

KONICA MINOLTA

20

YEARS OF PRINT
POSSIBILITIES

AccurioPress C14010S
AccurioPress C14010
AccurioPress C12010S
AccurioPress C12010

THE ACCURIOPRESS C14010 SERIES

REACH YOUR AMBITION



Giving Shape to Ideas

SMART FACTORY PRINTING

Konica Minolta's AccurioPress C14010/S and C12010/S empower you to redefine possibilities with stunning print quality, exceptional speeds up to 140 ppm (C14010/S, 120 ppm C12010/S), and unmatched media versatility. Unlock creative opportunities with 5th color capabilities (S Models). Seamlessly integrating into your workflows these flagship models streamline operations, reduce manual intervention, and enhance efficiency. Backed by intelligent technology and dedicated support, the AccurioPress range inspires innovation and ensures your journey to digital transformation is smooth, rewarding, and filled with success.

Expand Your Business Potential

The AccurioPress C14010/S and C12010/S deliver remarkable versatility, handling a broad range of media such as thin and thick paper (up to 450 g/m²), embossed paper, envelopes, polyester, and cut-sheet labels. With optional White Toner Models, you can expand your offerings and open up new business opportunities. These presses also support long sheets up to 1,300 mm or 900 mm in duplex, providing the flexibility to meet a variety of printing demands and unlock fresh possibilities.

Streamline Your Workflow with Smart Assistance

Our production systems are engineered to maximize press uptime, enabling you to produce more in less time. With advanced assistance features designed for speed and quality, you can deliver high-value print products faster than ever. Tools like the Intelligent Quality Optimizer Unit and Intelligent Media Sensor ensure consistent, high-quality results for every job, with minimal user intervention – empowering you to work smarter and achieve exceptional outcomes effortlessly.

Enhance Customer Loyalty

The AccurioPress C14010/S series ensures consistent, high-quality output with automatic print quality adjustments on the fly, so you can meet your customers' expectations on every page – whether it's page 1 or page 1,000, today or tomorrow. The advanced Auto Inspection Technology guarantees flawless prints, ensuring only perfect products leave your shop. This not only strengthens customer loyalty but also keeps your products in demand, ensuring customers return for more.

Maximize Your Investment

The AccurioPress C14010/S series offers versatile inline finishing options for ready-to-ship print products, along with high-speed printing for offline finishing. Designed for high-volume printing, it ensures smooth, precise paper feeding for all formats up to 900 mm, using air separation and suction feeding. For optimal performance with offset pre-printed or coated stock, or in high humidity, an optional heating unit enhances paper handling, ensuring smooth processing throughout the print system.



INNOVATE PRINT RETHINK TECHNOLOGY

INTELLIGENT QUALITY OPTIMIZER

Intelligent Quality Optimizer

The IQ-601 Intelligent Quality Optimiser redefines printing with exceptional color accuracy, real-time adjustments, and automated workflows. Equipped with an inline spectrophotometer, it ensures precise color tones, improved front-to-back registration, and effortless operation – delivering superior results at the press of a button. Paired with the AI-101 Auto Inspection Unit, it enables advanced defect detection, variable data validation, and real-time quality assurance without requiring specialized training. Together, IQ-601 and AI-101 streamline processes, enhance quality stability, and maximize productivity, setting a new standard for high-performance printing.



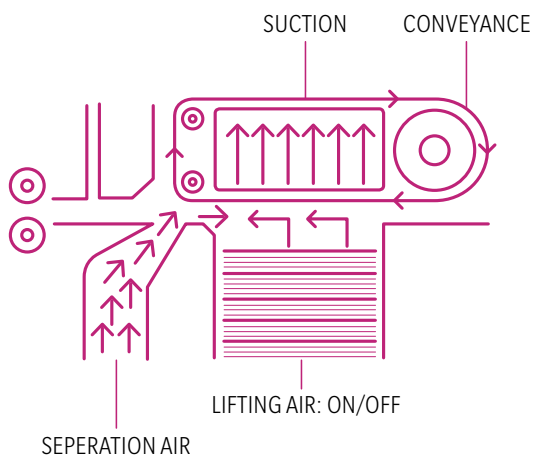
Simitri[®] V

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 C14010 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 color 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 color reproduction at top speed.



