

# HF2516

Scanning Corrugated Packaging High-Speed Printer



HF2516 JHF Scanning Corrugated Packaging High-Speed Printer achieves a perfect balance between efficiency and quality. Equipped with piezoelectric high-precision printheads, it delivers sharp and vivid color graphics with exceptional detail. With a stable high-speed output of 800 m<sup>2</sup>/h, it excels in batch printing performance on materials such as corrugated boards, ensuring efficient, high-quality production to help users create greater value.

# Scanning Corrugated Packaging High-Speed Printer

## Full-Color Ultra HD Presentation

With precision up to 1200dpi, it delivers rich colors, vibrant details, and high-quality visual impact, ensuring exceptional commercial appeal and professional-grade performance.



## Industrial-Grade Productivity

With a maximum print width of 2500mm per sheet, it breaks traditional printing limitations. In high-speed mode, it achieves a productivity of 800 m<sup>2</sup>/h, supports unrestricted continuous printing, and meets production demands for both short-run urgent orders and large-volume tasks, enabling efficient batch delivery of diversified, high-intensity orders.



## Material Compatibility

Supports direct printing on corrugated boards, honeycomb boards, yellow/white cardboard, kraft paper, and more. Covers diverse application scenarios across industries including machinery, electronics & appliances, food & beverage, gifts & toys, empowering one product, infinite variations in packaging to meet diverse market demands.



## Rapid Customization & Delivery

User-friendly operation with variable data capabilities enables on-demand customization and seamless order switching for production requirements, ensuring fast turnaround.



# Learn more about HF2516

## Core technology

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### Core Technical Advantages:

**Front-Edge Auto Feeding:** Servo pressure-free leading edge paper feeding ensures smooth supply for all corrugation types. Full-length vacuum adsorption guarantees stable and high-precision paper transport.

### Full Suction Platform:

Ensures stable material adsorption, enabling smoother and more reliable board feeding, effectively preventing corrugated board slippage and misalignment.

### One-Touch Scheduling Function:

The device automatically adjusts the paper feed height, paper feed width, head height, tailstock position, printing suction area, with alignment functionality to ensure precise material positioning.

### Fully Automatic Negative Pressure Ink

**Supply:** Prevents ink seepage and dripping, ensures precise and stable ink control, guarantees continuous uninterrupted ink supply to the printheads, and enables fast, smooth printing.

### Stepper Motor + High-Precision

**Encoder Disk:** Achieves precise positional control, enhances printing accuracy, and ensures higher production quality.

### Alignment Mechanism:

The driven roller with a crown profile and metal edges ensures precise image registration, enhances printing accuracy, and reduces waste rates.

### Water-Based Dye Ink:

Easily absorbed by materials, delivering vivid colors and distinct gradients. Non-damaging to substrates, with excellent color fastness, fine particles to prevent nozzle clogging, ensuring reliable high-speed printing.

### Precision Component Drive:

X-axis linear motor + metal grating ensures stable printhead movement; Y-axis servo motor + high-precision reducer guarantees consistent feeding step accuracy.



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## Technical Specifications

Print Width	2500mm		
Print head	Piezoelectric high-precision printhead		
Number of Printheads	16 (customizable)		
Printing mode	1Pass	300×600dpi	800m <sup>2</sup> /h
	1Pass	600×600dpi	800 m <sup>2</sup> /h
	2Pass	300×1200dpi	400 m <sup>2</sup> /h
	2Pass	600×1200dpi	400 m <sup>2</sup> /h
Ink Types	Water-based dye ink, water-based pigment ink		
Ink Colors	Standard four-color configuration		
Printable Material Sizes			
Auto-print standard size	2500×1500mm		
Auto-print max size	2500×3000mm		
Manual print	2500mm×unlimited length		
Min Feed Width/Length	400mm/350mm		
Board Thickness	1.2–15mm (customizable)		
Feeding System	Servo pressure-free leading edge paper feeding		
Ink Supply	Fully automatic negative pressure system		
Control software	JHF Printer V5.0		
Working environment	Temp.18-28°C, RH 30-70%		
Air pressure parameters	≥8kg/ cm <sup>2</sup>		
Connection interface	PCIE		
Power requirements	3 phase, 380V, 16KW		
Machine size	L 5210mm*W 3620mm*H1900mm		
Machine weight	4500KG		



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