A NEW WORLD OF COLOUR REPRODUCTION

INTRODUCING THE AccurioPress C84hc/C74hc FROM KONICA MINOLTA

Recreating images accurately, just as you captured them, is not always possible with conventional CMYK inks and toners. The AccurioPress C84hc/C74hc 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/C74hc offers a great solution to such problems.
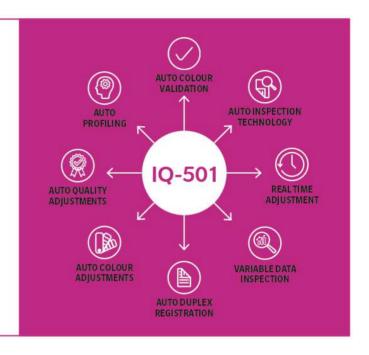
With combination of the wider colour gamut and higher L* value of high chroma cyan toner than that of CMYK toner, clear and bright colours can be maintained especially for bright blue and green.

INNOVATE PRINT
RETHINK TECHNOLOGY

Intelligent Quality Optimiser

The IQ-501 Intelligent Quality Optimiser takes colour 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!

AUTO COLOUR VALIDATION

AUTO PROFILING

AUTO INSPECTION TECHNOLOGY

IQ-501

AUTO QUALITY ADJUSTMENTS

REAL TIME ADJUSTMENT

AUTO COLOUR ADJUSTMENTS

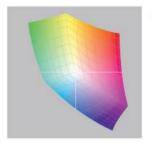VARIABLE DATA INSPECTION

AUTO DUPLEX REGISTRATION

High Chroma Toner

Konica Minolta unique toner innovation ensures consistently excellent image output quality on pair 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.
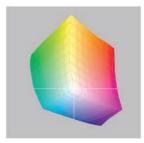
By utilising high chroma magenta toner, vivid and clear pink and purple colours can be obtained. Graphic designer and illustrator sometimes have to give up to use these colour they want use. High chroma toner get rid of the restrictions. The high L* value helps to create smooth and less graininess skin 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.
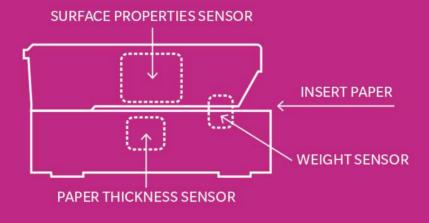
CMYK colour space

sRGB colour space

HC toner colour space
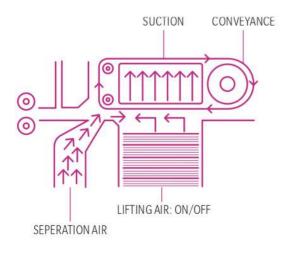
Media Detection Sensor

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.

SURFACE PROPERTIES SENSOR

INSERT PAPER

WEIGHT SENSOR

PAPER THICKNESS SENSOR

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.

SUCTION   CONVEYANCE

LIFTING AIR: ON/OFF

SEPERATION AIR

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.

YOUR ADVANTAGES WITH THE AccurioPress C84hc/C74hc
RETHINK PRODUCTION PRINTING

HIGHEST RELIABILITY

– Long-life platform, long-lasting parts and consumables

– Registration-swing mechanism for accurate duplex registration

– Fusing-rolling mechanism

DURABLE PERFORMANCE

AccurioPress C84hc/C74hc

– 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)

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

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

FINISHING & FUNCTIONS

	Open stacker OT-512	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
2/4 hole Punching		○			●			
Two-point stapling		●						
Corner stapling		●						
Stacking	●	●	○	●			○	
Booklet		○	●				●	
Trimming			●				●	●
Creasing			○					●
Perforation								○
Slitting			○					●
Square-folding			○					
Multi Letter fold-In			●		●			
Post Insertion		○			●	●		
Perfect Binding						●		

● standard   ○ optional

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 Optimiser and many unique inline finishing options.

6. PANTONE COLOUR REPRODUCTION
with Media Detection Sensor, Intelligent Quality Optimiser and many unique inline finishing options.