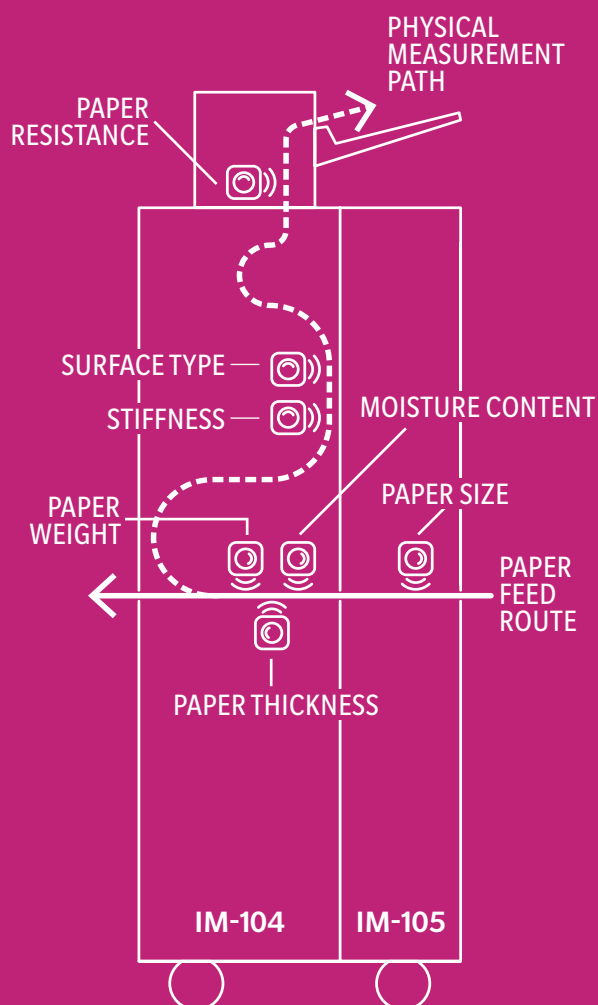
Vacuum paper feeding

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 pre-printed and coated stock as well as under high humidity conditions, an optional heating unit can be added to enhance this precise technology further.

Intelligent Media Sensor

The Intelligent Media Sensor IM-104 is a game-changer in automated print management! With six cutting-edge sensors, the IM-104 identifies paper type, weight, and size instantly, ensuring optimal print settings every time—no operator input needed. Say goodbye to manual adjustments and let the IM-104 handle it all. The IM-104 also features a purge tray, allowing production to keep running in case of paper jams or double feeds. For uninterrupted, unattended printing, this feature is invaluable. Plus, it detects mismatched paper settings during print production and stops the production to avoid any further complications down the line.

The Intelligent Media Sensor IM-105 adds precision and perfection in every print. The IM-105 measures the paper size of the substrates and detects even the slightest variations in paper cutting size and, together with the Intelligent Quality Optimizer IQ-601, automatically adjusts image positioning to eliminate front/back alignment errors. Enjoy flawless results with less manual oversight, ensuring professional quality and consistency with every print run.







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

IC-323 FIERY CONTROLLER

The top-of-the-line Fiery® IC-323 will improve your bottom line with best-in-class processing, outstanding color and time-saving workflows. If you want the best out-of-the-box color consistency and accuracy with powerful color matching, profiling, and automated calibration, look no further! The IC-323 eliminates touch points and optimizes production; plus it integrates with industry-leading prepress workflow solutions.

IC-322 FIERY CONTROLLER

Reduce labor costs, cut turnaround times, and minimize errors and paper waste with the advanced job management and workflow automation that the Fiery® IC-322 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.

AccuriolImage IC-614 KONICA MINOLTA CONTROLLER

The Konica Minolta IC-614 print controller comes with powerful workflow benefits – including 2,400 x 3,600 equiv. dpi printing at full rated engine speed, high-speed RIP processing, enhanced accuracy in color reproduction, various color management functions as well as full compatibility with print engine on-board job control and editing functions.

IC-320 CREO CONTROLLER

The Creo® IC-320 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 color 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.

