

KONICA MINOLTA

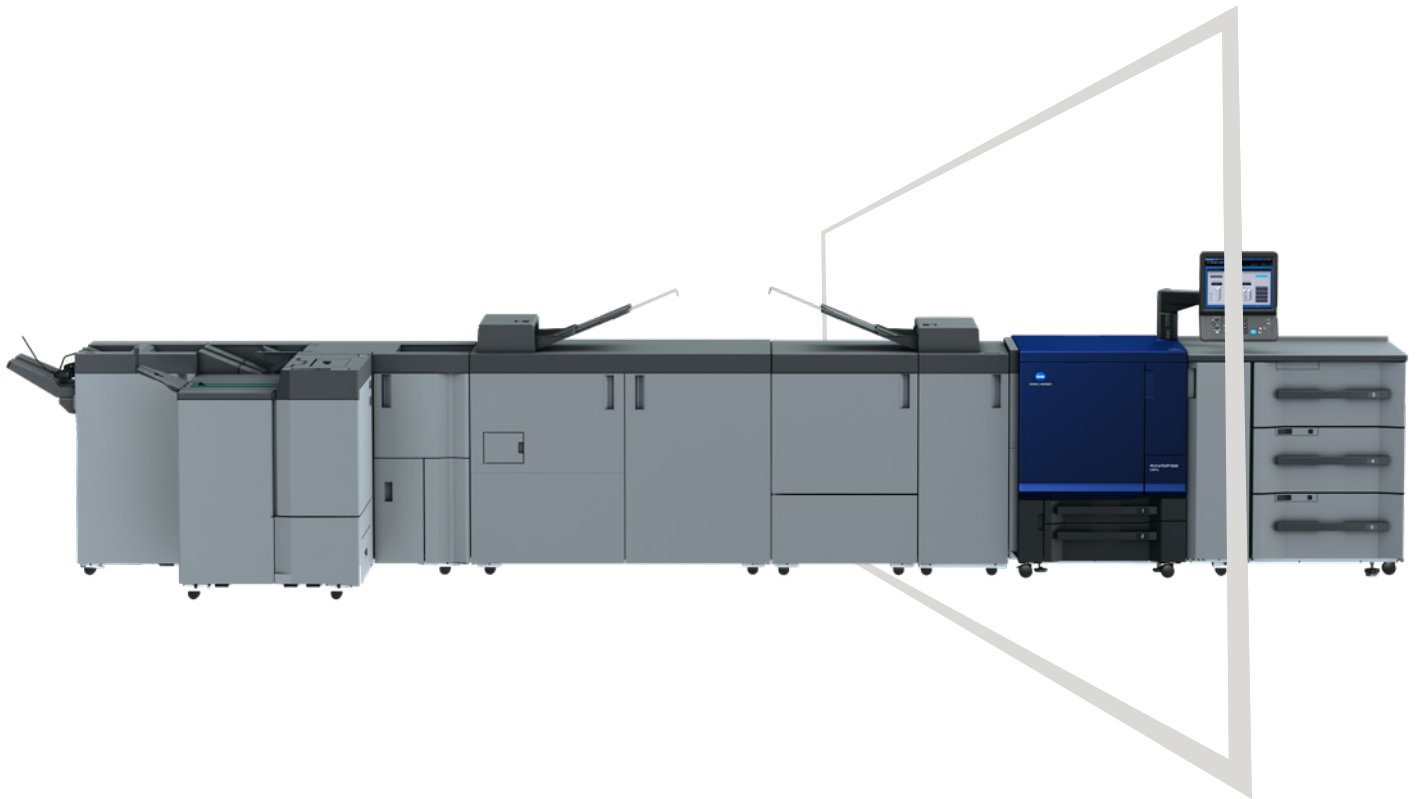
AccurioPress C84hc

# CAPTURE THE TRUE COLOR OF LIFE

RETHINK HIGH CHROMA PRINTING



Giving Shape to Ideas



# A NEW WORLD OF COLOUR REPRODUCTION

## INTRODUCING THE AccurioPress C84hc FROM KONICA MINOLTA

Recreating images accurately, just as you captured them, is not always possible with conventional CMYK inks and toners. The AccurioPress C84hc has been uniquely engineered to solve this problem and bring your customers' work to life complete with its original vibrancy.

