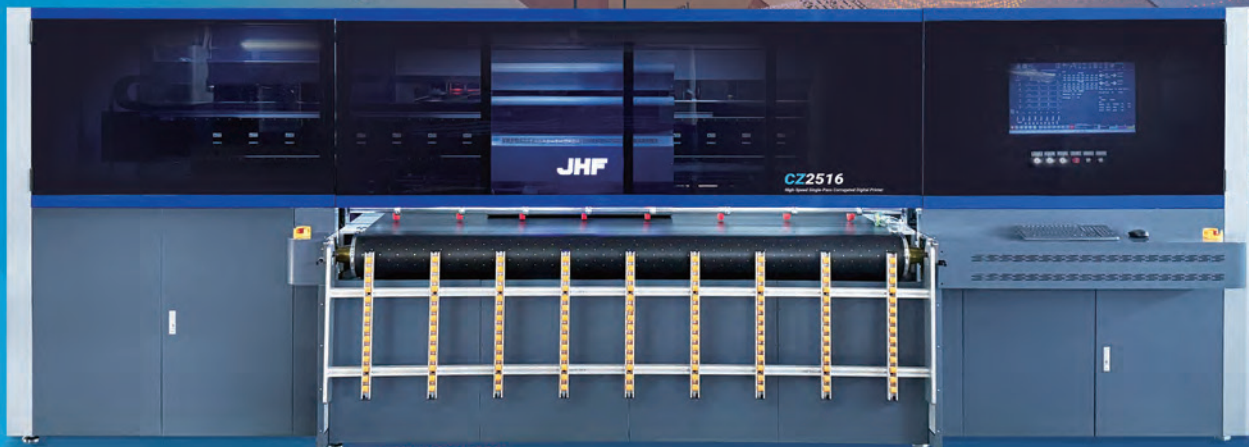


# CZ2516

## High-Speed Single-Pass Corrugated Digital Printer



The CZ2516 High-Speed Single-Pass Corrugated Digital Printer delivers an optimal balance of speed and flexibility, built for high-volume production and diverse order demands. Equipped with high-precision piezo-electric printheads, it produces vibrant colors and crisp details, ensuring consistently stable performance even during high-speed mass production. Whether handling continuous large-scale orders or frequent small-batch customizations, it handles both with ease, empowering enterprises to maintain a competitive edge in a complex and dynamic market.

# Fast Orders, Full Power, Soaring Output

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## High-Precision Printheads

Equipped with industrial-grade, high-precision piezoelectric printheads, it supports resolutions up to 600 x 600 dpi. This ensures exceptional color accuracy, perfectly rendering small text, gradients, and intricate design details.



## Stable Ink Supply

Featuring a two-stage cartridge negative pressure ink supply system, the electronic negative pressure control significantly enhances ink flow stability, delivering highly uniform colors.

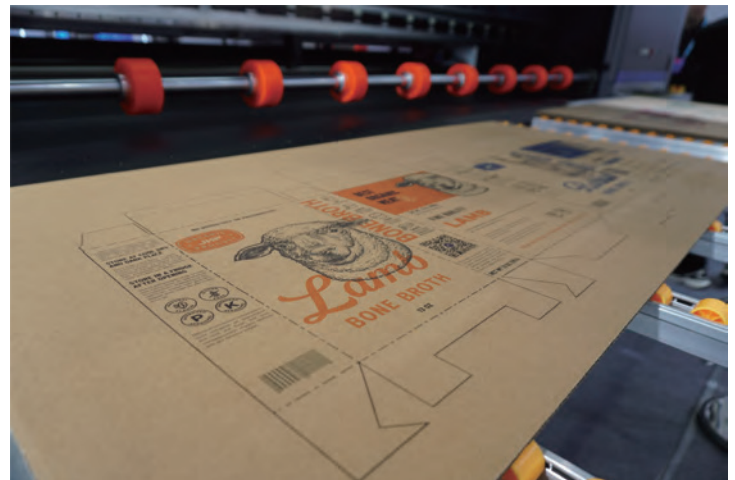


## High-Speed Printing

Reaching speeds of up to 90m/min with instant ink drying, it enables continuous high-speed production, making it ideal for fulfilling large-volume orders.

## Customizable Printing

With a maximum printing width of 1600mm and unlimited printing length, it supports variable data printing to effortlessly achieve highly customized prints.



## Versatile Applications

Compatible with a wide range of corrugated boards, including yellow/white cardboard, kraft paper, honeycomb boards, it meets diverse production needs across multiple scenarios, ultimately expanding your profit margins.

# Learn more about CZ2516

## Core technology

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**Front-Edge Auto Feeding:** Features a servo-driven, pressure-free automatic continuous front-edge feeding system. A 4-axis, 4-motor configuration guarantees printing precision, while the electric paper support stand minimizes manual intervention for highly accurate paper feeding.

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

**Precision Component Drive:** X-axis linear motor paired with metal grating ensures stable printhead movement. Y-axis servo motor combined with high-precision reducer guarantees consistent feeding step accuracy.

**Smart Ink System:** Equipped with a two-stage cartridge negative pressure ink supply system to ensure a stable supply to the printheads. The 10L large-capacity primary ink tank guarantees consistent ink flow, reducing the frequency of manual refills and streamlining production.

**Full Suction Platform:** provides powerful vacuum adsorption with print-specific air zones that flexibly adjust to the board width. This ensures the substrate lies perfectly flat, preventing warping or shifting. An industrial belt conveyor system eliminates vibrations, ensuring smooth and consistent board feeding.

**One-Touch Scheduling Function:** The machine automatically adjusts the paper feed height, paper feed width, head height, tailstock position, printing suction area based on preset parameters, with alignment functionality to ensure precise material positioning.

**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.



# CZ2516 High-Speed Single-Pass Corrugated Digital Printer

## Technical Specifications

Max Feed Width	2500mm	
Print head	Piezoelectric high-precision printhead	
Number of Printheads	48 (customizable)	
Printing mode	300x600dpi	90 m/min
	600x600dpi	50 m/min
Ink Types	Water-based dye ink, water-based pigment ink	
Ink Tank Capacity	10L / color	
Color Mode	CMYK (Automatic color matching)	
Feeding Thickness	1.2 - 15mm (Height customizable)	
Max. Print Area	1600mm width × Unlimited length	
Min. Print Area	W 400mm × L 350mm	
Applicable Materials	Various corrugated boards (yellow/white cardboard, kraft paper, honeycomb boards, etc.)	
Feeding System	servo-driven, pressure-free automatic continuous front-edge feeding system (4-axis, 4-motor) with electric paper support stand	
Transport System	Powerful vacuum adsorption with industrial belt conveyor	
Drying Speed	Instant drying on liner	
Ink Supply	two-stage cartridge negative pressure ink supply system	
Control software	JHF Printer V5.0	
Working environment	Temp.20-28 C, RH 30-70%	
Air pressure parameters	≥8kg/ cm <sup>2</sup>	
Connection interface	PCIE	
Machine size	L 5970mm × W 4177mm × H 2780mm	
Machine weight	6500kg	



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