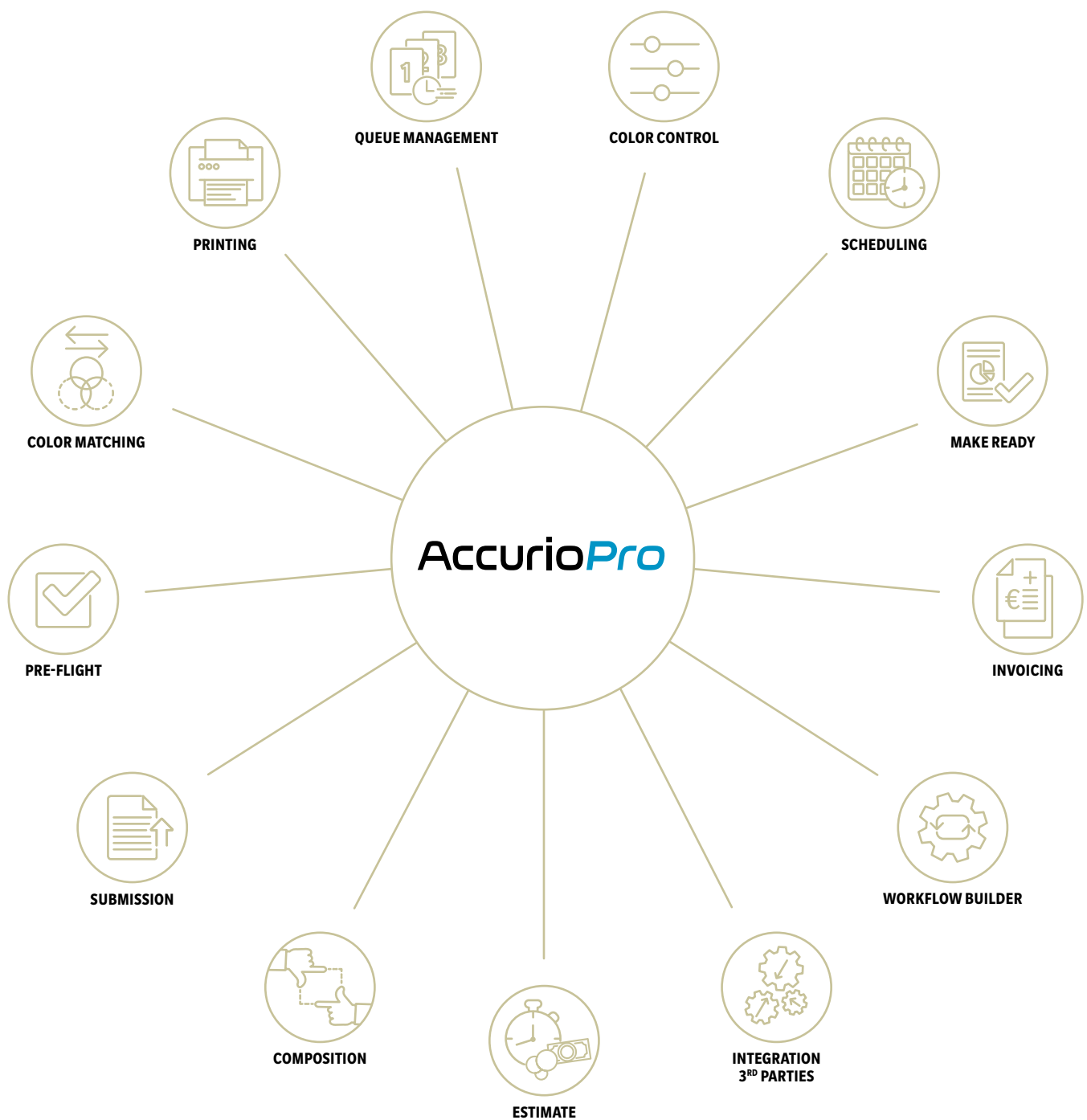
For all printing companies looking to integrate their printing as well as businesses that use digital printing to produce their own in-house publications and promotional materials, AccurioPro boosts speed and

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, color 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 C14010/S AND AccurioPress C12010/S

RETHINK PRODUCTION PRINTING

READY-MADE PRINT PRODUCTS*

- 50-sheet booklet making with front trimming and optional creasing, slitting and spine corner forming
- 100-sheet stapling with cutting mechanism
- 102-sheet auto ring binding
- Automated inline business card and postcard cutting
- Full bleed banners, A3 and A4 posters

HIGHEST RELIABILITY

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



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

DURABLE PERFORMANCE

AccurioPress C14010/S

- Up to 140 DIN A4 pages per minute
- Up to 76 SRA3 pages per minute
- Peak Volume up to 2.5 million DIN A4 images
- Lifetime up to 70 million DIN A4 images or 7 years

