

KONICA MINOLTA

20

YEARS OF PRINT
POSSIBILITIES

AccurioPress C7100 **ENHANCED»**

AccurioPress C7090 **ENHANCED»**

THE ACCURIOPRESS C7100 ENHANCED SERIES

REACH YOUR AMBITION



Giving Shape to Ideas

DISCOVER AGILITY THAT CREATES OPPORTUNITY

More profitable business through a press that works smarter not harder – this was key in the development of AccurioPress C7100 ENHANCED and AccurioPress C7090 ENHANCED. With a focus on optimizing performance, offering new and advanced print products, and growing the entire business. With the AccurioPress C7100 ENHANCED series, you serve more customers and complete more jobs with innovative technologies that power your success.

INTELLIGENT AUTOMATION

By instantly detecting the precise stock you're using, the optional Intelligent Media Sensor IM-101 significantly reduces production time. At the same time, the optional IQ-501 Intelligent Quality Care Unit ensures perfectly consistent colour quality and front-to-back registration on every print in real time. And because no manual recalibrations or inspections need to be carried out during print production you'll benefit from improved productivity as well.

ENHANCED FINISHING

The optional in-line TU-510e 4-edge trimming unit cuts, creases and perforates to produce stunning full-bleed trimmed book jackets, imposed cards, business cards, coupons and more. Removing the need for off-line finishing means fewer operator touchpoints for faster and more efficient print runs.

FLAWLESS QUALITY

Experience unparalleled print quality with our latest Simitri V toner, delivering stunning results on media up to 400 g/m². With ultra-sharp 3,600 x 2,400 dpi resolution and intelligent Colour Control checking 13 colours on the fly, you'll achieve exceptional consistency even during the fastest, longest print runs.

ADVANCED CAPABILITIES

With auto-duplex banners up to 900mm and the flexibility to handle embossed and textured media, its handling so simple that one operator can run even the most complex projects. So, why not say yes right now to more opportunities that will grow your business!

EXCEPTIONAL DURABILITY

Reliability drives profitability. Among the advanced technologies built into the engine are a more durable lubricated drum, double corona wires with automatic cleaning, an optimized paper transport solution, and a double swing registration system for improved paper compatibility and feeding accuracy.



INNOVATE PRINT

RETHINK TECHNOLOGY



Intelligent Quality Care

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

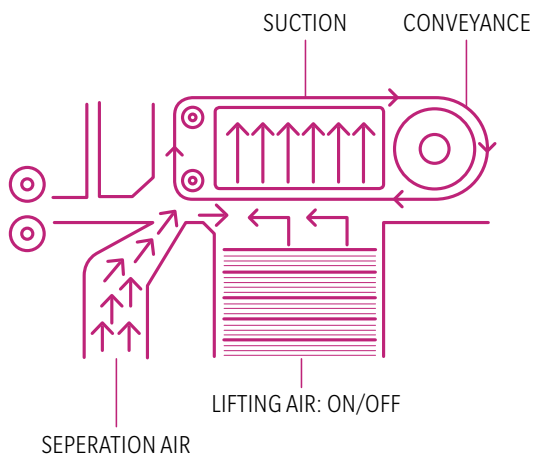


Simitri® V Toner

Konica Minolta's innovative Toner technology Simitri® V gives superb print quality and an offset matte finish. Furthermore it supports the high productivity of AccurioPress C7100 ENHANCED series and it requires a lower fusing temperature which reduces the energy consumption of the system and the impact of the printing process on the paper. Simitri V was designed to easily follow the surface of the paper or substrate to guarantee best possible print quality on embossed, structured or recycled materials.

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.



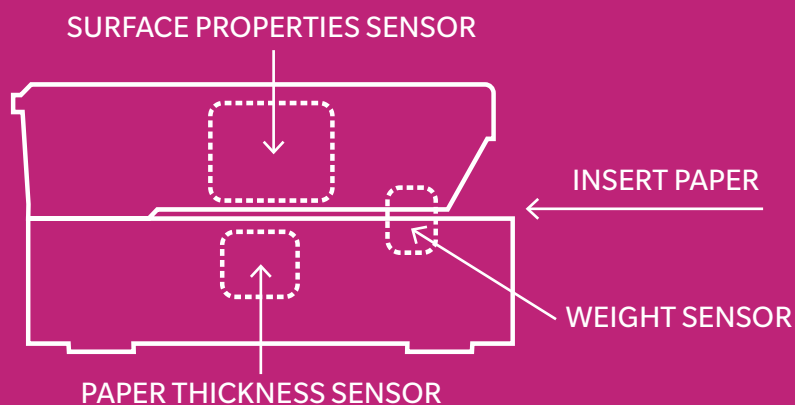
Vacuum paper feeding

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 for all formats up to 900 mm length 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.

