

JETRIX

The Birth of a Masterpiece

JETRIX Flatbed UV Printer



LXa2

- Various combinations of CMYKLcLm, Primer, Varnish and White ink
- Precision print quality with up to 16 printheads
- Efficient workflow with JETRIX original graphical user interface

LXa8 *JETRIX Flatbed UV Printer*

The JETRIX LXa8, meticulously designed based on JETRIX's accumulated expertise and technical capabilities, is a robust 3.2m large-format flatbed UV printer. It delivers exceptional print quality across various materials. With its grayscale and masking mode features, it ensures precise and detailed print, even with small 6-picoliter droplets, guaranteeing professional-grade high-quality results. The JETRIX LXa8 is perfectly suited to elevate your business across a wide range of applications, including outdoor advertising, window displays, packaging, signage panels, and promotional items.



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LXa8 STANDOUT FEATURES

Large Flatbeds Optimised For Productivity

The large flatbed printer offers a maximum print size of 3,200mm x 2,050mm, enabling seamless printing of both large-scale images and smaller jobs in a single run for enhanced efficiency. Guide pins placed at the edges of the bed ensure compatibility with flexible materials as well as rigid substrates up to 100mm thick, delivering versatile and reliable performance.

Smart Ink System

The white ink circulation system ensures that ink automatically circulates even when the printer is idle, maintaining a smooth and stable ink supply. The white ink tank is equipped with a stirring mechanism that ensures the optimal ink concentration is maintained through continuous mixing. The ink refill system is conveniently accessible, allowing the ink containers to be cleaned and refilled easily and simply.

Status Indication LEDs

During carriage operation, a light curtain detects movement and displays the current status of the equipment via LEDs along the front edge of the bed. This allows operators to intuitively monitor safety while enhancing the overall design with a beautiful LED aesthetic.

Blue : Image printing status (Safe)

Red : Emergency stop and front/rear light curtain detection status (Hazard)

Linear Motor

Equipped with a linear motor, it ensures stability and precision in print quality while enabling fine control. Compared to the previous LXi series, it offers enhanced speed and superior quality.

Ioniser

The ioniser bar installed on the carriage removes static charges from the substrate, ensuring optimal ink droplet placement.

Anti-Head Crush

Prevents head collisions during printing, protecting the print head and enhancing overall safety.

Auto-Wiping Function

After purging, the wiper automatically cleans residual ink droplets, maintaining sharp print quality and simplifying nozzle management.

UV Lamp Upgrades

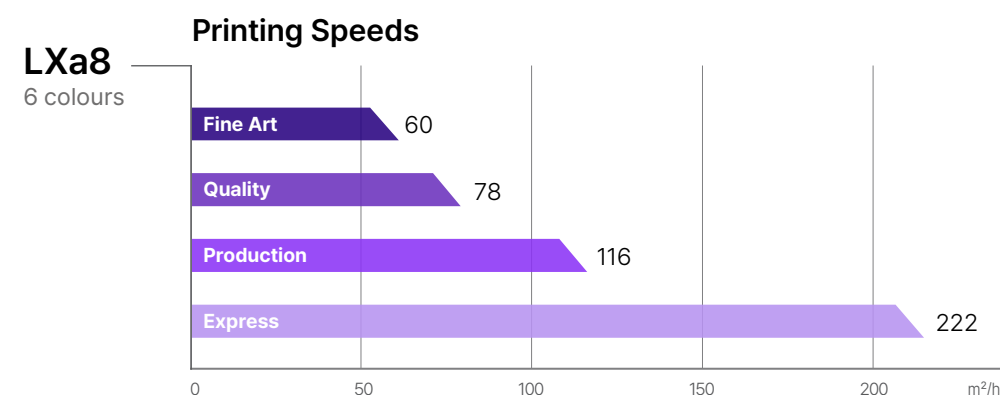
The UV lamp intensity has been upgraded from 1,816mW/cm² to 3,890mW/cm², enhancing curing performance and improving ink to material adhesion.

