

Technical Parameters

Model	Ultra2500W		Ultra2500W Pro
Printhead Ink			
Printhead Features	Max. Productivity: 1700 m²/hr Industrial-grade Piezoelectric Printhead		Max. Productivity: 1050 m²/hr
	4 rows, 4/6 colors mode		Standard config: 4-row 4-color(CMYK), up to 16 printheads Top config: 4-row 6-color (CMYK)+ 2 spot colors, up to 24 printheads
	Printing Width: 432 mm		
	Ink Type Water-based Ink		
Substrate Information			
Substrate Type	Coated board (coated corrugated/coated carton), brown/ White board		
Substrate Width	400 - 2500 mm (Media Width)		Media Length: 400-2500 mm (in the width direction)
	400 - 2500 mm (Standard Feeding Length)		Media Width: 400-2000 mm (in the feed direction)
	4000 mm(Max. Manual Feeding Length)		
Substrate Thickness	1.5 - 15 mm		0.3 - 15 mm
Software Functions			
Board Feed Method	Leading Edge Feeder		
Drying System	Air Drying / Hot Air Drying		
RIP Software	3rd party professional RIP control system		
Control Software	Hanway Multi Pass Inkjet Control System		
Power Air Environment			
Power Supply	Total Power: Three-phase AC 380V-400V 3P+PE, 39A, 50/60Hz, Power 19kW		Total Power: Three-phase AC 380V-400V 3P+PE, 146A, 50/60Hz, Total Power 85kW
	UPS Power: Three-phase AC 380V-400V 3P+PE, 6A, 50/60Hz, Power 3kW		UPS Power: Three-phase AC 380V-400V 3P+PE, 6A, 50/60Hz, Power 3kW
Air Pressure	Pressure: 0.6 - 0.84 MPa, flow rate ≥ 150 L/min, clean air source without oil and water		Pressure: 0.6-0.84 MPa, flow rate ≥ 900L/min, clean air source without oil and water
Environment	Relative Humidity: 45 - 65%, Ambient Temperature: 22-28°C		
Size Site Weight			
Min. Operational Site (Length towards feeding direction)	With Paper Tray (Optional): 11400*8830*2500mm (L*W*H) Without Paper Tray: 10200*8830*2500mm (L*W*H)		17670*8836*2500mm (L*W*H)
Machine Size (Length towards feeding direction)	With Paper Tray (Optional): 5400*5830*2200mm (L*W*H) Without Paper Tray: 4200*5830*2200mm (L*W*H)		13670*5836*2200mm (L*W*H)
Net Weight of Machine	7650 kg		13950 kg
Packaging Weight	9350 kg		17450 kg

More Functional Modules(Optional)

Drying Unit

- Features:
 - Hot-air drying system with high efficiency and safety
 - High production quality and suitable for various substrates especially for coated paper
 - Environmental-friendly zone control system to transmit hot air according to the format of products

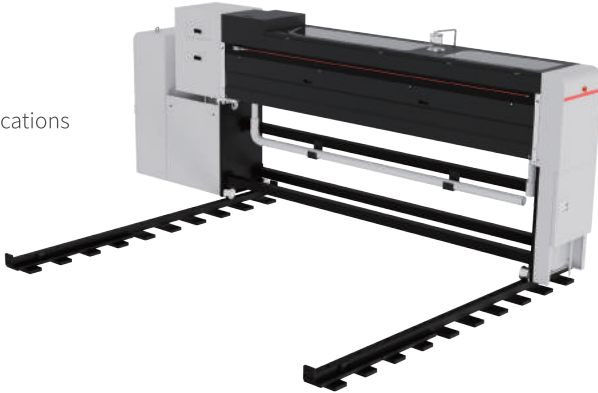
- Parameters:
 - Max. transmission speed: **60 m/min**(depends on the printer speed)
 - Max. machine power: **57 kW**
 - Machine dimension: **2200*4700*2280 mm**(take the leeding direction as length)
 - Machine weight: **1500 kg**



Varnish Unit

- Features:
 - Precise coating resolution and volume control and broad application
 - Circular and stable coating, during production
 - Integrated control interface brings quick setup of parameters and specifications

- Parameters:
 - Machine power: **6 kW**
 - Varnishing thickness range: **1.5-15 mm**
 - Machine dimension: **4730*700*1770 mm**
 - Machine weight: **3000 kg**