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.







STATE-OF-THE-ART- PRINT-SERVER RETHINK PRODUCTION PRINTING

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.

IC-318L FIERY CONTROLLER

Reduce labour costs, cut turnaround times, and minimize errors and paper waste with the advanced job management and workflow automation that the Fiery® IC-318L provides. Streamline your job layout with the Fiery's instant visual preview and advanced make ready capabilities. What's more, supporting industry-leading variable data printing (VDP) formats, the Fiery also produces personalized short-run jobs profitably.

IC-319 FIERY CONTROLLER

The top-of-the-line Fiery® IC-319 will improve your bottom line with best-in-class processing, outstanding colour and time-saving workflows. If you want the best out-of-the-box colour consistency and accuracy with powerful colour matching, profiling, and automated calibration, look no further! The IC-319 eliminates touch points and optimizes production; plus it integrates with industry-leading prepress workflow solutions.

IC-316 CREO CONTROLLER

The Creo® IC-316 external print controller supports perfect variable data printing integration and is the ideal choice for hybrid prepress workflows. Beyond that, the Creo features advanced spot colour profiling, a complete Pantone GOE library, Remote Site Manager status tracking, JDF connectivity, Creo job ticket software, and much more.





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.

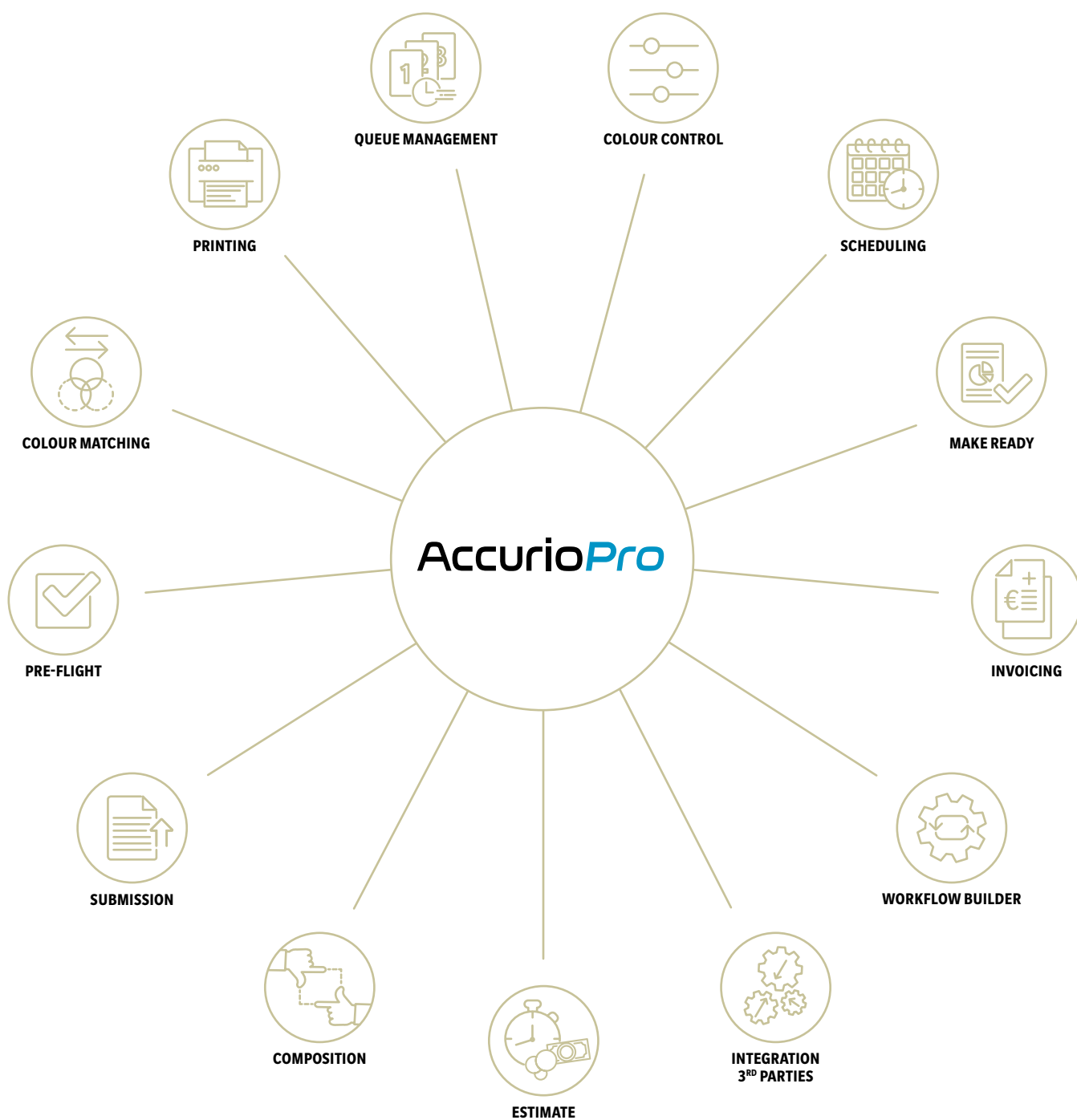
For all printing companies looking to integrate their printing as well as businesses that use digital printing to produce their own in-house publications and promotional materials, AccurioPro boosts speed and