Colours seen in screen or images shot using a digital camera can express a wider colour gamut than CMYK used for conventional printing.

As the world's only printer that uses a new toner free of the restrictions imposed by the colour gamut of conventional toners, the AccurioPress C84hc offers a great solution to such problems.

With combination of the wider colour gamut and higher L\* value of high chroma cyan toner than that of CMYK toner, clear and bright colours can be maintained especially for bright blue and green.





# INNOVATE PRINT

## RETHINK TECHNOLOGY

### Intelligent Quality Care

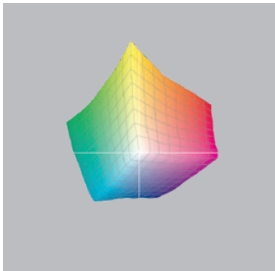
The IQ-501 Intelligent Quality Care Unit takes color consistency and registration accuracy to the next level. With highly automated image registration and color control, a closed-loop system that constantly monitors and adjusts printed output, and automated color calibration and profiling, IQ-501 delivers streamlined operator time, reduced print waste, and industry-leading productivity!



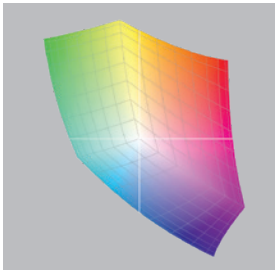
### High Chroma Toner

Konica Minolta unique toner innovation ensures consistently excellent image output quality on par with offset quality. The images produced have razor-sharp edges and lines, outstandingly solid colours, and brilliant half-tone and skin-tone quality. The secret behind the quality of the HC toner is that it was engineered to easily follow the roughness of the paper surface to achieve an optimised and natural lustre for each type of paper – from glossy and matt coated paper to non-coated paper.

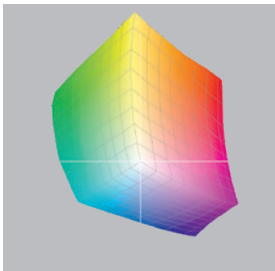
By utilising high chroma magenta toner, vivid and clear pink and purple colours can be obtained. Graphic designer and illustrator sometimes have to give up to use these colour they want use. High chroma toner get rid of the restrictions. The high L\* value helps to create smooth and less graininess skin tone that is good for photo related applications. Also, the vivid colour make possible to create eye-catching poster, POP and so on that makes big differentiation from other printers.



CMYK colour space



sRGB colour space



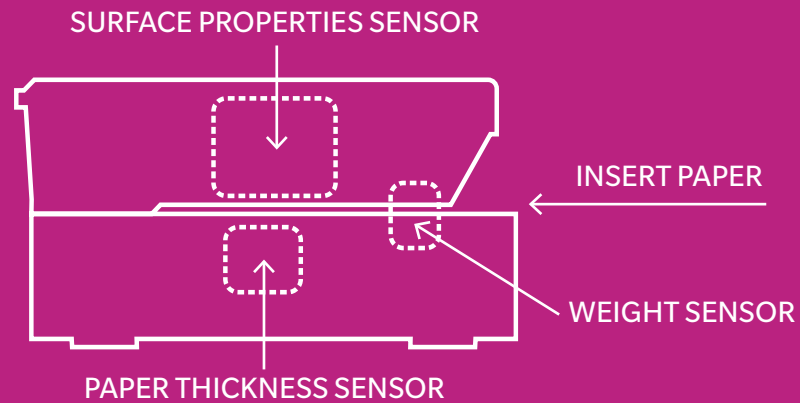
HC toner colour space



### Media Detection Sensor

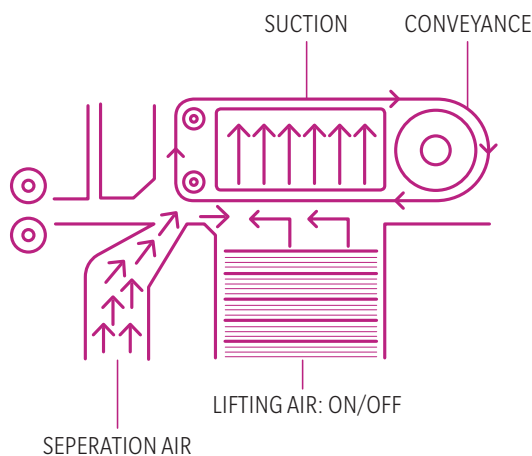
The optional media sensor IM-101 automatically detects the type, weight, thickness and surface of each substrate, and proposes the appropriate paper

settings from the catalogue, which makes wrong paper settings a thing of the past avoiding misprints and waste.



