

**Real-time curl correction**

Curl adjustment without downtime

Real-time curl correction is made possible by adding a Humidifier Unit (HU-101) to the system. Curl can be adjusted very precisely in 20 sheets. This provides flat surface prints without interchanging print operation, and reduces the workload and waste in post-processing.

**Hybrid curl adjustment**

Improves workability in the post-processing

The hybrid decurling mechanism using two functions can be configured by adding a Humidifier Unit (HU-101) to the Humidifier Unit (HU-101) in which a mechanical decurler is already mounted in standard. The humidifying function cools down the sheet that was heated in the fusing unit, and provides moisture but from the sheet back to reduce the stiffness for effective curl adjustment. This not only corrects the curl but also provide an expectation for removal of static electricity, which substantially contributes to the work efficiency in the post-processing.

The replenishing water for the humidifier is easily supplied from upper part of the HU-101 during printing.
Inline Finishing

Efficient post-processing is enabled with high-spec in-line finishers (optional)

A wide range of in-line options matched to such applications as saddle-stitching, perfect binding of the thickest pages in its class and various folding functions to satisfy different needs is available. High-quality post-processing meeting professional specifications is efficiently achieved with superb operability, which generates substantial advantages for cost and turnaround in the full-scale in-house production.

New Options to enhance Job Flexibility Quality Stabilization with RU-S18

- Straight paper path: Reduces scratch problems and capable of envelope printing
- Sheet-time de-curling: Curl adjustments during printing without downtime
- Hybrid De-curling: Mechanical de-curl + Moisture de-curl to eliminate static problem
- Easy operation: Improved water replenishing operation for HM-103
- Purge tray: Compatible with 1,300mm banner paper and jammed paper purging

Inline finishing with SD-510 (optional) with FS-532

- Able to fold & staple, multi-half fold, multi-tri fold and then outputs the sheets to the output tray
- Capability to handle media of 50 to 216gsm

Saddle-Stitcher (SD-506)

Capable of saddle-stitch bookbinding of up to 200 pages (80gsm) and finished as standard with an fore-edge trimming function, multi-centre folding and multi-tri folding functions

For small lot manual and catalogue

Standard class finishers

Finisher (FS-531/FS-612)
The FS-531 is capable of side stitching of a maximum of 50 sheets (80gsm), in addition to a side-stitching function, FS-532 is furnished with a saddle-stitching function and 2 types of folding functions for a maximum paper size of SRA3. If necessary, the system can be expanded to include functions for tasks such as punching and cover sheet insertion.

Space-economical all-in-one stapler

Finisher (FS-532)
The stapling finisher with staple cutter is capable of stapling up to 100" sheets. Three sub-assemblies can be mounted to expand the system to enable saddle-stitching, postinsertion and punching, making it possible to perform multiple operations in a small space.

Booklet making up to 600 pages

Perfect Binder (PB-503)

Perfectly binds up to 600 pages or up to 30mm thick. Case-bound up to 216 gsm can be used to create a cover to realise high-quality bookbinding through advanced paper alignment. In addition, use of Fold-Folding Unit (FD-502) enables insertion of 2-fold sheets while perfect binding is in process. This enables flexible book-binding work owing to the ability to insert A3 size drawing sheets in booklets such as reports and manuals.

Multi-Folding Unit (FD-503)

Capable of double parallel and gate fold, as well as normal centre fold, tri-fold, Z-fold. Furnished with features useful for producing OMs such as a wide variety of folding functions, and Z- and X-Robe punching functions, as well as a sheet inserter function capable of setting two different insert sheets.

For small lot manual and catalogue
Usability

Selectable controllers and linkage solutions to optimise the printing environment

High-speed controllers to provide efficient operation and stable quality are available to select from depending on the usability. Realisation of optimum workflow using various solution applications in addition to the linkage with AccurioPro Solutions and office machines enables to structure an advanced printing environment that leads to labour-saving.

Featuring high affinity with the advanced job & colour management

Konica Minolta Image Controller [IC-605]

Job control/editing is enabled also from the main unit control panel

- Enables job management including job ticketing and pagination with jobflow operation. Time curves can be also adjusted in a similar manner to that of Color Centro. In addition, connecting a USB mouse provides an operational environment similar to a PC.

Color Centro (Colour Management Utility)

Equipped with Exact Color, which performs high-precision 3D calibration, realising a major improvement in colour adjustment capability over conventional 3D calibration. Work, editing, setting, and other tasks relating to colours match to the main body can be performed, such as colour adjustment, creation of colour profiles and simulations. These functions are also available for RIP files.