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 C7100 ENHANCED/ C7090 ENHANCED

RETHINK PRODUCTION PRINTING

READY-MADE PRINT PRODUCTS*

- 50-sheet booklet making with front trimming and 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

DURABLE PERFORMANCE

AccurioPress C7100 ENHANCED

- Up to 100 DIN A4 pages per minute
- Up to 53 SRA3 pages per minute
- Peak Volume up to 1.8 million DIN A4 images
- Lifetime up to 20 million DIN A4 images or 7 years

AccurioPress C7090 ENHANCED

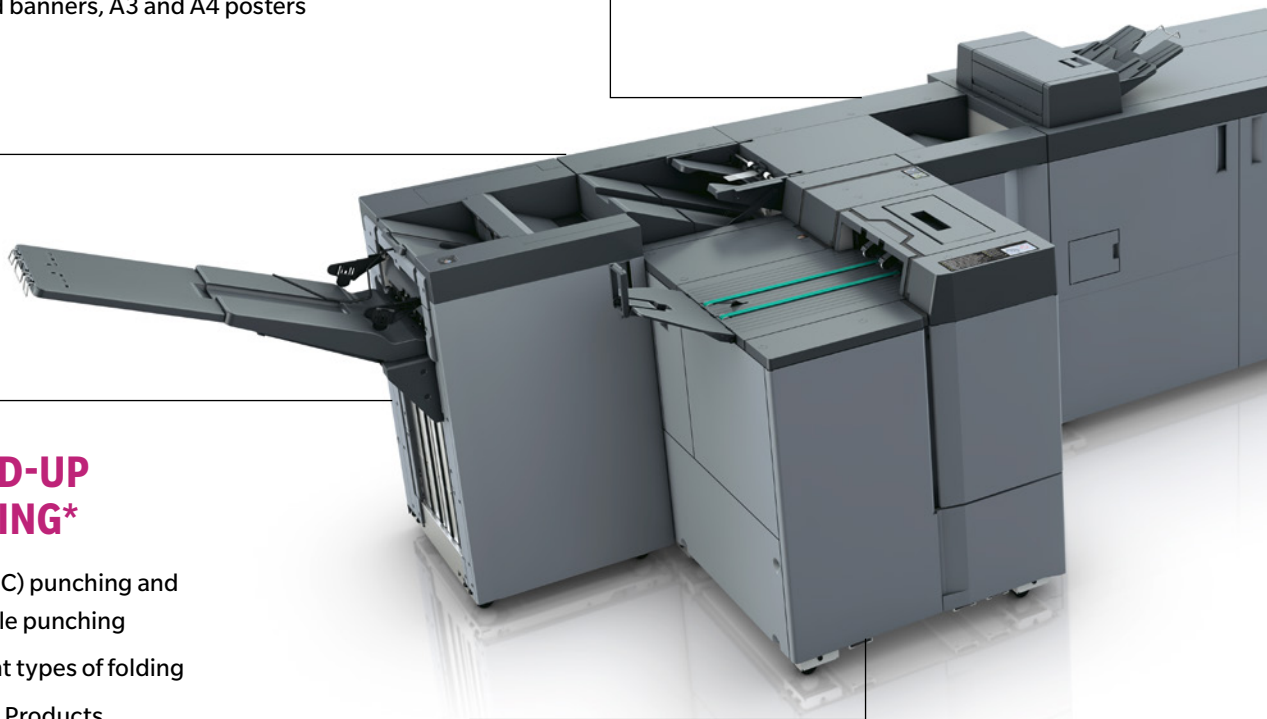
- Up to 90 DIN A4 pages per minute
- Up to 48 SRA3 pages per minute
- Peak Volume up to 1.62 million DIN A4 images
- Lifetime up to 20 million DIN A4 images or 7 years