### S.E.A.D. X Image Processing

Konica Minolta's own advanced colour processing technology of the fifth generation is called S.E.A.D. X, which stands for "Screen-Enhancing Active Digital Process", and combines an array of technical innovations to guarantee truly exceptional colour reproduction at top speed.



### Vacuum paper feeding

It is essential for high-volume printers to feed each and every sheet smoothly and precisely through the digital press. To ensure this, Konica Minolta offers professional and intelligent paper feeding that builds upon proven concepts, including a combination of air separation of sheets and suction/ vacuum feeding. This ensures smooth paper processing throughout the printing system. For efficient printing on offset preprinted and coated stock as well as under high humidity conditions, an optional heating unit can be added to enhance this precise technology further.











# STATE-OF-THE-ART PRINT SERVER

## RETHINK USER EXPERIENCE

### THE IC-609 KONICA MINOLTA OWN CONTROLLER

The Konica Minolta IC-609 print controller brings powerful workflow benefits – including 2,400 dpi printing at full rated engine speed, high-speed RIP processing, enhanced accuracy in colour reproduction, colour management functions and full compatibility with print engine on-board job control and editing functions.

### THE IC-317 FIERY® IMAGE CONTROLLER

Providing advanced job management and workflow automation, the Fiery® IC-317 reduces labour costs, cuts turnaround times, and minimizes errors as well as waste. The instant visual preview and advanced make ready capabilities streamline job layouts. Support of industry-leading variable data printing (VDP) formats facilitates the profitable production of personalized short-run jobs.

