



KONICA MINOLTA

AccurioWide

HYBRID UV LED WIDE FORMAT INKJET PRINTERS

RETHINK INDUSTRIAL PRINTING



Giving Shape to Ideas

WITH THE AccurioWide 160/200 KONICA MINOLTA IS GOING WIDE WITH INKJET. RETHINK INDUSTRIAL PRINTING

If you've been looking to combine rigid and flexible roll print jobs within one printer, the AccurioWide hybrid UV LED wide format printer series is perfect for you. We offer two models so you can select the one that suits your needs: AccurioWide 160 at a media width of 1.6 meters; or the AccurioWide 200 at a media width of 2.0 meters. Its superior image quality and high productivity for outdoor and indoor job applications will impress your most challenging, quality-minded customers. The printer is equipped with UV LED lamps that allow you to print on a wider range of media – while simultaneously saving energy, time and costs. The 4-color plus white ink configuration creates even more possibilities for printing on transparent material for backlit applications or for printing white as a spot color. The 6-color ink configuration offers a larger color gamut, giving you the capability to print those hard-to-hit colors. The end result is a versatile printer that helps you increase your job applications – and grow your business.

Built for reliability and productivity.

The AccurioWide printers are engineered for sustained higher workloads with the latest generation of Konica Minolta print heads. UV LED curing offers fast throughput while achieving excellent print quality. You'll be able to maintain high print production with all media types and deliver on time to your most demanding customers. The "borderless" printing feature further enhances your productivity.

Expands your range of job applications.

The AccurioWide series adds versatility to your business, offering a wide range of print job applications that will improve your profit. It produces top-quality prints on uncoated rigid media, such as corrugated boards, rigid plastics, exhibition panels, stage graphics and advertising panels; as well as on flexible roll media including film, vinyl and paper, banners, canvas and coated textile. It can even be used to print on niche products such as wood, personalized objects or creative architectural and interior décor.



Uses UV inks on a wide range of substrates.

By using UV inks and the low heat generated by the LED array, the AccurioWide series enables you to print on a wider range of materials. You'll be able to print on thin heat-sensitive styrene, foils and laminates, coated paper, PET, fluted polypropylene, soft boards and industrial film. Layered printing with color and white ink will give your backlit signage a high-quality look with vibrant colors.

Exceptional print quality at any size.

The AccurioWide series was designed to provide sign shops, screen printers, photo labs, commercial printers and franchise printers the quality and power they need for wide format applications. The reinforced belt drive and shuttle beam brings highly accurate dot positioning with superior image quality, boosted by the gradient and multilayer functionality.

With four to six 12 picoliter color print heads, the AccurioWide series guarantees strong lines, fine text reproduction up to 4 point, exceptional tonal rendering and low ink consumption. The two 30 picoliter white print heads allow you to print white in multiple modes and layers.

Innovative UV LED print technology.

The AccurioWide printers are equipped with powerful, air-cooled 16 W/cm² UV LED lamps for the curing process. Not only will you and your customers benefit, but the environment will too:

- LEDs are cool to the touch and have minimal heat output, allowing for a broader scope of print applications. Print on heat-sensitive substrates such as thin film, self-adhesive sheets or stretch PVC materials. Limited heat generation produces a very stable bi-directional calibration
- LED lamps are switched on/off instantly, without any degradation of intensity. That means no lamp warm-up time or delay for shutter motion. The result is faster operations with higher productivity
- LEDs last for at least 10,000 hours each – possibly as long as five years. They generate a consistent output through that period with no lamp change downtime or consumable lamp costs
- LEDs have a maximum energy consumption of 1 kWh per module, lending to significant power savings
- UV LED lamps don't contain mercury – so there's no need for special mercury



AT A GLANCE

AccurioWide Hybrid UV LED Wide Format Inkjet Printers

- Capable of printing on rigid and flexible roll material
- Prints up to a maximum width of 2.0 m for the AccurioWide 200; 1.6 m for the AccurioWide 160
- UV LED lamps save time, reduce costs and are environmentally sustainable
- Superior print quality for all speed modes
- Prints on a wide range of substrates
- Media thicknesses up to 45 mm
- Features Konica Minolta 1024i print heads



BUILT TO PERFORM FOR YOUR CUSTOMERS. AND YOUR BOTTOM LINE.