GEARED-UP FINISHING*

- Multi (GBC) punching and 2- & 4-hole punching
- 6 different types of folding
- 3rd-party Products
- Large-capacity stacking
- 2 Perforations in feed direction, 5 Perforations in Cross feed direction
- Up to 5 Creases downwards or upwards

SIMPLY EFFICIENT

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



HIGHEST RELIABILITY

- Long-life platform, long-lasting parts and consumables
- Accurate front to back registration
- For prints with maximum efficiency
- For lucrative short-run printing

HIGH-END PRINT CONTROL

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

EASE OF USE

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

PERFECT IMAGE QUALITY

- S.E.A.D. X
2,400 x 3,600 equiv. dpi x 8bit
- Simitri V toner technology
- Image density control technology

SOPHISTICATED MEDIA HANDLING

- Automatic media recognition
- Air-suction feeding technology
- Up to 15,150 sheets paper input capacity
- Up to 11 paper input trays
- Up to 2,300 sheets paper input for long sheets (up to 900 mm)

COMPREHENSIVE MEDIA PROCESSING

- Up to 400 g/m² paper weight in simplex and duplex printing
- Long sheet size of up to 1,300 mm (duplex up to 900 mm)
- Reliable thin paper feeding through air-blow fusing separation
- Envelope printing
- Embossed paper support
- Optional inter-cooler curl eliminator



FINISHING & FUNCTIONS



Letter fold



2/4 hole Punching



Two-point stapling



Corner stapling



Stacking



Booklet



Trimming

Open stacker
OT-512



Staple finisher
FS-532m



Staple finisher
FS-541



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-510e



Booklet making unit
Plockmatic SD-435e/450e



Ring binding unit
GBC G1



Multi punching unit
GBC G3



Multi purpose stacker
Plockmatic MPS-XL

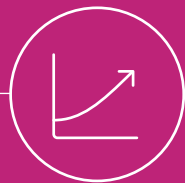


	 Creasing	 Slitting	 Perforation	 Square-folding	 Multi Letter fold-In	 Post Insertion	 Perfect Binding	 Wire-binding	 Multi-punching	
										ENTRY
										
										
										
										
										
										
										
										





10 GOOD REASONS FOR AccurioPress C7100 ENHANCED SERIES



1. BUSINESS EXPANSION

Compatible with thin to thick media and superior banner printing capabilities



2. INTELLIGENT AUTOMATION

Minimize preparation time with easy and quick setup routines, e.g. for media, colours, registration



5. NEW PRINT PRODUCTS

Extend your offerings with textured media, envelope and long sheet duplex printing



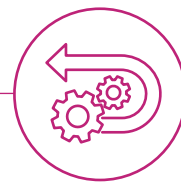
6. HIGHEST RELIABILITY

Durable design and accurate registration for quality products with minimum waste



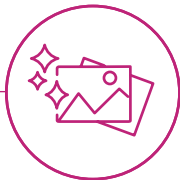
3. AUTOMATED FINISHING

Many unique inline finishing options to create ready-to-ship booklets, perfect bound books, wire binding, business cards or full bleed banners and many more



4. FAST TURN AROUND

Same high engine performance on all kinds of media combined with closed loop quality control and inspection technology



7. SUPERB PRINT RESOLUTION

Simitri V, high print resolution and Konica Minolta's very own imaging technology guarantee happy customers



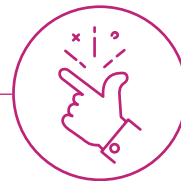
8. WORRY-FREE OPERATION

Real-time quality control for consistent and faultless print products



9. INCREASED UPTIME

Long-lasting consumables, high paper input capacity and dependable productivity secure uninterrupted production



10. EASE OF USE

Even novice operators will get very good and consistent results at the tip of a finger.

