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 m²/h
	Production Mode	208 m²/h
	Quality Mode	138 m²/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	
Software & Functions		
Curing	LED curing	
Transfer	High-speed PCIE	
RIP	Caldera	
Input	PDF, JPEG, TIFF, EPS, AI……	
Dimensions & Weight		
Machine 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℃ ~ 30℃ (64°F ~ 86°F)	
	Relative Humidity: 30% ~ 70% (non-condensing)	

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

Mons Medius Solutions
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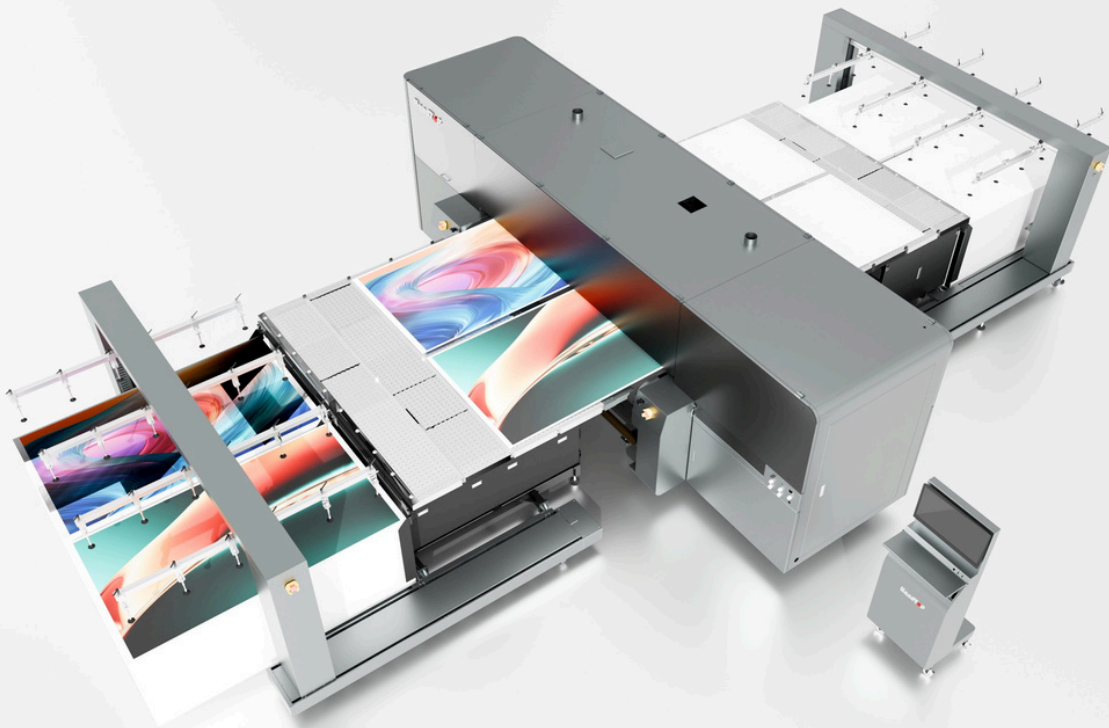
www.mons-medius.com

MONS MEDIUS

HANGLORY | HandToP

HTA2500 ROBO

Mature Industrial Automation Lines | Higher Efficiency, Less Labor!

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.