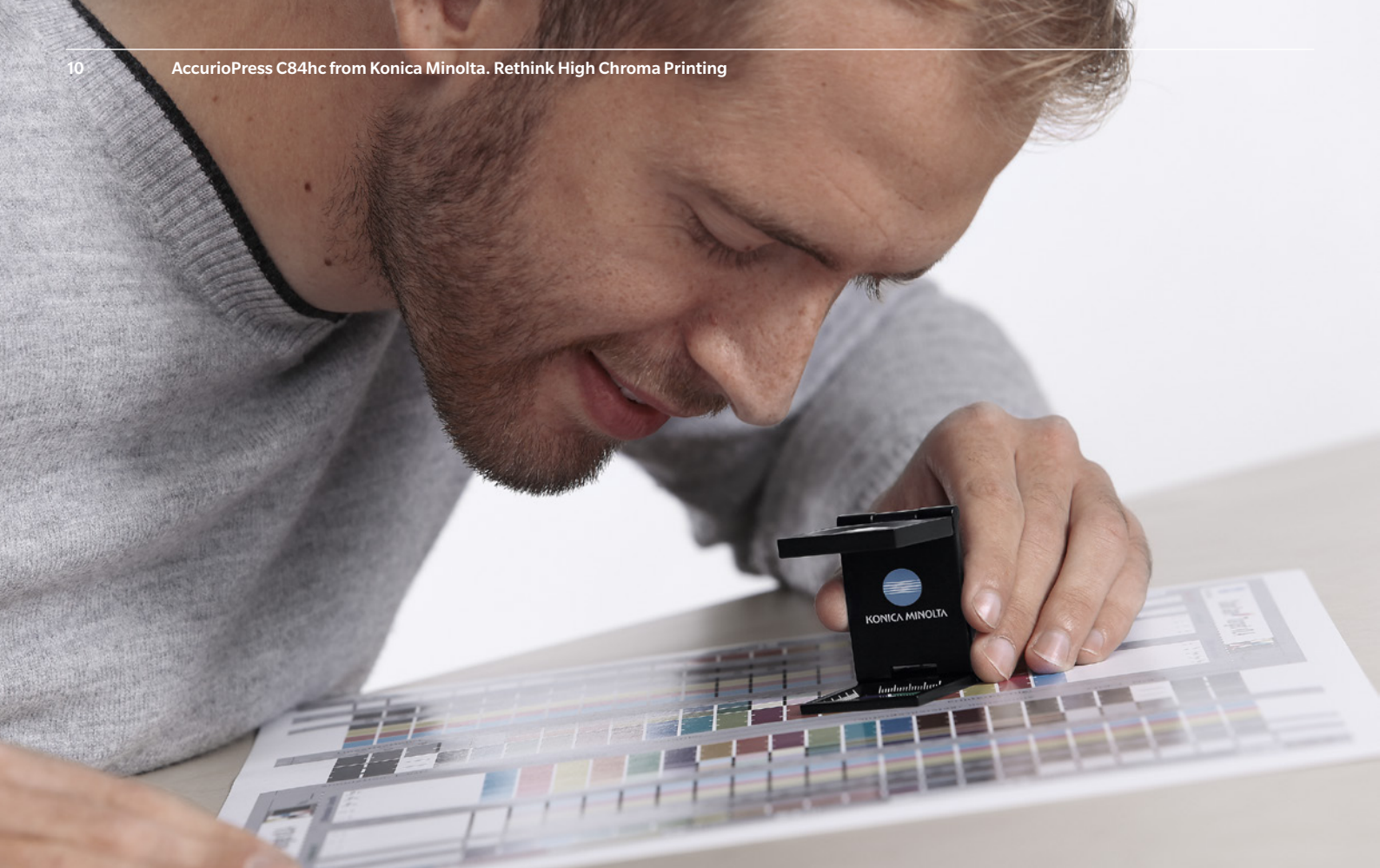
### THE IC-419 INTERNAL FIERY® IMAGE CONTROLLER

As the embedded Fiery® controller alternative, the IC-419 offers a combination of affordability, versatile colour management and PCL support plus a wide range of security features. It helps improve the ease of use of AccurioPress systems, and simplifies workflows so that our digital colour presses deliver truly professional print results, making any configuration an ideal business solution for your company's printing facilities.









# STREAMLINE YOUR PRODUCTION RETHINK YOUR WORKFLOW

Evolving from our expertise in precision technologies and more than 80 years of experience in the printing and imaging industries, AccurioPro reflects our commitment to developing market-shaping technology with functionality that enables your business to grow. AccurioPro, Konica Minolta's suite of digital solutions for professional printing, is one of the industry's most versatile and powerful tools to optimise print production operations and workflows.

For all printing companies looking to integrate their printing as well as businesses that use digital printing to produce their own in-house publications and promotional materials, AccurioPro boosts speed and