TAKE LEADERSHIP AND RESPONSIBILITY

RETHINK TOMORROWS BUSINESS

MADE FOR YOUR BUSINESS

Commercial printers

Growing your business and getting the maximum out of your investment is what our production printing portfolio promises. The high speed, high productivity and high uptime help you achieve shortest turnaround times. Combined with great media flexibility with stocks of up to 400 g/m², you further enhance the offerings of your print shop. Quality issues are a thing of the past, as these presses offer a wide range of tools to control and adjust themselves.

CRDs

Our production printing portfolio supports a high degree of automation and yet also ensure high-level quality. Professional inline finishing produces ready-made print products at the click of a finger. Their versatile media flexibility and high productivity make our cutting-edge technologies solid and lucrative investment for the future.

SUSTAINABILITY MEASURES FOR OUR PRODUCTION PRINTERS

Konica Minolta aims to reduce CO₂ emissions throughout the product lifecycle to net zero by 2050. Further, we target make our products from more than 90% circulated resources (recycled materials and biomaterials) by 2050. Our activities also include our customers, who we want to support in reducing their environmental impact as much as possible and achieving their sustainability goals.

An advantage of the digital printing process is the ability to print quickly and flexibly on demand, i.e. to produce only the print quantities that are actually required. Konica Minolta considers its environmental impact at every stage of the product life cycle and takes measures to reduce it.

This begins with manufacturing: all Konica Minolta factories are working under a certified ISO 14001 Environmental Management System, for example, and all production printing devices of our current fleet sold in Europe are produced in factories using 100 % renewable energies. Our achievements have received the Japan Federation of Printing Industries Green Printing certification.

In terms of product design, we are taking measures to reduce the use of primary resources. For example, we have developed lighter systems that weigh up to 25% less than

previous models. We are also focusing on the increased use of recycled materials: our production printers incorporate up to 36% recycled plastic, while toner bottles are made with up to 60% recycled plastics.

We have also implemented measures to reduce energy consumption during product use. Our polymerised toners can be fixed at lower temperatures, e.g. the Simitri® V toner at a fixing temperature that is 15 degrees Celsius lower.

As far as the disposal phase is concerned, our toners ensure a very high level of deinkability, which has also been certified by INGEDE. This means that the printed paper can be easily recycled, saving energy, raw materials and reducing water pollution. We also offer a high-quality returns and recycling service with the Clean Planet Program. We collect and safely dispose of used toner cartridges and bottles, photoconductor drums, and other consumables and recycle them. As a result, up to 87.3% of waste is turned into secondary raw materials. This helps reduce waste, increase efficiency, and preserve the earth's natural resources.

With our digital printing systems, Konica Minolta can therefore help our customers to move away from large-scale analogue printing and use less resources – such as toner, substrates and electricity, and also reduce waste and CO₂ emissions.



CONTROLLER AND OPTIONS

RETHINK THE NEEDS

FIERY IMAGE CONTROLLER IC-319

Architecture	External
OS	Microsoft® Windows 10 IoT Enterprise LTSC 2021
CPU	Intel® Xeon 4214
Clock speed	2.2 GHz
RAM std	32 GB
HDD	SSD Boot drive + 2x 2 TB
Page-description language	Adobe PostScript 3; PDF v1.7; APPE v6.0; PDF/X-6; PDF/VT-3; PPML v3.0; PCL; Creo VPS

FIERY IMAGE CONTROLLER IC-318L

Architecture	External
OS	Microsoft® Windows 10 IoT Enterprise LTSC 2021
CPU	Intel® i7-8700
Clock speed	3.2 GHz
RAM std	16 GB
HDD	SSD Boot drive + 1 TB
Page-description language	Adobe PostScript 3; PDF v1.7; APPE v6.0; PDF/X-6; PDF/VT-3; PPML v3.0; PCL; Creo VPS

CREO IMAGE CONTROLLER IC-316

Architecture	External
OS	Microsoft® Windows 10 IoT Enterprise LTSC 2021
CPU	Intel® i7-10700E
Clock speed	4.5 GHz
RAM std	20 GB
HDD	1x 2 TB HDD 1x 1.92 TB SSD
Page-description language	Adobe PostScript 3; PDF v1.7; APPE v4.9; PDF/VT-1/-2; PDF/X1a,3,4; PPML v2.2; Creo VPS; AFP; IPDS; JPEG; TIFF (v6, 1bit)

