Mars 8R

High Speed Ultra-wide Format Photographic UV Printer

Mars 8R is available for super-wide advertising industrial solution, especially for the HD light-box, it is the superb integration of accuracy and speed of throughput up to 250m²/h after many years' R&D from JHF. JHF's high-end technology and printing system allow for Mars 8R to print photographic quality, which is ideal for high-end indoor displays where close viewing is required.

Product Features

Smart Controlling System
Mars 8R is installed with PLC+ touch screen to achieve the automatically operations on each procedures.

Seamless Grand Format Solution without Joints
Mars 8R is designed with 5000mm printing width, which is only ideal for different formats application but also perfect for the grand format outdoor and commercial advertisings seamlessly without joints.

Carriage with Edge Sensor
Automatic detection of media edges.

Simultaneous Printing of Different Multi-Tasks
It can perform 3 different printing tasks at the same time with excellent image quality and color vibrancy.

Multi-layers Printing
Multi-layers with white can be printed at the same time, right now we can support 5 layers printing.

Unique Sub-tank Controlling Technology
It prevents the ink leakage in case of sudden outage.

High-tech Linear Driven Printhead Carriage
It gives a more stable carriage movement and its metal raster ensures the high precision in X-axis direction.

Robust Machine Frame
Robust frames ensure superb reliability without deformation and its four large rubber rollers minimize the media winding possibility and the feeding deflection, and grip the media without damaging it. This technology has obtained National Patent.

Mesh Printing
Special design with mesh kit, optional for customers to print mesh material.

LED Lamp Curing
LED lamp with ultra-performance delivers an instant curing of the print coming off of the printer ready to finish. It enables you to print on a wide media mix and to save energy, costs and time without producing ozone gas.

Decreased Compressed Air by 90%
Its negative pressure controlling device reduces the use of compressed air for more than 90%, improving the service life of the air compressor effectively.

Technical Specifications

Printhead	Kyocera KJ4A, 8C*2
Head Alignment	Single Row / Double row
Ink Color	C, M, Y, K, Lc, Lm, O, G
Curing	LED UV Curing

Printing speed	Pass	Resolution	One Row	Two Rows
	3pass	300×1800dpi	150m^2/h	250m^2/h
	4pass	600×1200dpi	110m^2/h	180m^2/h
	6pass	600×1800dpi	80m^2/h	120m^2/h
	8pass	1200×1200dpi	60m^2/h	95m^2/h

Substrates	Lightbox PVC, backlit PET film, fabric and soft signage material
Max Printing width	5000mm
Controlling software	JHF Printer Version
Environmental requirements	Temperature 18~28℃, Humidity 30%~70%(non-condensing)
Air pressure parameters	≥8kg/ cm^2
Connectivity	PCIE
Electrical power	3-phase, 380AV/ 25KW
Machine Size	L 8470mm*W 1730mm*H 2330mm
Machine weight	7600KG

Application

From interior design elements to breathtaking graphics, the application potential of Mars 8R drives profitable super-wide jobs and propel your business into the luxury brand market.

JHF