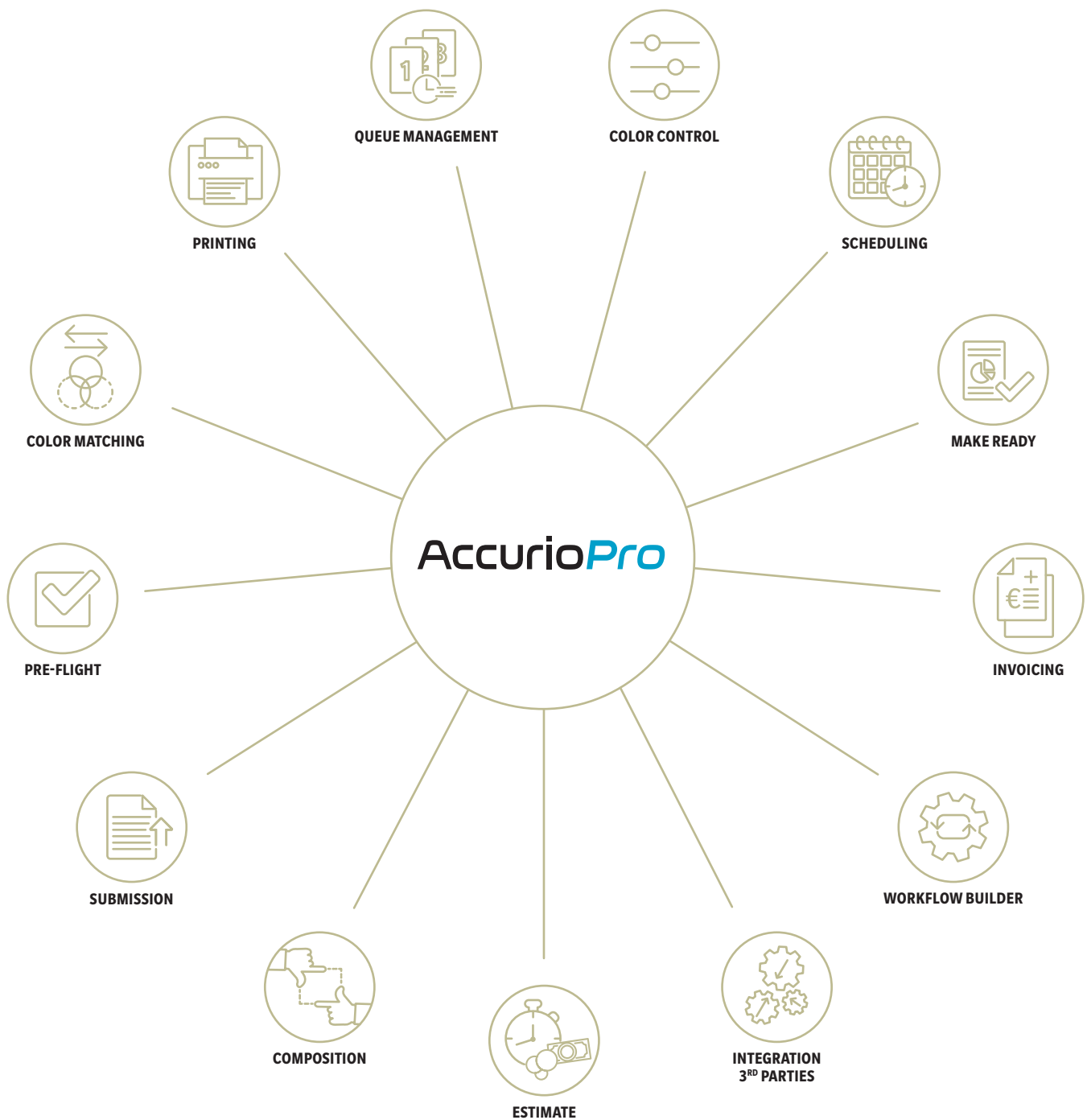
efficiency, expands capabilities and services, and reduces the need for operational manpower – all of which will help improve your profitability!

The comprehensive suite of features that AccurioPro offers includes centralised management, software for automated workflow processing, colour management, seamless integration of different printing technologies and full connectivity of all Konica Minolta printing systems used from input to output.



# AccurioPro POSSIBILITIES

## RETHINK YOUR WORKFLOW



# YOUR ADVANTAGES WITH THE AccurioPress C84hc

## RETHINK PRODUCTION PRINTING

### HIGHEST RELIABILITY

- Long-life platform, long-lasting parts and consumables
- Registration-swing mechanism for accurate duplex registration
- Fusing-rolling mechanism

### 3<sup>RD</sup> PARTY FINISHING

- GBC Punch G3 for multi punching
- GBC Binder G1 for wire bound books
- Max MB-200 for plastic bound books
- Plockmatic SD-450/435 booklet making unit