RETHINK INDUSTRIAL PRINTING

The AccurioWide series combines state-of-the-art image quality, UV LED technology and high-productivity flexibility. Take a look at how it works:

REINFORCED BEAM

Ensures that the shuttle moves flawlessly, providing accurate droplet placements.

SHUTTLE SAFETY SENSORS

Prevents recessed print heads from touching the substrate and getting damaged.



INFLATABLE AIRSHAFT

In the roll-to-roll mode, inflatable airshafts on both the unwinding and winding side, as well as the media tension roller on the rewinding side, assure perfect tension of the materials for wrinkle-free printing. Standard on the AccurioWide 200; an option for the AccurioWide 160.

MEDIA HANDLING

Loading media is a smooth and accurate process thanks to automated features of the media registration bar and the head height adjustment. The automatically controlled vacuum system consists of two to four zones, delivering an equal vacuum suction to ensure flawless media transport, producing accurate print results time and time again.

IONIZATION BARS

Ionization bars are mounted on the carriage, removing electrostatic charges on the substrate material. This ensures optimum and accurate ink droplet placement.

LED LAMPS

Air-cooled UV LED lamps provide a huge savings on energy consumption. Due to the minimal energy output, they're ideal for thermal sensitive materials such as thin film, self-adhesive sheets and stretched PVC materials.

OPERATOR INTERFACE

The graphic user interface (GUI) is located on a convenient swivel-arm with a mounted touchscreen. Printed files are spooled, viewed and stored by an internal bitmap server with a hard drive capacity of 1 TB for rasterized images that ensures fast spooling and secure transfer of large amounts of data.

INK MONITORING

The automatic ink refill system monitors UV ink levels. The ink refilling system can be easily accessed, enabling a spotless refill of your ink reservoirs. The white ink is managed by a fully separate system. The tank is equipped with a stirring mechanism to keep the ink properly mixed at all times.





SUPERIOR QUALITY PRINTS START WITH KONICA MINOLTA UV-CURABLE INKS.

The AccurioWide series uses high performance UV inks recognized for the lowest ink consumption per square meter on the market. Its “Pigment Shield Technology” is a patented pigment dispersion technology specifically designed for UV inks. It guarantees high color density and ink stability that contributes to a long ink shelf life, when stored under normal conditions.

Richer. Bolder. Broader. Our UV inks are first-in-class.

- Instantly dry due to the UV LED lights and can be handled immediately
- Superior adhesion
- Abrasion and chemical resistant
- Outstanding consistency and reliability
- No need for evaporation or special layers on media
- No VOC emissions

Advanced white printing

The AccurioWide series fully supports white layered printing in pre-white, post-white and sandwiched white modes. The constant stirring and circulation flow along the entire ink line to the temperature controlled print heads limits the risk of ink resettling and lines becoming blocked or clogged.

Konica Minolta print heads

Equipped with the Konica Minolta KM1024i series print head, a high-speed 1,024 nozzle inkjet print head, the AccurioWide series provides greater richness of gradients and high-definition image quality. Our technology enables simultaneous emission from all 1,024 nozzles with a high-density structure featuring four lines of 256 nozzles aligned with high precision enhancing position accuracy.



INNOVATION THAT PUTS OUR PLANET FIRST.

Protecting the planet has always been a top priority at Konica Minolta. Our environmental initiatives will help you realize yours. Through EcoVision 2050, we've committed to a mid-century goal of reducing CO₂ emissions by 88% over 2005 levels, minimizing greenhouse gases that may contribute to global warming. The AccurioWide series uses UV ink, which has no VOCs. As Hybrid printers, they can print on both rigid and flexible materials. Its UV LED lamps use very low heat, and are only on when in use, greatly reducing power consumption. Our Konica Minolta KM1024i inkjet print head reduces the amount of petroleum-derived resources used by approximately one-third from previous versions.

AccurioPro WideDirector. THE HIGH-PERFORMANCE WORKFLOW SOLUTION THAT MEETS ALL YOUR NEEDS.