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 REPONSIBILITY
RETHINK TOMORROWS' BUSINESS

MADE YOUR BUSINESS

Commercial printers

The AccurioPress C84hc/C74hc 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/m², 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/C74hc 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 Optimiser 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_2 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_2 emissions for production printing.
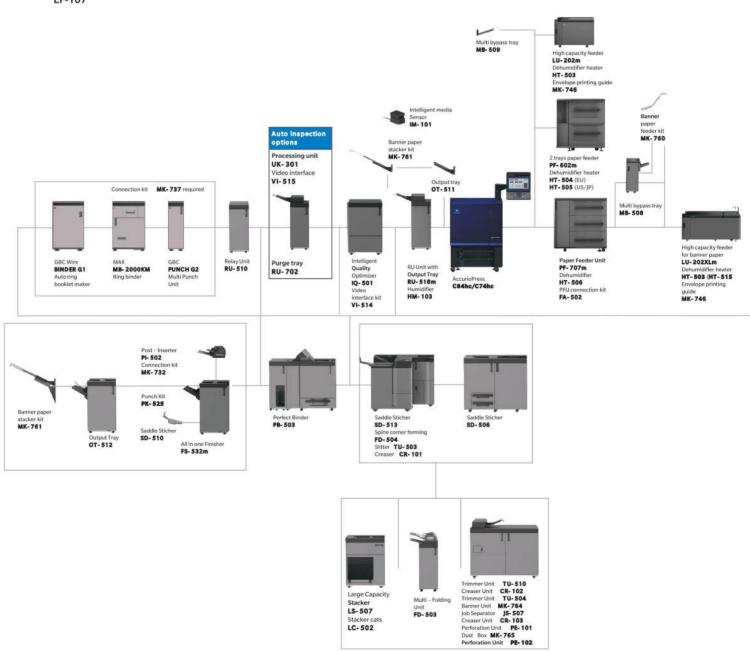
AccurioPress
C84hc/C74hc

System Configuration

Options for printer body

Working table **WT - 511**
Pat-light **MK-744C**
IC card authentication **AU-201S**
Dehumidifier heater for printer tray
HT-511
Fusing unit for envelope printing
EF-107

Controller

Konica Minolta Embedded Controller
IC-609 APPE kit **UK-220**
Fiery Controller (Server type) **IC-317**
Fiery Controller (Embedded type) **IC-419**
Video interface kit **VI-515**

Multi bypass tray
MB-509

High capacity feeder
LU-202m
Dehumidifier heater
HT-503
Envelope printing guide
MK-746

Banner
paper
feeder kit
MK-760

Intelligent media
Sensor
IM-101

Banner paper
stacker kit
MK-761

2 trays paper feeder
PF-602m
Dehumidifier heater
HT-504 (EU)
HT-505 (US/JP)

Multi bypass tray
MB-508

Auto Inspection options

Processing unit
UK-301
Video interface
VI-515

Output tray
OT-511

Connection kit **MK-737** required

GBC Wire
BINDER G1
Auto ring
booklet maker

MAX
MB-2000KM
Ring binder

GBC
PUNCH G2
Multi Punch
Unit

Relay Unit
RU-510

Purge tray
RU-702

Intelligent
Quality
Optimizer
IQ-501
Video
interface kit
VI-514

RU Unit with
Output Tray
RU-518m
Humidifier
HM-103

AccurioPress
C84hc/C74hc

Paper Feeder Unit
PF-707m
Dehumidifier
HT-506
PFU connection kit
FA-502

High capacity feeder
for banner paper
LU-202XLm
Dehumidifier heater
HT-503 (**HT-515**)
Envelope printing
guide
MK-746

Post - Inserter
PI-502
Connection kit
MK-732

Punch Kit
PK-525

Banner paper
stacker kit
MK-761

Output Tray
OT-512

Saddle Sticher
SD-510

All in one Finisher
FS-532m

Perfect Binder
PB-503

Saddle Sticher
SD-513
Spine corner forming
FD-504
Slitter **TU-503**
Creaser **CR-101**

Saddle Sticher
SD-506

Large Capacity
Stacker
LS-507
Stacker cats
LC-502

Multi - Folding
Unit
FD-503

Trimmer Unit   **TU-510**
Creaser Unit   **CR-102**
Trimmer Unit   **TU-504**
Banner Unit   **MK-764**
Job Separator   **JS-507**
Creaser Unit   **CR-103**
Perforation Unit   **PE-101**
Dust Box   **MK-765**
Perforation Unit   **PE-102**

*1 : When connected to   PF-707 m (US/JP)

AccurioPress C84hc/C74hc General Specifications

Main Unit

Main Unit	C84hc	C74hc
Type	Console type	
Colour support	Full colour	
Writing resolution	Equivalent to 3600 dpi x 2400 dpi	
Gradation	8 bit / 256 gradation	
Warm-up time	390 sec. or less	
Magnification	25 - 400%, in 0.1% steps	
Print speed full colour & monochrome	81 ppm (A4 Landscape) / 45 ppm (A3)	71 ppm (A4 Landscape) / 39 ppm (A3)
First Copy/Printing Time (Color/Monochrome)	6.1 seconds or less/4.0 seconds or less	
Paper size	100 x 148 – 330.2 x 487.7 mm (up to 1,300 mm with optional Banner Kit)	
Paper weight	62 – 360 gsm	
Paper capacity	15,390 sheets (with main body standard tray + 3 paper feeding units (PF-707m Type C)	
Paper weight	12,000 sheets (with Large Capacity Stacker LS-507 x 2)	
Controller CPU	Intel Core i5-6500 3.2GHz[*1]	
Power supply	AC 200V, 25A, 50Hz/60Hz (Voltage to ground 100V)	
Maximum Power Consumption	5,760W	