AccurioPress C12010/S

- Up to 120 DIN A4 pages per minute
- Up to 65 SRA3 pages per minute
- Peak Volume up to 2.2 million DIN A4 images
- Lifetime up to 60 million DIN A4 images or 7 years

HIGH-END PRINT CONTROL

- Flexible choice of controller technology: Fiery®, CREO® or proprietary Konica Minolta AccurioImage 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

COMPREHENSIVE MEDIA PROCESSING

- Up to 450 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

SPECIAL COLOR (ONLY S VERSION)

- 5 colors printing
- White as extra color
- Up to 120 DIN A4 ppm (for AccurioPress C14010S and C12010S)

SOPHISTICATED MEDIA HANDLING

- Automatic media recognition
- Air-suction feeding technology
- Up to 14,140 sheets paper input capacity
- Up to 10 paper input trays
- Up to 2,300 sheets paper input for long sheets (up to 900 mm)



FINISHING & FUNCTIONS

		 Letter fold	 2/4 hole Punching	 Two-point stapling	 Corner stapling	 Stacking	
Open stacker OT-512							
Staple finisher FS-541							
Booklet making unit SD-513							
Stacking unit LS-507							
Folding and punching unit FD-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							

Booklet Trimming Creasing Slitting Perforation Square-folding Multi Letter fold-In Post Insertion Wire-binding Multi-punching											ENTRY
											MID
											
											
											
											
											HIGH
											
											





THE PERFECT MATCH FOR ANY REQUIREMENT

RETHINK EFFICIENCY

You are looking for a printing system that can be configured exactly to your individual requirements? You have found it in the AccurioPress C14010 series: Choose from a wide range of fully automatized finishing options to create ready-made print products and save a lot of time. Or go for full production speed and utilize your existing offline finishing capabilities for long print runs. The following sample configurations are just three of many individual options to help you find your 'Perfect Match'.



PERFORMER

The Performer offers maximum speed and reliability with highest paper input and output capacity. It provides unattended long-run production delivering unparalleled and error-free print quality.

The Performer is your ideal solution for environments with existing offline finishing equipment.



ALL-ROUNDER

The All-rounder addresses flexible high-volume production demands in combination with fully automated short-run printing and finishing. It gives you the option to decide case by case how to produce the job at hand most efficiently.

The All-rounder is perfectly suited to production environments combining the strengths of both offline and inline finishing.



SPECIALIST

The Specialist is the perfect match for the automatic production of defined, ready-made print products. By compromising on the overall engine performance, operator interventions are kept to a minimum and production steps, errors and waste are reduced.

The Specialist is great in locations without offline finishing and wherever manual operation should be minimized.



10 GOOD REASONS FOR AccurioPress C14010 SERIES



1. SIMPLY EFFICIENT

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



2. PERFECT IMAGE QUALITY

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



3. HIGHEST RELIABILITY

built on platform to manage up to 2.5 million prints a month.



4. DURABLE PERFORMANCE

Same speed on all medias from 52 to 450g/m².



5. MORE JOBS IN THE SHOP

Ready-made print products and geared up finishing with a variety of inline solutions.



6. EASE OF USE

even novice operator will get very good and repeatable results with just a finger tip.



7. GROW YOUR BUSINESS

with a variety of supported medias like long sheets, banners, embossed, envelopes, recycled and polyester films.



8. INCREASE UPTIME

with automated and time reduced setup times.



9. IMPROVE YOUR CUSTOMER LOYALTY

auto quality measure to print the expected.



10. SHORT TURNAROUNDS

with automated quality control and inspection on the fly.



TAKE LEADERSHIP AND RESPONSIBILITY

RETHINK TOMORROW'S BUSINESS

MADE FOR YOUR BUSINESS

Commercial printers

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

CRDs

Our production printing portfolio supports a high degree of automation and also ensure high-level quality. Professional inline finishing produces ready-made print products at the click of a finger. While 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 aim to 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 has 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 inks, substrates and electricity, and also reduce waste and CO₂ emissions.