### DURABLE PERFORMANCE

#### AccurioPress C84hc

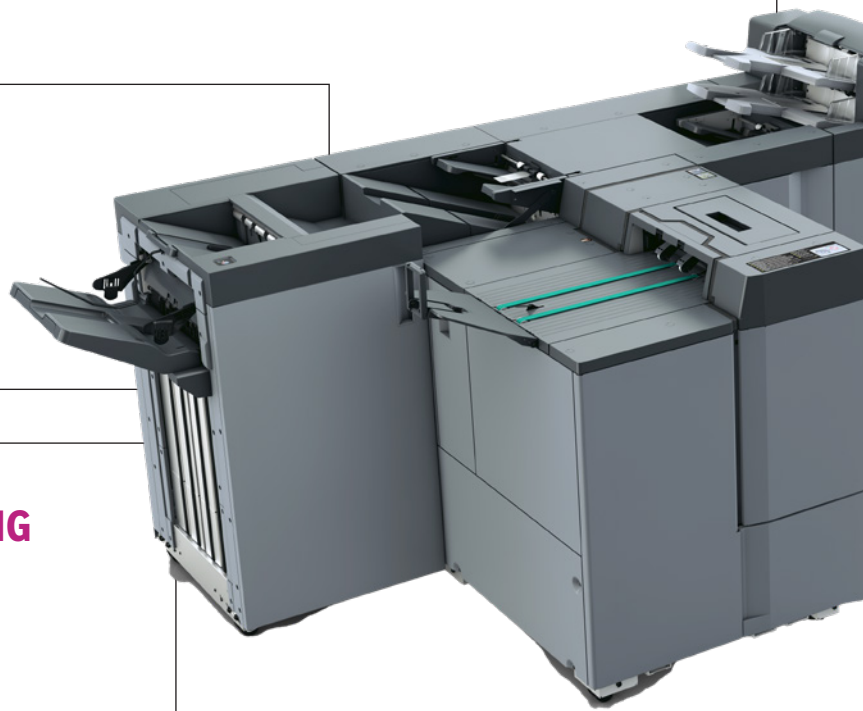
- Up to 81 A4 pages per minute
- Up to 39 SRA3 pages per minute

### GEARED-UP FINISHING

- 2- & 4-hole punching
- 6 different types of folding
- Large-capacity stacking
- Perfect Binding
- 2 Perforations in feed direction,  
5 Perforations in Cross feed direction
- Up to 5 Creases downwards or upwards

### READY-MADE PRINT PRODUCTS

- 50-sheet booklet making with front trimming and 35-sheet booklets with optional creasing, slitting and spine corner forming
- Perfect binding for books of up to 30 mm
- 100-sheet stapling with cutting mechanism
- Automated inline business card and postcard cutting
- Full bleed banners, A3 and A4 posters





## HIGH-END PRINT CONTROL

- Flexible choice of controller technology:  
Fiery® or proprietary  
Konica Minolta controller
- Integration into hybrid workflows

## EASE OF USE

- Simple paper catalogue settings
- Operator Replaceable Parts
- Auto Inspection Technology

## SIMPLY EFFICIENT

- Automated engine linearisation
- Automated duplex registration
- Automated profiling
- Real-time adjustments
- Purge function

## SOPHISTICATED MEDIA HANDLING

- Air suction or air-assisted paper feeding technology
- Up to 11 paper trays
- Long sheet printing of up to  
1,300 mm (simplex), 864 mm (duplex)

## PERFECT IMAGE QUALITY

- S.E.A.D. X technology and  
3,600 x 2,400 dpi x 8 bit resolution)
- Simitri HDe High Chroma toner
- Image density control technology

## COMPREHENSIVE MEDIA PROCESSING

- Up to 360 gsm paper weight in simplex and duplex
- Optional media sensor estimates paper weight and type
- Envelope print function as standard
- Support for embossed paper





# FINISHING & FUNCTIONS



Letter fold

2/4 hole  
PunchingTwo-point  
staplingCorner  
stapling

Stacking



Booklet



Trimming

Open stacker  
**OT-512**



Ring binding unit  
**MB-200 Max Finisher**



Staple finisher  
**FS-532m**



Booklet making unit  
**SD-513**



Stacking unit  
**LS-507**



Folding and punching unit  
**FD-503**



Perfect binding unit  
**PB-503**



Booklet making unit  
**SD-506**



Trimming unit  
**TU-510**



Booklet making unit  
**Plockmatic SD-450/435**



Booklet making unit  
**Plockmatic Powersquare 224/160**




































Ring binding unit  
**GBC G1**



Multi punching unit  
**GBC G3**



	 Creasing	 Perforation	 Slitting	 Square-folding	 Multi Letter fold-In	 Post Insertion	 Perfect Binding	 Wire-binding	 Ring-binding	 Multi-punching	
											ENTRY
											
											MID
											
											
											
											HIGH
											
											
											
											











# 10 GOOD REASONS FOR AccurioPress C84hc



## 1. SUPERB COLOUR REPRODUCTION WITH HIGH PERFORMANCE

Only one electro-photo system that reproduces colours close to sRGB that is never been reproduced with ordinary CMYK systems.



## 2. PERFECT IMAGE QUALITY

with Konica Minolta's very own Imaging Technology and Toner development.