- ICC profile adjustment
- Quick setting of colour management
- Displayed colour reference

Equipped with APPE 4.2 (optional)

Equipped with Adobe's APPE 4.2 (Adobe PDF Print Engine 4.2), which directly processes PDF files without having to access a printer driver for appropriate transparency.

- Transparency adjustment
- Transparency in ICC profile
- Transparency in printer profile
- Transparency in correct profile

JDF compatibility

Thanks to compatibility with JDF, a standard format for the display and transfer of jobs between printing processes, the operator can use familiar CTP workflow RIPs such as APOGEE, ECOLOGY, and Primergy® for a hybrid workflow with a seamlessly connected offset printer. Digital printing thus becomes an offset printing option that enables more flexible handling.

- JDF Job Proofs
- JDF working
- JDF Upstream

AccurioPro Print Manager

Using the web browser, the job management through sophisticated interfaces is made available. An easy-to-use interface having a high degree of usability with the main body panel and printer drivers supports more efficient operation. In addition, Color Centro also can be started up from this screen, enabling seamless management performance.

AccurioPro HotFolder

The printer comes equipped with a Hotfolder utility that further enhances convenience and agility by automatically importing and processing items such as documents and pre-registered names etc.

- Submitter data
- Submitter name
- Submitter file name

Controllers with high-speed functions and usability

Fiery Print Controller [IC-313 / IC-417]

- High speed processing & high quality
  - Realizes both ripping at 300ppm - 850k and high-speed processing. With a wide range of colour profiles, flexible colour management is made possible.

- Colour management
  - EC-313/417 performs colour management for each CMYK, RGB and spot colour space irrespective of the application or file format, making it ideal for colour management matched to purposes such as printing and production of final materials.

- Equipped with APPE 4.4
  - Equipped with a new APPE 4.4 (Adobe PDF Print Engine 4.4), which supports transparent effect processing of PDF files as standard.

Cree Print Controller [IC-314]

- Improved affinity with Cree RIP

- Improved productivity by optimising the workflow

Job Management Solution

AccurioPro Conductor

Unified management of multiple printers together with automated operation of various functions helps substantially improve work efficiency. By allowing seamless processing of print jobs that are different in profile and purpose, a function is also available to automatically print only the monochrome pages of the document on a low cost monochrome printer, contributing to a reduction in overall print cost.

- Management
- Paper
- Conductor
- Job

OpenAPI/IFS supported

Supports both Conductor that enables linkage to office machines. Adding and registering the application in the main unit allows the operation panel on the main unit to connect to various cloud-based services® and SharePoint Server®, realising a linkage with external services including upload of scanned data and direct print. In addition, incorporated OpenAPI 4.1 also utilises an OpenAPI application including authentication, charging and ubiquitous printing, etc.

Ecological Design

- Energy-saving design
  - In addition to the energy-saving performance targeted by Simplus®, an optimised printing process reduces finishing temperatures to reduce energy use.

- Environmentally considerate materials
  - Using a high combination of wood-pulp, resin and bioplastics, resources are effectively used and environmentally considerate materials are actively employed. A cardboard tray is also adopted to protect the environment as well as the user’s health.
## Specifications - Options

### Punch Kit PK-512013
- **Punch Type**: 4 mm (4 holes right), 6 mm (6 holes)]
  - **Punch knife life**: approx. 14,000 sheets
  - **Punch weight**: approx. 350 g
  - **Paper capacity**: up to 100 sheets

### Finisher FS-531
- **Finish Weight**: approx. 2,500 g
  - **Paper quality**: 70 g/m² or less
  - **Max. number of sheets**: 12,000
  - **Max. number of pages**: 6,000

### Auto Ring Binder GP-452
- **Available in limitations**: 4 mm (4 holes right), 6 mm (6 holes)
  - **Max. number of sheets**: 100 sheets, up to 1,600 sheets
  - **Max. paper weight**: approx. 140 g/m²

### Finisher FS-522
- **Finish Weight**: approx. 2,500 g
  - **Paper quality**: 70 g/m² or less
  - **Max. number of sheets**: 12,000
  - **Max. number of pages**: 6,000

### Large Capacity Output Tray OT-610
- **Paper capacity**: approx. 500 sheets
  - **Max. number of sheets**: 2,000
  - **Max. number of pages**: 1,000

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## Dimension

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## AccurioPress C3070/C3070P General Specifications

### Type
- **Copy**: Continuous
- **Printer**: Continuous

### Colour
- **Standard Colour**: True Colour (16.7 million colours)

### Printer
- **Max. resolution**: 3,600 x 1,200 dpi

### Memory
- **RAM**: 1 GB
- **Hard Disk**: 1 TB

### SPECIFICATIONS

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*Note: Specifications are subject to change without notice.*