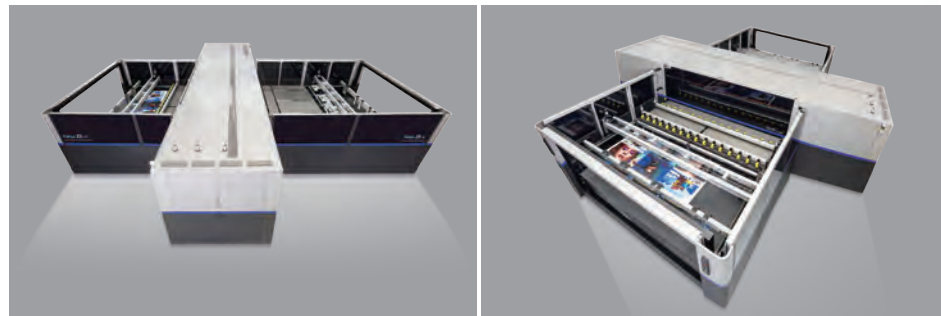


## Technical Specifications

Media	Maximum width 3.3 metre
Print sizes	Maximum width 3.3 metre
Ink range	std colours – CMYKLCm – Optional white
Ink reservoir	Top loading 7 ltr tanks , White 2 ltr
Print head	Up to 32 Kyocera KJ4A heads
Number of nozzles	2656 nozzles per colour channel with white channel having 10624
Print resolution	Print resolution up to 1200 x 1200 dpi
Productivity	in excess of 600m <sup>2</sup> /hour for RTR and in excess of 100 beds/hour
Curing system	LED Lamp – lamp life minimum 5000 hours
Power supply machine	380 v 3 phase 50/60 Hz 30 amp, 7 kw consumption. (Vacuum motor: 400 V 3-ph+N+PE/Gnd, 50/60 HZ, 80 A, 33.5 KW)
Connectivity	Connectivity Minimum 1000 base T
Air supply	Pressure (minimum): 8 kg/cm <sup>2</sup> (7.85 bar / 114 psi)
Media Type – RTR	Up to 2 mm including PC, PET, UV textiles, Papers, SAV, Mesh, banner PVC
Media Type – rigid	Up to 5 cm including Foam PVC, Rigid PVC, Dibond, PE Flute, Acrylic, P&B
Media RTR – single roll	180 kg x 36 cm diameter x 3.2 m width
Media RTR – dual roll	Each – 90 kg x 36 cm diameter x 1.6 m width
Media RTR on table rollers	20 kg max weight
Media capabilities rigid	Max 15 kg/m <sup>2</sup> – Max single sheet weight on table 80 kg
Sheet sizes	Minimum sheet size 50 x 70 cm. Max 3.2 m x 3 m (with table extensions)
Environment	18-28° C. 40-80% RH (noncondensing) (Altitude 0-2000 m)
Dimensions L x W	Machine only – 9m x 2.6m With 2 tables – 9m x 6.5m With half automation - 9m x 10.6m With full automation – 9m x 14.8m
Weight	9t



For further information, please contact local partner Website: [www.1brandsolutions.be](http://www.1brandsolutions.be)  
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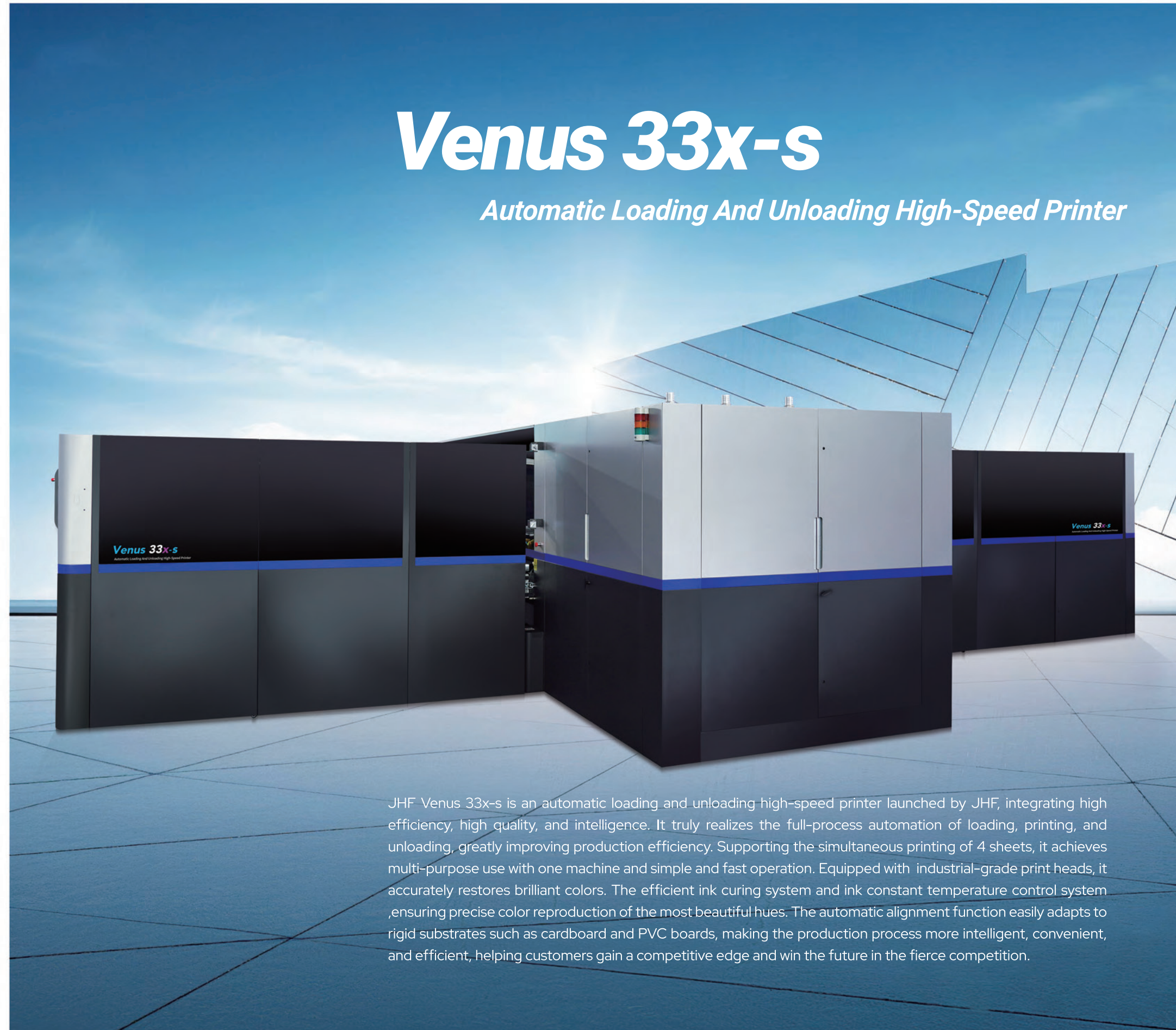
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# Venus 33x-s