This powerfully advanced, fully automated and scalable workflow solution controls the entire printing process, from prepress to production to finishing. You'll benefit from better print quality, faster turn-around time and less waste – and of course, satisfied customers

Improves productivity and reduces costs

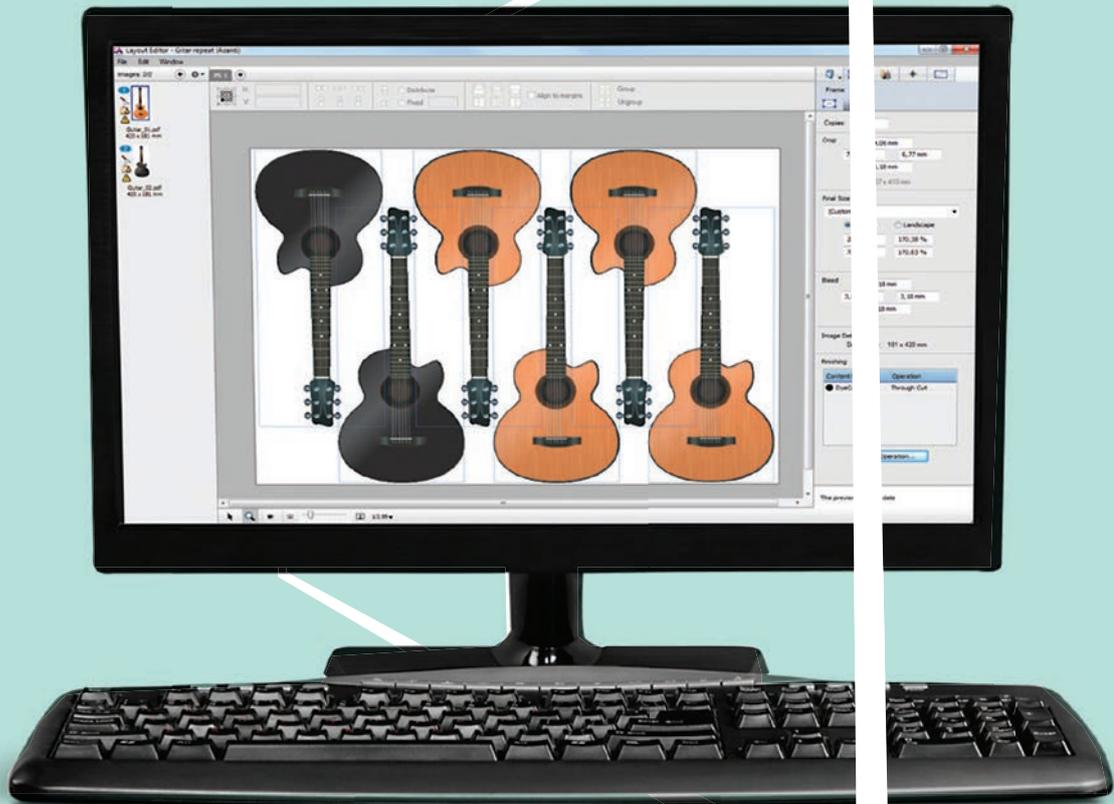
An intuitive GUI integrated with the latest version of Adobe PDF Print Engine (APPE) manages PDF master files while eliminating the need for manual intervention. Device dependent JDF control processes give greater control of the workflow and optimize print quality. Specific application functionalities include nesting, tiling, media handling, parameter presets, smart DQS, automated intake, see-through concept, proofing support and automated pre-flighting. With XML Connect, you can integrate to existing storefronts, further automating job submission.

Intuitive user interface

The easy-to-use interface features improved job layout and positioning visualizations. The dashboard shows the print process and printing time estimates, print jobs, the number of prints, machine status for multiple printers, ink levels, elapsed print time and more. It even instructs the operator on the mounting sequence directly from each print job.

Preflighting

Powerful preflighting saves you time and money by reducing idle time on your printers, standardizing processes and avoiding errors. Auto checking PDF files and job validation identifies issues early in the process, ensuring all print data is handled correctly.



Accurate and consistent prints

The AccurioPro WideDirector can access different media types stored in a database and quickly apply them to your job.

Rendering, image and color quality are fully automated. It checks files prior to printing, ensuring layers and transparencies are handled correctly while flagging any potential issues that need correcting. The software will generate color settings and control them automatically.

Manages color

Take the guesswork out of managing color – and get reliable, predictable results and color fidelity performance.

The AccurioPro WideDirector features full compatibility with pre-determined ICC profiles, the ability to generate customer profiles and convenient proofing support.

FULLY CAPABLE OF PRINTING ALMOST ANYTHING.

The AccurioWide series is built for impact. The inkjet-based technology delivers high-impression content on almost any substrate, with media thickness up to 45 mm. Plus it's a workhorse, able to sustain the heaviest workloads to keep your business growing and profitable.