Strong Vacuum Internalization

When printing begins, a powerful vacuum is automatically activated. The front and rear vacuum control buttons allow for convenient handling, enabling users to load or remove materials from the rear, whilst the front is still in operation. The intelligent vacuum system, divided into 6 zones, maintains a strong vacuum level throughout the printing process, ensuring stability for both flexible and rigid materials.

LXa8 JETRIX FLATBED UV PRINTER

Competitive Printing Speeds



Flatbed

3.2x2.05 m

Productivity

222 m²/h

Resolution

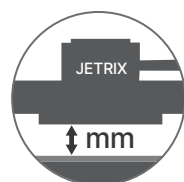
1,440 dpi

Colour Channels

9

Maximum Thickness

100 mm



Maximum Loadable

100 Kg



JETRIX HIGH QUALITY UV INKS

World Class InkTec-Made Inks

InkTec UV inks have many benefits for outdoor & indoor printing due to their superior UV resistance, high colour concentration and excellent adhesion. Their fast drying time, wide colour gamut and high density delivers enhanced printing productivity. Furthermore, these inks are suitable for a wide range of both coated and uncoated medias, such as Flex, PVC and Vinyl and ridged substrates such as ACM, Correx, Acrylic, Glass and Foam PVC.

The JETRIX UV inkjet inks are stable, fast curing and easy to handle. These digital inks print in sharp, vibrant colours on a wide range of flexible and rigid, coated and uncoated media. Generating high image quality, they offer an ideal solution for various indoor and outdoor applications.

High Quality Printing

Outdoor Durability

The JETRIX UV inks have been formulated using only the highest quality of automotive grade pigments. The result is a high quality print with superior lightfastness for most graphical arts applications, also delivering long-term outdoor benefits. Accelerated weathering tests on different substrates indicate the outdoor durability is more than 2years under normal outdoor conditions.

Varnish can be used to add impact and value, with a spot or flood varnish giving a uniform finish. Primer can be used to print on difficult substrates, such as glass and metal. White ink can be used to produce images on transparent or coloured materials.

Versatile Functional Inks and White

GREENGUARD Gold Certification

The JETRIX UV inks are GREENGUARD Gold certified products, awarded by UL, a globally recognised safety certification organisation. It ensures safe usage by emitting volatile organic compounds (VOCs) below the standard limits.

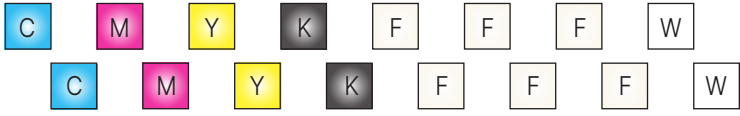


> Colour Configuration

9 Channel

● ● ● ● ● ● ○ + Varnish, Primer

PRODUCT SPECIFICATIONS

Model	<i>LXa8</i>	
Print Head	Konica Minolta KM1024a	
Head Array	Max. 16 Printheads (1 or 2 Rows) <div>  </div>	
Ink Type	UV LED Curable (GREENGUARD Gold)	
Resolution	Up to 1,440 dpi (addressable)	
Flatbed, Full Bleed	3,200 mm x 2,050 mm	
Material Clearance	Max. 100 mm	
Substrate Weight	Max. 100 kg/m ²	
Printing Materials	Acrylic, Glass, Metal, Plastic, Wood, Paper, Leather, Stone and slate, Ceramic, Fabric, etc.	
Productivity	Top Speed	222 m ² /h
	Production	116 m ² /h
	Quality	78 m ² /h
	Fine Art	60 m ² /h
Rip Software	ONYX, CALDERA, PRINT FACTORY	
Installation Environment	Power Supply	380~400V, 3 Phase, 50~60Hz
	Temperature Range	+18 °C to +25 °C
	Relative Humidity	30% to 60% non-condensing
Dimensions / Weight	5,530(W) x 3,200(D) x 1,580(H) mm / 1,950 Kg	

*Printing speed was measured based on masking mode, printing width of 3.2m, and may vary depending on various factors such as the image being printed, firmware version, PC operation status, and printing settings.

*Information provided is deemed correct at publication, but may be subject to change without notice.

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JETRIX LED