KONICA MINOLTA IMAGE CONTROLLER IC-609

Architecture	Internal
OS	Linux
CPU	Intel® Core i5 6500
Clock speed	3.4 GHz
RAM std	16 GB
HDD	2 TB (2 x 1TB)
Page-description language	Adobe PostScript 3; APPE v4.6 (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

OPTIONS

Konica Minolta image controller	IC-609
Fiery external image controller	IC-318L
Fiery external image controller	IC-319
CREO external image controller	IC-316
Paper Feeder Unit	PF-712
Paper Feeder Unit with Scanner	PF-713
Paper Feeder Unit	PF-812
Dehumidifier Heater	HT-506
Multi Bypass Tray	MB-511
Large capacity feeding unit	LU-208
Large capacity feeding unit	LU-208XL
Dehumidifier Heater	HT-518
Envelop printing guide	MK-746
Multi bypass feeding	MB-510
Intelligent Media Sensor	IM-101
Conveyance Unit	RU-518m
Humidifier kit	HM-103
Intelligent Quality Optimizer	IQ-501
Purge Unit	RU-702
Auto Inspection Unit	UK-301
Inspection Enhancement kit	UK-311
VDP Verification kit	UK-312
Envelope Fusing Unit	EF-108
Output Tray Unit	OT-512
Long Sheet kit (Input)	MK-760
Long Sheet kit (Output)	MK-761
3rd party Interface	MK-737
Relay Unit	RU-510
Stapling Unit	FS-541
Stapling Unit	FS-532m
Saddle Stitcher kit	SD-510
Punch kit	PK-525
Mount Kit	MK-732
PostInsertor kit	PI-502
Press and trim kit	PT-220
Corner forming kit	SF-204
Folding and Punching Unit	FD-503
Booklet making Unit	SD-506
Booklet making Unit	SD-513
Spine corner forming kit	FD-504
Trimmer kit	TU-503
Creaser kit	CR-101
Stacking Unit	LS-507
Handcart	LC-502
Perfect Binding Unit	PB-503
Trimmer Unit	TU-510e
Crease kit downwards	CR-102
Trimmer kit	TU-504
Banner kit	MK-764
Job Separator kit	JS-507
Creaser kit upwards	CR-103
Perforation kit Horizontal	PE-101
Perforation kit Vertical	PE-102
Scrap ejection kit	MK-765
GBC Binding Unit	G1
GBC Punching Unit	G3
Booklet making Unit	Plockmatic SD-435e/450e
Banner Stacking Unit	MPS-XL





KONICA MINOLTA



YEARS OF PRINT
POSSIBILITIES

TECHNICAL SPECIFICATIONS

RETHINK PRODUCTION PRINTING

SYSTEM SPECIFICATIONS

Resolution	2,400 x 3,600 equiv. dpi x 8 bit
Paper Weight	52–400 g/m ²
Duplex Unit	Non-stack type; 52–400 g/m ²
Paper sizes	330.2 x 487.7 mm 330.2 x 900 mm (max. duplex) 330.2 x 1,300 mm (max. simplex)
Paper input capacity	15,140 sheets
Recommended environmental conditions	21–26° C temperature, 40 – 60 % relative humidity (Deviations may affect the specifications)
Non printable area	Leading edge: ≤ 4 mm Trailing edge: ≤ 4.5 mm Right/Left edge: ≤ 3 mm
Image registration	less than 0.6 mm
Main unit dimensions (W x D x H)	800 x 1,138 x 1,478 mm
Main unit weight	335 kg

PRODUCTIVITY

AccurioPress C7100 ENHANCED

A4 colour - max. per minute	100 ppm
A4 mono - max. per minute	110 ppm
A3 colour - max. per minute	57 ppm
A3 mono - max. per minute	63 ppm
SRA3 colour - max. per minute	53 ppm
SRA3 mono - max. per minute	58 ppm
A4 colour - max. per hour	5,613 pph
A4 mono - max. per hour	6,103 pph

AccurioPress C7090 ENHANCED

A4 colour - max. per minute	90 ppm
A4 mono - max. per minute	110 ppm
A3 colour - max. per minute	51 ppm
A3 mono - max. per minute	63 ppm
SRA3 colour - max. per minute	48 ppm
SRA3 mono - max. per minute	58 ppm
A4 colour - max. per hour	5,047 pph
A4 mono - max. per hour	6,103 pph

- All specifications refer to A4-size paper of 80 g/m² 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.
- 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.
- All brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.
- Our showrooms can be used to test print speed and performance with specific media formats and materials.