Main Unit Size (WxDxH mm)	Main unit	31.50 x 35.55 x 40.98 inches (800 x 903 x 1,041 mm)
	(Recommended) configuration	84.65 x 35.55 x 58.19 inches (2,150 x 903 x 1478 mm) (main unit + LU-202m + FS-532m)

Main Unit Weight	Approx. 672.41 lb (305 kg)
Maximum Print Area	12.72 x 18.90 inches (323 x 480 mm) (Banner sheet: 12.72 x 50.98 inches (323 x 1,295 mm))

Compatible Paper weights	Main unit	16 to 68 lb (62 to 256[*2] g/m^2)
	Paper feed	PF-707m: 16 to 95 lb (62 to 360 g/m^2) MB-508: 16 to 81 lb (62 to 300 g/m^2)
	Paper output	Straight paper output: 16 to 95 lb (62 to 360 g/m^2) Reverse double-sided output: 16 to 95 lb (62 to 360 g/m^2)
	Banner paper	MK-760/MK-761: 34 to 68 lb (128 to 256 g/m^2) (up to 51.18 inches (1,300 mm) length) LU-202XLm: 34 to 68 lb (128 to 256 g/m^2) (18.85 to 30.00 inches (478.8 to 762 mm) length

Paper Feed Capacity (21 lb (80 g/m2 sheet))	PF-707m: 3-level tray, air suction system Top level/Middle level: 1,390 sheets each, Bottom level: 1,850 sheets 15,390 sheets (Main unit tray, with 3 PF units connected)
Paper output capacity (21 lb (80 g/m2 sheet))	RU-518m (Sub Tray) 100 sheets (stacking height: 20 mm)

Copy Speed	Single side A4	81 ppm or 4,399 sides or more/hour	71 ppm or 3,848 sides or more/hour
	Simplex A3	45 ppm or 2,404 pph	39 ppm/ 2,074 pph

Compatible Controllers	IC-609 (KM), IC-317 ver.3.0 (Fiery), IC-419 ver.3.0 (Fiery)

*1: In the case of Image Controller IC-609

*2: For 58 to 68 lb (217 to 256 g/m2), only papers that are at least 8.27 to 11 inches (210 x 279.4 mm)

Other options

Working Table	WT-511
Envelope Fusing Unit	EF-107
Dehumidifier Heater	HT-511
Status indicator light	MK-744C
Intelligent Media Sensor	IM-101

Paper feeding options

Paper Feeder Unit	PF-602m
Dehumidifier Heater (Europa)	HT-504
Dehumidifier Heater (Japan/North America)	HT-505
Paper Feed Unit	PF-707m
Dehumidifier Heater	HT-506
Feed Adjuster	FA-502
Multi Bypass Tray	MB-508
Large Capacity Unit	LU-202m
Large Capacity Unit	LU-202XLm
Dehumidifier Heater	HT-503
Dehumidifier Heater	HT-515
Mount Kit	MK-746
Multi Bypass Tray	MB-509
Banner Tray Unit (Input)	MK-760

Paper ejection options

Finisher	FS-532m
Saddle Stitcher	SD-510
Punch Unit	PK-525
Mount Kit	MK-732
Post Inserter	PI-502
Saddle Stitcher	SD-506
Saddle Stitcher	SD-513
Folding Unit	FD-504
Creaser Unit	CR-101
Trimmer Unit	TU-503
Large Capacity Stacker	LS-507
Large Capacity Stacker Handcart	LC-502
Trimmer Unit	TU-510
Creaser Unit	CR-102
Trimmer Unit	TU-504
Banner Unit	MK-764
Job Separator	JS-507
Creaser	CR-103
Perforation Unit	PE-101
Perforation Unit	PE-102
Dust Box	MK-765
Folding Unit	FD-503
Perfect Binder	PB-503
Output Tray	OT-512
Output Tray	OT-511
Mount Kit	MK-737
Relay Unit	RU-510
Relay Unit	RU-518m
Humidifier	HM-103
Intelligent Quality Optimizer	IQ-501
Relay Unit	RU-702
Auto Inspection Unit	UK-301
Inspection Enhancement Kit	UK-311
Variable Data Inspection Kit	UK-312
Video Interface Kit (Essential option for IQ-501)	VI-514
Banner Tray Unit (Output)	MK-761

Electronic options

Image Controller (KM)	IC-609
Upgrade Kit	UK-220
Image Controller (Fiery)	IC-317
Image Controller (Fiery)	IC-419
Video Interface Kit (Essential option for IC-317/IC-419/UK-301)	VI-515
Authentication Unit	AU-201S

– All specifications refer to A4-size paper of 80 gsm quality.

– The support and availability of the listed specifications and functionalities varies depending on operatingsystems, applications and network protocols as well as network and system configurations.

– 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.

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