*Automatic Loading And Unloading High-Speed Printer*



JHF Venus 33x-s is an automatic loading and unloading high-speed printer launched by JHF, integrating high efficiency, high quality, and intelligence. It truly realizes the full-process automation of loading, printing, and unloading, greatly improving production efficiency. Supporting the simultaneous printing of 4 sheets, it achieves multi-purpose use with one machine and simple and fast operation. Equipped with industrial-grade print heads, it accurately restores brilliant colors. The efficient ink curing system and ink constant temperature control system, ensuring precise color reproduction of the most beautiful hues. The automatic alignment function easily adapts to rigid substrates such as cardboard and PVC boards, making the production process more intelligent, convenient, and efficient, helping customers gain a competitive edge and win the future in the fierce competition.

# Fully automatic process: loading, printing, and unloading



## Integrated production: The maximum suction force for loading reaches 300 kg

Equipped with intelligent system solution, the machine realizes automatic loading and unloading. The machine features a feeding speed of 20 seconds per sheet and the loading suction cups have a maximum adsorption force of 300 kg. Its simple operation saves labor costs and working time, significantly enhancing the consistency and standardization of print quality.

## Ultra-fine printing: 1200×1200 dpi for extraordinary texture

Equipped with industrial-grade printheads, it achieves a maximum printing resolution of 1200 x1200dpi. Even at high production speeds, it ensures stable and precise inkjet printing, delivering ultra-high-definition image-quality output.

## Intelligent operation: efficient printing

Intelligent positioning and automatic alignment for material loading and unloading ensure that the printing materials are neat and consistent. Automatic height measurement, automatic edge finding, intelligent layout, achieving efficient operation.

## Multi-functional machine: covering a variety of media

It can print 4 sheets of material simultaneously, processing rigid materials such as cardboard, wood, and PVC boards at high speed to meet customization needs.

## Extensive applications: Enhancing business value

Spanning various industries including advertising, packaging, home decoration ceramics, machinery electronics, toys, and gifts, it empowers clients to achieve their business goals.

# Learn more about Venus33x-s Core technology

**Flexible Production Mode:** Capable of printing four sheets simultaneously (each with a maximum width of 800mm and a minimum length of 800mm), with a maximum single sheet size of 3200mm (W) x 2000mm (L), greatly enhancing production efficiency and profitability.

**Automatic Alignment Feature:** The material feeding and receiving system is equipped with left-right and front-back alignment functions to ensure the printed materials are neatly and consistently aligned.

**Industrial-grade PLC:** Stably controls every aspect of the machine, ensuring precise operation of equipment coordination and enhancing overall productivity.

**Intelligent Loading and Unloading System:** Fully automated loading, printing, and unloading process driven by linear motors for movement and servo motors with ball screws for lifting, coupled with industrial-grade foam pads. The pallet lifting mechanism has a maximum load capacity of 2000kg and features a sheet separation mechanism to ensure fast and stable operation of loading and unloading.

**Multi-motor Centering Platform:** XY multi-motor control. the platform has a blowing function to reduce friction. During the sheet loading process, intelligent positioning is achieved, making the workflow simpler and more efficient.

**Intelligent Safety Warning System:** Voice and visual alarms, automatic reminders when the machine starts.

**Automatic Height Detection Function:** Automatically detects the thickness of the media, seamlessly switches printing modes according to the material, greatly enhancing the user experience.

**Automatic Material Edge Finding & Multi-sheet Intelligent Layout:** The automatic material edge finding function saves time, enabling fast and precise output; it can also achieve synchronized printing with multi-sheet intelligent layout, increasing machine productivity.

**Multi layer printing:** Featuring 8 freely editable layers, the image, ink volume, and parameters for each layer can be independently adjusted. Achieve multi-layer printing and one-step molding to enable diverse applications.

**Ultra-High Stability:** The combination of a 0.5μ high-precision metal grating ruler, a magnetic levitation linear motor system, and high precision guides ensures ultra-high printing accuracy even at high speeds, guaranteeing consistent and stable print output.

**Negative Pressure Platform System:** The platform features zoned vacuum control with intelligent pressure stabilization, ensuring consistent material fixation and precise printing results.

**High-Efficiency Ink Curing System:** Equipped with high efficiency UV curing system, enabling fast and effective ink solidification.

**Ink Temperature Control System:** Equipped with two-stage heating films for ink cartridges and reliable temperature control boards, this system maintains uniform ink characteristics regardless of environmental changes.