Max. Adsorption: **20 Kg/m²**

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

Max. Productivity: **312 m²/h**

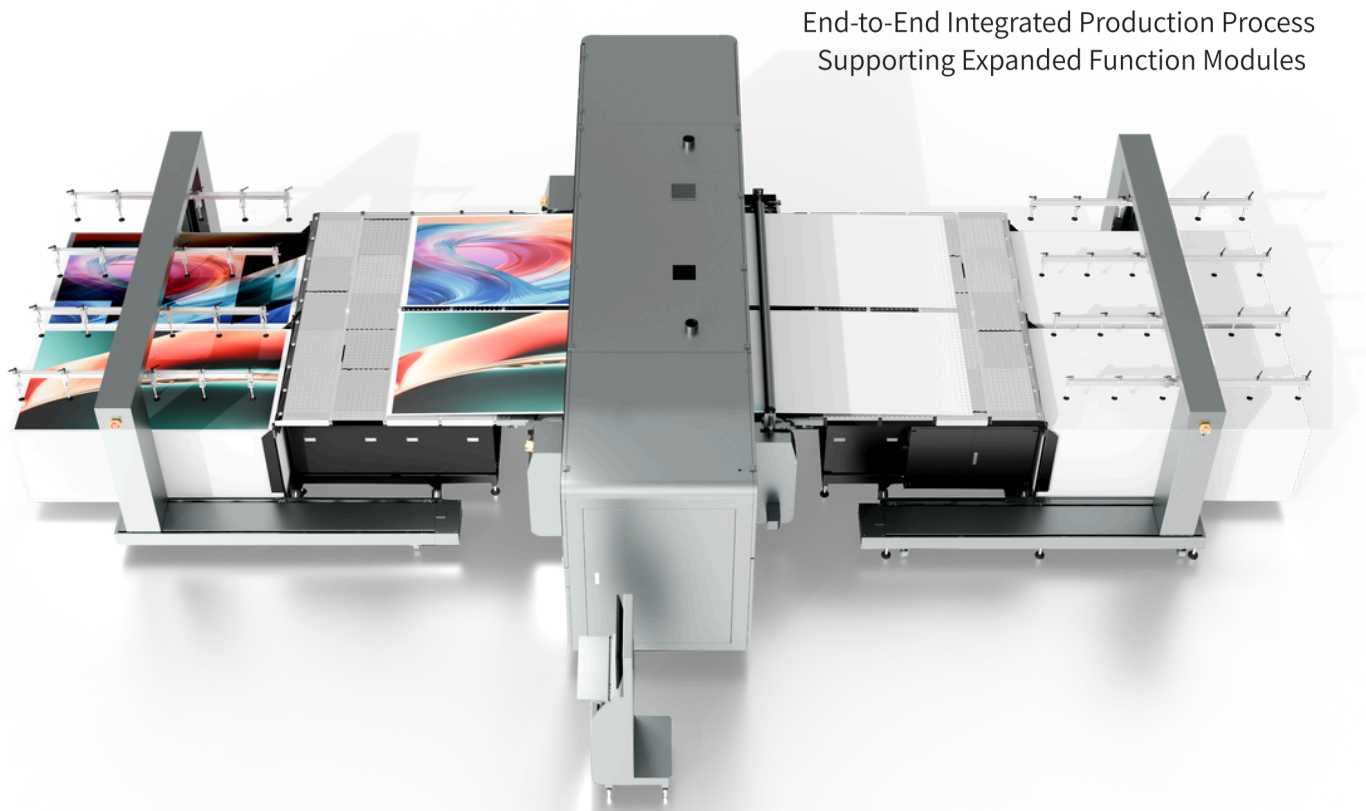Max. Resolution: **363*3600 DPI**

Max. Print Width：**2500 mm**

∞ Digital Inkjet: Infinite Possibilities

HTA2500 ROBO

Pioneering Fully Automatic Loading and Unloading Design for Reduced Labor and Simplified Workflow
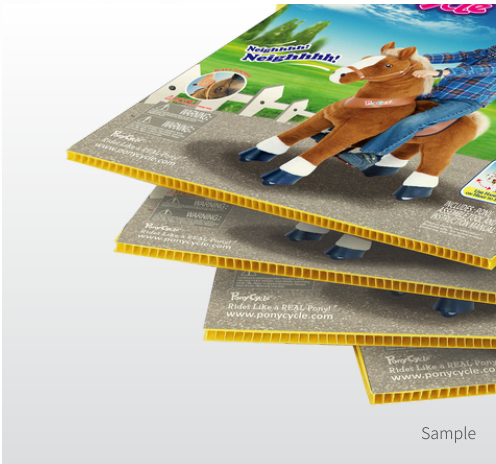
- Realizes an integrated automated production process of loading + printing + unloading.
- Supports automatic loading and unloading devices (optional configuration).
- Supports manual loading, equipped with a foot pedal for easier and more convenient operation.

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

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.

Sample

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.

Sample

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
	Draft Mode	312 m²/h
Productivity	Production Mode	208 m²/h
	Quality Mode	138 m²/h
Printing speed of sheet materials	Quality Mode	60 pcs/h(standard materials)
Max. Print Width		2500 mm，Supports single sheets and double sheets.
Max. Media Thickness		30 mm (Based on weight)
Max adsorption		20 Kg/m²
Media		KT board, PVC board, acrylic, etc.
Fastest material feeding speed		30 s/pcs
Material loading and unloading method		stepper vacuum suction system
Air source		≥0.5 MPa, 600 L/min
Machine Dimensions		4200*3500*1700 mm (L*W*H)
Package size		3000*2280*1800 mm (L*W*H)，3000*2280*1400 mm (L*W*H)
Net Weight		1200 KG
Gross Weight		1500 KG
Power Consumption		2 kW(9A)
Power Supply		220VAC 50Hz 1P/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)