



HTA2500 ROBO

Mature Industrial Automation Lines | Higher Efficiency, Less Labor!

Range of Large Format Printers with high speed drop on demand piezo inkjet technology.

Main Features:

- Automatic platform positioning, supports single and double sheet positioning.
- Y-axis dual servo motor drive ensures stable and synchronized operation.
- Z-axis dual screw rod servo motor drive provides stronger load capacity and higher precision.
- Automatic sheet separation function to prevent sticking.
- Material shortage alarm function and material gripping inspection function to prevent failure to pick up sheets.
- Automatic locking function when suction nozzle detects no material, improving negative pressure utilization.



*Illustration purpose

Max. Adsorption: **20 Kg/m²**

Fastest Loading Speed: **30 s/pcs**

Max. Productivity: **312 m²/h**

Max. Resolution: **363*3600 DPI**

Max. Print Width: **2500 mm**

 *Digital Inkjet: Infinite Possibilities*

Technical Parameters:

Model	HTA2500 ROBO	
Printing Information		
Printhead	Kyocera Industrial-grade Grayscale Printhead	
Number of Printheads	2-18 pcs	
Resolution	605*1800 DPI, 363*3600 DPI	
Productivity	Draft Mode	312 m ² /h
	Production Mode	208 m ² /h
	Quality Mode	138 m ² /h
Printing speed of sheet materials	Quality Mode	60 pcs/h(standard materials)
Printing Modes	Bidirectional high speed	
Media & Ink		
Max. Print Width	2500 mm	
Max. Media Thickness	50 mm	
Media	Various sheet and roll materials, such as soft film, scraper cloth, vehicle stickers, Honeycomb board, and wooden boards.	
Ink Type	Eco-friendly UV-curable ink (VOC-free)	
Ink Colors	CMYK, Lc, Lm, W	
Features		
Curing	LED curing	
Transfer	USB	
RIP Support	Caldera / Onyx (Optional Purchase)	
Input	PDF, JPEG, TIFF, EPS, AI.....	
Dimensions & Weight		
Printer Dimensions	5535*2060*1900 mm (L*W*H)	
Package size	5840*2280*2250 mm (L*W*H)	
Net Weight	3500 KG	
Gross Weight	4000 KG	
Power & Environment		
Power Consumption	23.1 kW(47A)	
Power Supply	400VAC 50Hz 3P/N/PE	
Environmental Requirements	Independent, clean, low-dust, low-light workspace with good ventilation	
	Operating Temperature: 18°C ~ 30°C (64°F ~ 86°F)	
	Relative Humidity: 30% ~ 70% (non-condensing)	
Others	Requires ADP / Computer	

Industrial Digital Inkjet Comprehensive Solution Provider



Independent
printhead-drive
technology



Self-developed
control system



Self-developed
MES system



Independent ink
industrial chain



Remote service
maintenance system
and local services

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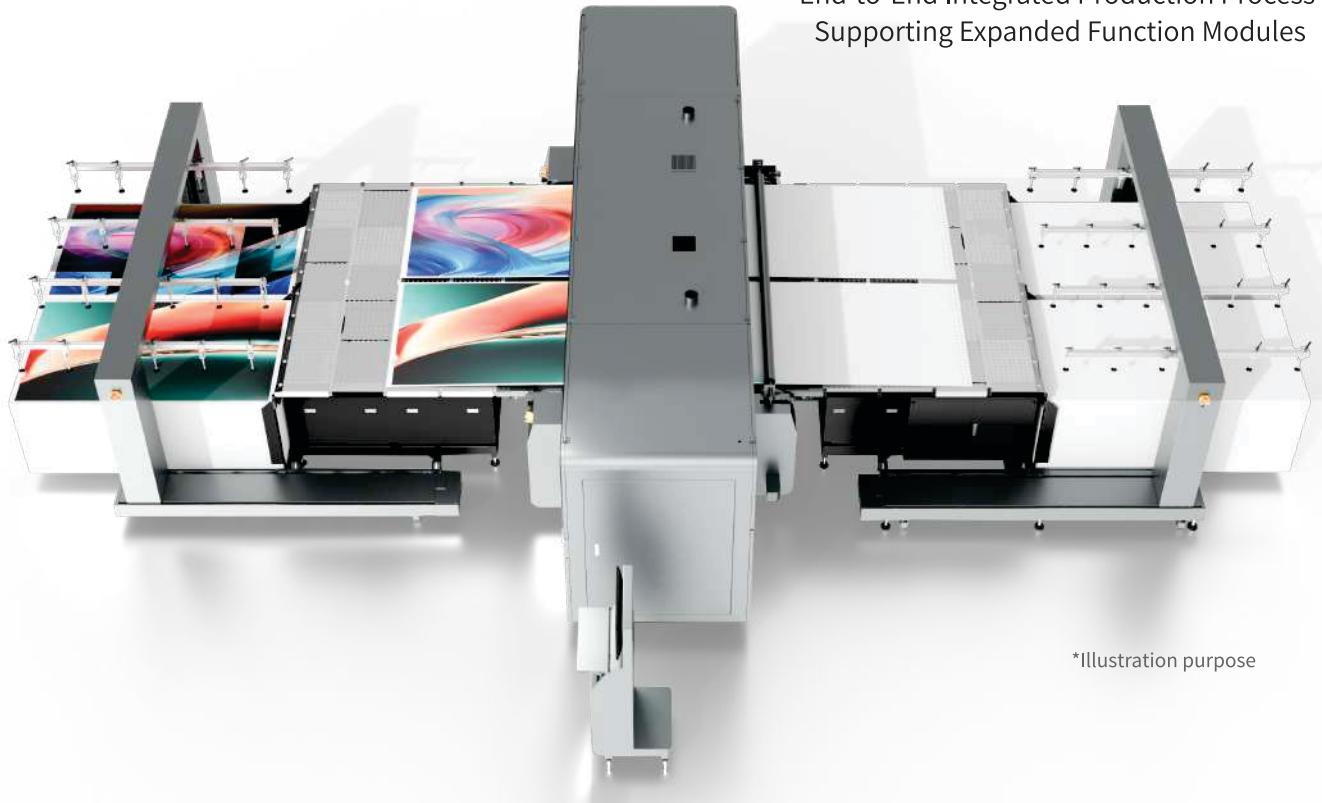