CONTROLLER AND OPTIONS

RETHINK THE NEEDS

FIERY IMAGE CONTROLLER IC-323	
Architecture	External
OS	Windows 10 IoT Enterprise LTSC 2021
CPU	Intel® Xeon 4310
RAM std	32 GB
HDD	SSD Boot drive + 2x 2 TB
Page-description language	CPSI 3020; APPE 6.0; Adobe® PostScript® Levels 1, 2, 3; Adobe PDF, PDF/X-1a, 3, and 4; Optimised PostScript® and PDF; Enhanced PCL6/PCL5; EPS, TIFF, JPEG (via Hot Folders)

FIERY IMAGE CONTROLLER IC-322	
Architecture	External
OS	Windows 10 IoT Enterprise LTSC 2021
CPU	Intel® i5-12500
RAM std	16 GB
HDD	SSD Boot drive + 1 TB
Page-description language	CPSI 3020; APPE 6.0; Adobe® PostScript® Levels 1, 2, 3; Adobe PDF, PDF/X-1a, 3, and 4; Optimised PostScript® and PDF; Enhanced PCL6/PCL5; EPS, TIFF, JPEG (via Hot Folders)

CREO IMAGE CONTROLLER IC-320	
Architecture	External
OS	Windows 10 IoT Enterprise LTSC 2021
CPU	Intel® Core i7-10700E
RAM std	20 GB (4 colors); 24 GB (5 colors)
HDD	8 TB
Page-description language	CPSI 3022; APPE 6.1; Adobe PDF (versions 1.3 through 1.7, PDF 2.0, PDFX-1a, PDF/X3, PDF/X4, PDF/X6); PostScript (composite files) levels 1, 2, 3; EPS; PPML (Personalized Print Markup Language) PPML.zip, PPML/VDX; PDF/VT (PDF/VT1, PDF/VT2); JDF/JMF; JPEG; TIFF - supports TIFF 6.0 files saved with sliced internal; data 1 bit TIFF; IPDS / AFP (Transactional)

AccurioImage CONTROLLER IC-614	
Architecture	Internal
OS	Linux
CPU	Intel® Core i7-10700E
RAM std	32 GB
HDD	4 TB
Page-description language	CPSI3022; APPE 5.6; PDF direct print (PDF Ver.2.0); *PDF1.3-2.0; PDF/X-1a, PDF/X-3, PDF/X-4, PDF/VT-3; TIFF direct print (TIFF Ver. 6 conformity); PPML (Ver. 2.2); PCL5c conformity; PCL XL (PCL6 Ver. 3) conformity

OPTIONS	
AccurioImage controller	IC-614
Fiery external image controller	IC-322
Fiery external image controller	IC-323
CREO external image controller	IC-320
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
Conveyance Unit	RU-518m
Humidifier	HM-103
Intelligent Quality Optimizer	IQ-601
Auto Inspection Kit	AI-101
5th Color Engine Kit	CK-102 (only S Version)
5th Color Interface Kit	UK-121 (only S Version)
Intelligent Media Sensor	IM-104
Intelligent Media Sensor (paper size)	IM-105
Envelope Fusing Unit	EF-106
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
Saddle Stitcher kit	SD-510
Punch kit	PK-525
Mount Kit	MK-732
Post Inserter 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
Folding kit	FD-504
Trimmer kit	TU-503
Creaser kit	CR-101
Stacking Unit	LS-507
Handcart	LC-502
Trimmer Unit	TU-510e
Creaser kit	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

TECHNICAL SPECIFICATIONS

RETHINK PRODUCTION PRINTING

SYSTEM SPECIFICATIONS

Resolution	2,400 x 3,600 equiv. dpi x 8 bit
Paper weight	52 – 450 g/m ²
Duplex unit	Non-stack type; 52 – 450 g/m ²
Paper sizes (max.)	330.2 x 487.7 mm 330.2 x 900 mm (max.duplex) 330.2 x 1300 mm (max. simplex)
Paper input capacity	14,140 sheets
Recommended environmental conditions	21–26° C temperature; 40 – 60 % relative humidity (Deviations may affect the specifications)
Non printable area	Leading/Trailing edge: ≤4 mm Right/Left edge: ≤3 mm Trailing edge: ≤6 mm for thick paper (200 g/m ² or more)
Image registration	+/- 0,6 mm
Main unit dimensions (W x D x H)	1,151 x 932 x 1,620 mm
Main unit weight	560 kg

PRODUCTIVITY

AccurioPress C14010/S	
A4 – max. per minute	140 ppm
A3 – max. per minute	80 ppm
SRA3 – max. per minute	76 ppm
A4 – max. per hour	7,981 pph
AccurioPress C12010/S	
A4 – max. per minute	120 ppm
A3 – max. per minute	69 ppm
SRA3 – max. per minute	65 ppm
A4 – max. per hour	6,832 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.
- 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.