## 3. SELECTABLE PRINT MODE

By the selectable print mode, both of colours close to sRGB and colours closer to CMYK can be obtained with one system. Let your customer decide.



## 4. LOW LEARNING CURVES

Precise colour matching, even for novice operators, avoids or at least minimises learning curves.



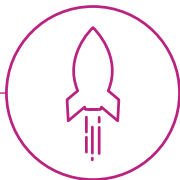
## 5. SIMPLY EFFICIENT

with Media Detection Sensor, Intelligent Quality Optimizer and many unique inline finishing options.



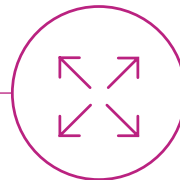
## 6. PANTONE COLOUR REPRODUCTION

Easy to reproduce a big portion of Pantone colours is the ideal solution for Offset printer who want to print short runs on the AccurioPress C84hc.



## 7. GIVE PRODUCTIVITY A BOOST

Make time-consuming colour setup a thing of the past and print up to 4,399 sheets per hour.



## 8. WIDE PAPER COMPATIBILITY

Media up to 360 gsm. Excellent versatility with class leading banner printing, envelop printing and texture printing capabilities.



## 9. BETTER COLOUR QUALITY & SKIN TONE

Enabling realisation of smooth skin tones with reduced skin texture roughness and less graininess. High-quality prints can also be supplied for items such as small-lot cosmetics or apparel catalogues.



## 10. WORRY-FREE OPERATION

Real-time quality control for consistent and faultless print products



# TAKE LEADERSHIP AND RESPONSIBILITY

## RETHINK TOMORROWS' BUSINESS

### MADE YOUR BUSINESS

#### Commercial printers

The AccurioPress C84hc delivers in-line, closed-loop quality management for automated colour calibration and control, and in-line automated image registration, without the need for highly specialised press operator skills. Combined with its ability to print on media up to 360 g/m<sup>2</sup>, envelopes and long sheet banners, the C84hc brings your commercial print business a whole new world of possibilities.

The wider colour gamut of the high chroma toner used by AccurioPress C84hc utilises colour materials featuring greater saturation and brightness, enabling realisation of smooth skin tones with reduced skin texture roughness and less graininess, making it ideal for studio photograph and photo book printing.

#### CRD

The AccurioPress C84hc series provides the highest degree of automation and produces quality on the highest level. With its professional inline finishing, you can create ready-made products at the push of a button; and the Intelligent Quality Optimizer IQ-501 makes sure that the print quality is automatically set. AccurioPress C84hc also covers most of the CMYK colour gamut, High Chroma Toner enables the creation of beautiful prints of ordinary CMYK files with ease simply by applying CMYK profiles. The HC Toner enables also a better spot colour reproduction for company logo's.

#### Design for our planet

Konica Minolta promotes sustainable development and integrates environmental and social perspectives into its business strategies. You can rely on Konica Minolta products to underpin your green strategy to build your business. Committed to help prevent global warming, Konica Minolta strives to reduce CO<sub>2</sub> emissions during product manufacture, product distribution, at the sales stage, and during product use – with even stricter targets than demanded by the Kyoto Protocol. Enabling carbon neutrality, Konica Minolta offers its customers the offset of unavoidable CO<sub>2</sub> emissions for production printing.







# CONTROLLER AND OPTIONS

## RETHINK THE NEEDS

### FIERY® IMAGE CONTROLLER IC-317

Architecture	External
OS	Windows 10
CPU	Intel® Core™ i5-8500
Clock speed	3.1 GHz
RAM std	8 GB
HDD	1 TB SSD Boot Drive
Page-description language	Adobe PostScript 3; native PDF print support V2.0; 183 Adobe PS fonts; APPE v5; CID fonts; PCL5/PCL6; Optimized PDF & PS; Fiery® FreeForm Plus; Fiery® FreeForm; PDF/VT-1/2; Creo VPS
Applicable OS	Windows 8.1/10; Windows Server 2012/R2/2016/2019; Mac OS X 10.11–15