HTA2500 ROBO

Pioneering Fully Automatic Loading and Unloading Design for Reduced Labor and Simplified Workflow

- Realizes an integrated automated production process of loading + printing + unloading.
- Supports automatic loading and unloading devices (optional configuration).
- Supports manual loading, equipped with a foot pedal for easier and more convenient operation.
- Range of Large Format Printers with high speed drop on demand piezo inkjet technology.

End-to-End Integrated Production Process
Supporting Expanded Function Modules



*Illustration purpose

Outstanding Hardware and Software Performance

- 01** Independent vacuum-controlled adsorption platform enhances the adsorption force for media of different sizes.
- 02** Full rectangular steel welded frame and guide rail beam ensure overall stability.
- 03** PU conveyor belt for stronger load capacity and enhanced durability.
- 04** Single-channel independent ink supply system to reduce maintenance costs.
- 05** White ink circulation system prevents white ink sedimentation.
- 06** Collision prevention and resume printing function ensures high product yield.
- 07** Integrated control interface centralizes production parameter settings for ease and efficiency.



HTA2500

The Next-Generation UV Hybrid Printer

- 01** Supports printing on standard roll materials while also supporting sheet printing, such as honeycomb panels and hollow boards.
- 02** Supports compatibility with HandTop's automatic loading & unloading solution, reducing labor and simplifying workflows.
- 03** Multiple application solutions with customizable printhead configurations, compatible with various printhead arrangement options:
 1. Standard and symmetrical multi-color combination modes available.
 2. Over ten white ink solutions including color-white, white-color, color-white-color, embossed texture printing, and more.



312 m²/h

Proprietary Kyocera-Driven Printing Technology
Max. Productivity: 312 m²/h

65 pcs/h

Max. Productivity: 65 pcs/h
(standard sheet printing, high-precision mode)

363*3600 DPI

Multi-Grade Grayscale Printing
Max. Resolution: 363*3600 DPI



Model	HTA2500								
Productivity	<table border="1"><tr><td>Draft Mode</td><td>312 m²/h</td></tr><tr><td>Production Mode</td><td>208 m²/h</td></tr><tr><td>Quality Mode</td><td>138 m²/h</td></tr><tr><td>Quality Mode</td><td>60 pcs/h (standard materials)</td></tr></table>	Draft Mode	312 m ² /h	Production Mode	208 m ² /h	Quality Mode	138 m ² /h	Quality Mode	60 pcs/h (standard materials)
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Production Mode	208 m ² /h								
Quality Mode	138 m ² /h								
Quality Mode	60 pcs/h (standard materials)								
Printing speed of sheet materials	2500 mm, Supports single sheets and double sheets.								
Max. Print Width	30 mm (Based on weight)								
Max. Media Thickness	20 Kg/m ²								
Max adsorption	KT board, PVC board, acrylic, etc.								
Media	30 s/pcs								
Fastest material feeding speed	stepper vacuum suction system								
Material loading and unloading method	≥0.5 MPa, 600 L/min								
Air source	4200*3500*1700 mm (L*W*H)								
Printer Dimensions	3000*2280*1800 mm (L*W*H), 3000*2280*1400 mm (L*W*H)								
Printer size	1200 KG								
Net Weight	1500 KG								
Gross Weight	2 kW(9A)								
Power Consumption	220VAC 50Hz 1P/N/PE								
Power Supply	Independent, clean, low-dust, low-light workspace with good ventilation								
Environmental Requirements	Operating Temperature: 18°C ~ 30°C (64°F ~ 86°F) Relative Humidity: 30% ~ 70% (non-condensing)								
Others	Requires ADP / Computer								