Signage

The phenomenal quality you demand, at the size you need for both indoor and outdoor signage. Eye-popping color for your backlit signs, billboards and banners. Seamless print support helps with billboards and other large graphics.



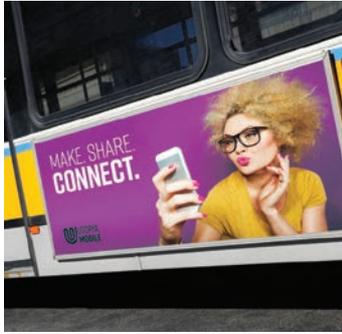
Art, photographs & murals

Exceptional image quality makes the AccurioWide ideal for reproducing photography and art graphics, including printing on textured canvas or glass. It also can be excellent for trade show and stage set design.



Industrial labels

Combining exceptional quality and durability, the AccurioWide is built to print safety and regulatory-compliant signs and labels, including hazard communication, pipe marking, equipment panels, facility and safety ID and more. Tough enough to use on electrical transformers, outdoor equipment, construction sites, bridges and road construction.



Vehicle graphics

Offer clients the ability to personalize one vehicle or a fleet with head-turning custom vehicle graphics that are easy to apply.



Window clings & floor graphics

The AccurioWide is ideal for printing on flexible materials, such as thin film, self-adhesive sheets and stretched PVC materials. The air-cooled UV LED lamps have minimal heat output and also provide energy savings.



Banners

AccurioWide ensures your vinyl or textile banners have plenty of wow factors. Banner printing is easy and quick.



Yard signs & corrugated substrates

For more durable applications, the AccurioWide's versatility goes beyond normal printing, handling applications that require strength. Thickness can vary from 1 mm to 45 mm.



Object printing

Printing has gone way beyond paper. The AccurioWide has as well, allowing you to print directly on a wide range of substrates – print wood, metal, glass and PVC to create unique graphic treatments. Substrate thickness can vary from .1 mm to 45 mm.

TECHNICAL SPECIFICATIONS

RETHINK INDUSTRIAL PRINTING

Workflow automation software for AccurioWide printers

Printing specifications – rigid media		
	AccurioWide 160	AccurioWide 200
Max. width	165 cm 160 cm with borderless printing	205 cm 200 cm with borderless printing
Max. length	3.2 m – 2 small and 2 large rigid tables (2 rear and 2 front)	3.2 m – 2 small and 2 large rigid tables (2 rear and 2 front)
Thickness	Min. 1 mm Max. 45 mm	Min. 1 mm Max. 45 mm

Printing specifications – flexible media		
Max. width	165 cm	205 cm
Min. thickness	0.2 mm	0.2 mm

Print speed		
Draft mode	Up to 63 m ² /hr	Up to 104m ² /hr
Express mode	44–54 m ² /hr	64–71 m ² /hr
Production mode	Up to 28 m ² /hr	32–52 m ² /hr
Standard mode	13–17 m ² /hr	19–28 m ² /hr
High-quality mode	Up to 7 m ² /hr	8–15 m ² /hr

Print heads and ink		
Print heads	KM1024i print heads	KM1024i print heads
UV ink channels CMYK + 2 white	CMYK + 2 white or CMYKLCm	CMYKLCm + 2 White

Image and text quality		
High quality	Up to 720 x 1,440 dpi	Up to 720 x 1,440 dpi
Text quality	Positive: 4 points Negative: 6 points	Positive: 4 points Negative: 6 points

Engine dimensions and weight		
Main unit dimensions (H x W x D)	166 x 391 x 155 cm	177 x 450* x 160 cm
Main unit weight	1,020 kg	1,800 kg

System integration rip / workflow software	
	Integrated production solution with AccurioPro WideDirector / 3rd party RIP integration is possible

Extension tables		
Large extension tables (H x W x D)	Optional: 2 tables per set Folded: 106.7 x 168.5 x 79.9 cm Unfolded: 106.7 x 168.5 x 181.9 cm Weight: 80 kg each table	Included: 2 tables per set Folded: 107 x 218 x 99 cm Unfolded: 107 x 218 x 185 cm Weight: 60 kg each table

*Without swivel arm
For detailed specifications, see data sheets.

- 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 actual life of each consumable will vary depending on use and other printing variables including coverage, size, media type, ambient temperature and humidity.
- Specifications 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 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.





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