### FIERY® IMAGE CONTROLLER IC-419

Architecture	Internal
OS	Linux
CPU	Intel® Pentium® Processor G5400
Clock speed	3.7 GHz
RAM std	8 GB
HDD	1 TB SSD Boot Drive
Page-description language	Adobe PostScript 3; native PDF print support V2.0; 183 Adobe PS fonts; APPE v5; PCL5/PCL6; Optimized PDF & PS; Fiery® FreeForm Plus; Fiery® FreeForm
Applicable OS	Windows 8.1/10; Windows Server 2012/2016/2019; Mac OS X 10.11–15

### KONICA MINOLTA IMAGE CONTROLLER IC-609

Architecture	Internal
OS	Linux
CPU	Intel Core i5 6500
Clock speed	3.2 GHz
RAM std	16 GB
HDD	2 TB (2 x 1TB)
Page-description language	Adobe PostScript 3; APPE (with UK-220); TIFF v6; PDF 1.7, X-1a, X-3, X-4, VT2; PPML 2.2; PCL 5c; XL; PCL XL; JDF/JMF
Applicable OS	Windows 8.1/10; Windows Server 2012/R2/2016/2019; Mac OS X 10.11–15

### OPTIONS

KM Image Controller	IC-609
Fiery® external Controller	IC-317
Fiery® internal Controller	IC-419
Paper Feeding Unit	PF-602m
Dehumidifier heater	HT-504
Paper feeding unit	PF-707m
Dehumidifier heater	HT-506
PFU connection Kit	FA-502
Large capacity feeding unit	LU-202m
Dehumidifier heater f. LU	HT-503
Envelop printing guidef. LU	MK-746
Large capacity feeding unit (banner)	LU-202XLm
Multi bypass feeding	MB-508
Banner Paper Feeder kit	MK-760
Multi bypass tray	MB-509
Intelligent Media Sensor	IM-101
Output Tray	OT-511
Relay Unit	RU-518m
Humidifier	HM-103
Intelligent Quality Optimizer	IQ-501
Purge Unit	RU-702
Auto Inspection Unit	UK-301
Envelop Fusing Unit	EF-107
Long Sheet Kit (Output)	MK-761
3rd party Interface	MK-737
Trimmer Unit	TU-510
Creasing kit (Downwards)	CR-102
Creasing kit (Upwards)	CR-103
Center Slit kit	TU-504
CD Perforation kit	PE-102
FD Perforation kit	PE-103
Banner paper kit	MK-764
Business Card kit	JS-507
Folding and Punching Unit	FD-503
Stacking Unit	LS-507
Handcart	LC-502
Booklet Making Unit	SD-506
Booklet Making Unit	SD-513
Square Folding Kit	FD-504
Slitter Kit	TU-503
Creaser Kit	CR-101
Perfect Binding Unit	PB-503
Stapling Unit	FS-532m
Saddle Stitcher Kit	SD-510
Punch Kit	PK-525
Post Inserter Kit	PI-502
Press & Trim Kit	PT-220
Corner Forming Kit	SF-204
Output Tray Unit	OT-512
Long Sheet Kit (Output)	MK-761
Ring Binding Unit	MB-200
GBC Punch Unit	GBC Punch G3
GBC Wire Binding Unit	GBC Wire G1
Booklet Making Unit	Plockmatic SD-450/435
Booklet Making Unit	Plockmatic Powersquare PSQ-60/224









KONICA MINOLTA

# TECHNICAL SPECIFICATIONS

## RETHINK PRODUCTION PRINTING

### SYSTEM SPECIFICATIONS

Resolution	3,600 x 2,400 dpi x 8 bit
Paper weight	62 – 360 g/m <sup>2</sup>
Paper sizes	330.2 x 487.7 mm 330.2 x 862 mm (max. duplex) 330.2 x 1300 mm (max. simplex)
Paper input	Max.: 15,390 sheets
Dimension (WxDxH)	800 x 903 x 1076 mm
Unit weight	approx 305 kg

### PRODUCTIVITY

#### AccurioPress C84hc

A4 – max. per minute	81 ppm
A3 – max. per minute	45 ppm

- All specifications refer to A4-size paper of 80 gsm quality.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.
- The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4). The actual life of each consumable will vary depending on use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.
- Some of the product illustrations contain optional accessories.
- Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.
- Konica Minolta does not warrant that any prices or specifications mentioned will be error-free.
- All brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.