Independent printhead-drive technology



Self-developed control system



Self-developed MES system



Independent ink industrial chain



Original industrial machinery design



Remote service maintenance system and local services

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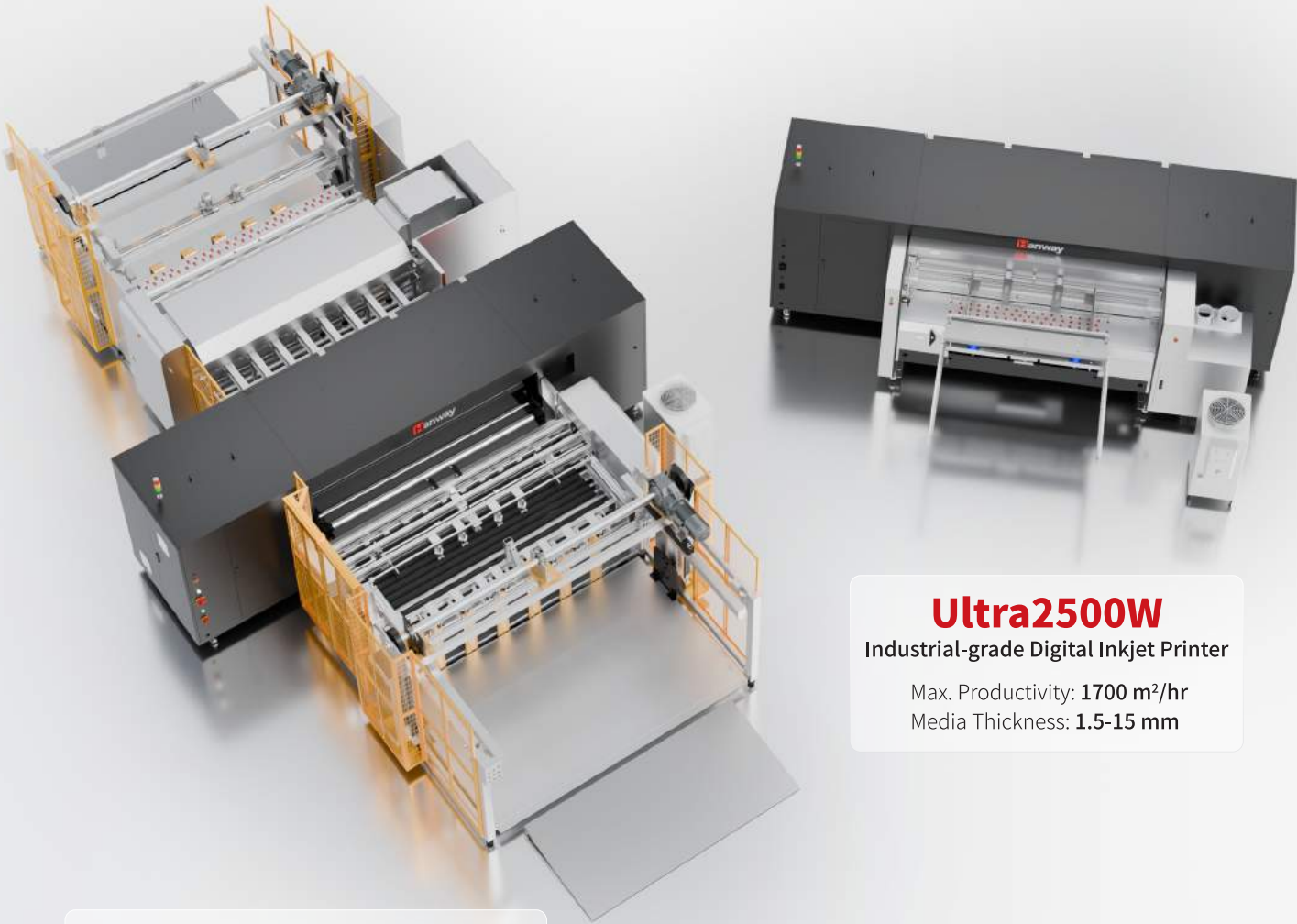
V1.0/2025



SPEED MEETS PRECISION
COLOR ELEVATES EXCELLENCE

Revolutionizing Packaging Quality

Media: **Coated board** (coated corrugated/coated carton), **brown/ White board**
Color Modes: **4/6-color mode** (optional)



Ultra2500W
Industrial-grade Digital Inkjet Printer

Max. Productivity: **1700 m²/hr**
Media Thickness: **1.5-15 mm**

Ultra2500W Pro
Industrial-Grade Modular Digital Inkjet Printer

Max. Productivity: **1050 m²/hr**
Media Thickness: **0.3-15 mm**

Ultra2500W Pro

Automatic “Load-Printing-Unload”

Ultra2500W

1700 m²/hr

Multidimensional Innovation: A Brand-New Leap in Efficiency

- Larger single-scan width, with a four-row nozzle structure achieving full coverage.

	Efficiency Performance	Speed Performance
Upgraded 4 Printheads	Max. Single Print Width: 432 mm	Coated Print: 2 Pass start-up
		Brown Print: 1-2 Pass
	Resolution of single spray printing: 600 dpi	Brown/White Simple Images: 1 Pass 2 ways

Unleash Vibrant Precision: Stay Ahead with Every Print

- The new 4-row solution, 4/6 colors are optional, Flexible Configuration
Choose from 3 rows of 4 colors, 4 rows of 4 colors, 4 rows of 6 colors, etc
- Excellen full-color images, complex gradients, fine text/graphics and Supports VDP
- Comprehensive optimization of printing effects
 - Standard collision detection
 - Standard humidifying function
 - Standard printhead cooling system
 - Optimized ink path system for improved smoothness

Technical Support

- Visual Closed-Loop Control System & Direct Drive System
 - Capable of achieving high-precision positioning and pattern alignment in complex environments:
 - Displacement error detection, ensuring stability in multi-pass printing
 - Solves misalignment and ghosting caused by traditional mechanical backlash
- Modular Design, Intelligent Features, and Easy Operation
 - Highly intelligent, supports the MES system (optional) for smart production management
 - Fully digital display, making equipment installation, debugging, operation, and maintenance simple



Ultra2500W Pro Streamlines production processes integrating automation for the entire production cycle

- The entire process seamlessly connects, with high-efficiency integration of fully automated feeder paper delivery:
 - "Load → printing → unload " achieves automated production, saving labor and increasing efficiency
 - Reduces time spent on manual transfers and downtime, as well as human errors and waste
 - Precise control of each production step ensures consistent product quality
- Fully automatic feeder feeding
 - Flexible paper feeding allows for easy handling of cardboard from thick to thin
 - Vacuum suction system for board transportation
 - Automatic control of board feeding quantity
 - The bottom of the lifting platform can be adjusted automatically based on the paperboard height

2500*2000 mm
Max. Board Size(width * paper)

400*400 mm
Min. Board Size(width * paper)

750 mm
Feeding Height(tray included)

0.3-15 mm
Material Thickness

(0.3-0.6mm, 10mm or more depending on the specific circumstances)