



Venus 10r

Ultra-wide Industrial Printer



Venus 10r independently developed by JHF is another masterpiece in the field of ultra wide industrial printers, which integrates intelligence, speed, accuracy and stability. Venus 10r is equipped with a double row ten color output system to realize photo-realistic output. Wide format 5m and multi-rolls printing kit can effectively improves production efficiency and easily cope with various application scenarios, all in one design to save the cost. Meanwhile, Venus 10r introduces industrial PLC and automatic integrated operation, cancels operation buttons on the machine body, and the printing task control can be completed on the console. The whole machine does not need personnel to guard, realizing unmanned intelligent printing in the whole process. Venus 10r will re-establish professional and high-quality product standards and promote ads market to a new height.

Photo-realistic double 10 colors



Bolder and imaginative colors

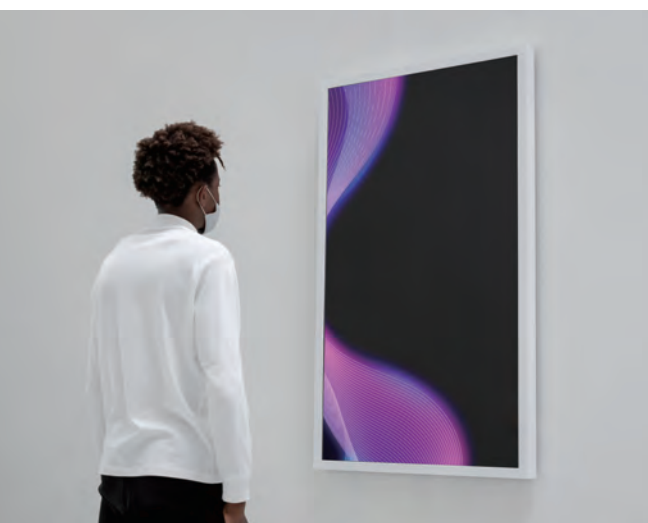
Featuring a carriage plate with 20 printheads, allowing for versatile applications and optional full-color or color-white-color printing. With this setup, production is made both efficient and convenient, while ensuring full compliance with color requirements.

Optional ultra wide with style



High quality output

0.5μ high-precision metal encoder strip and maglev system perfectly ensures the ultra-high printing accuracy when printing at high speed. It benefits to improve production efficiency and output quality.



Superior expressive force

Configured with double row ten color, it can easily meet customers' high-quality printing requirements for advertising pictures and large billboards.



Instantaneous capacity

5m ultra wide printing, flexible production mode can realize the simultaneous printing of three rolls of 1.6m wide materials, which can greatly improve the instant production capacity and help customers get ahead in the market competition.



Learn more about Venus 10r

Core technology

Superior performance operation

- The flexible production mode can realize the synchronous printing of three rolls of 1.6m wide materials.
- The customized feeding system and the national patented roller structure make the printing materials run more accurately and smoothly, not easy to deviate, and more suitable for high-speed printing in large quantities.
- The ink temperature control system independently developed greatly improves the smoothness of ink and the printing stability.
- The negative pressure platform managed by frequency conversion to ensure the stability of the negative pressure and effectively prevent the wrinkle of the feeding.

Ultra high output quality

- 5m wide format, double row ten color output system, all succeed in photo-realistic output.
- 0.5μ high-precision metal encoder strip and maglev system perfectly ensures high printing accuracy during high-speed printing.
- With 20- printhead carriage plate, a variety of applications, offering full-color or color-white-color printing optional, with the ability to switch between them freely.
- By a highly efficient and fully automatic drying system and LED curing, the image can be printed and dried instantly and featured with waterproof, sunproof and scratch resistant, which is more energy-saving and environmental friendly, and has higher definition, brightness and color saturation.

Intelligent module

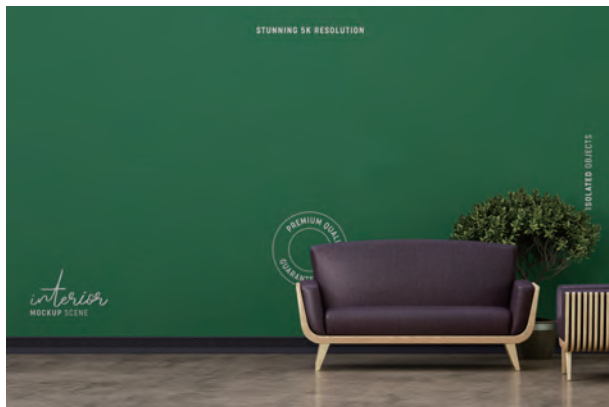
- Venus 10r is a highly intelligent industrial digital equipment with big potential for further system upgrading, effectively saving labor costs.
- Double sided intelligent printing function, the printing position can be found more accurately by scanning through the camera.
- Intelligent cutting function, which can synchronize to cut the picture vertically into 2-3 parts during the machine working.
- Automatic boundary detective function, multi roll material can realize intelligent typesetting and synchronous printing to increase the production capacity of the machine.
- Independently developed brand new printhead lifting and protection system, combined with automatic height measurement technology, which greatly reduces the deviation and error caused by manual operation, and the anti-collision induction system better protects the heads and UV lamp.
- Independently developed stable high-precision electronic negative pressure system to ensure stable and smooth ink supply; also equipped with negative pressure protection and feedback, which can prevent ink from back flowing.
- Radiation protection function: the front guardrail is covered with dark gray Plexiglas, which can 100% prevent UV radiation to the human body. Meanwhile, it can clearly observe carriage motion, and realize the convenient operation of one key lifting.



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Technical Specifications

Maximum printing width	5000mm		
Print head	Kyocera, 3pl, 7pl, 14pl		
Head alignment	2 rows, 20 heads(10C*2)		
Printing mode	High speed mode	300×1800dpi	230 m²/h
	Production mode	600×1200dpi	180 m²/h
	Fine mode	600×1800dpi	120 m²/h
	Ultra fine mode	1200×1200dpi	95 m²/h
	(the above mentioned speed is based on speed without smooth)		
Media type	PVC banner, PET film, backlit & frontlit fabric, PE film, mesh, etc.		
Ink type	UV ink		
Ink color	CMYK LC LM LY LK OB WG PR		
Control software	JHF Printer V5.0		
Working environment	Temp.18-28°C, RH 30-70%		
Air pressure parameters	≥8kg/ cm²		
Connection interface	PCIE		
Power requirements	3 phase, 380V, 25KW		
Machine size	L 8500mm*W 1850mm*H 2150mm		
Machine weight	8000KG		



For further information, please contact local JHF partner. Website: www.jhfprinter.com

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JHF TECHNOLOGY GROUP CO.,LTD

Add 1: DMI Industrial Park, No.3000, Meili East Road, Huaiyin District, Jinan, Shandong, P.R.China.

Add 2: No.8-2, Zonger Road, Yangzhen Industrial Zone, Shunyi District, Beijing101309, P.R. China.

+86-10-65776767

jhf@jhfprinter.com

www.jhfprinter.com

JHF