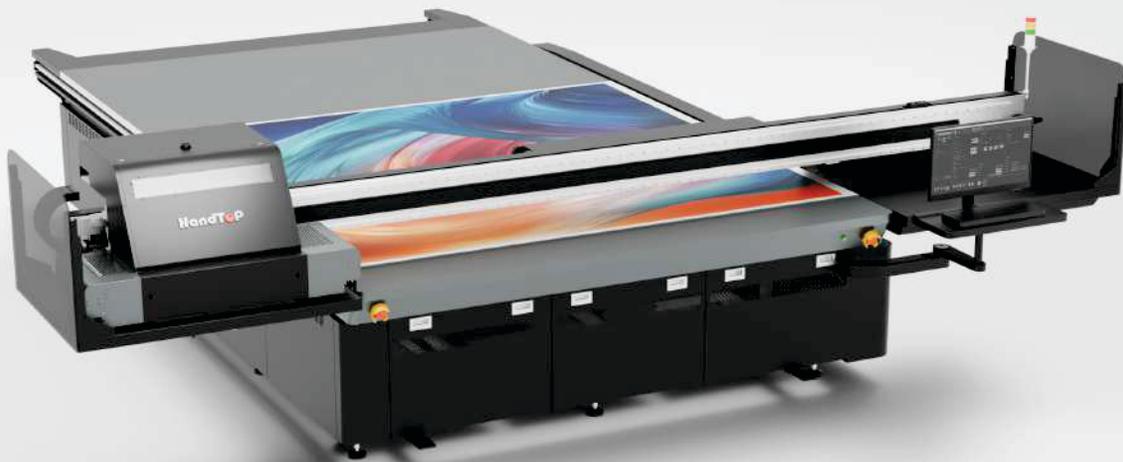# HT2540UV

Transforming Digital UV Wide-Format Flatbed Inkjet Printing │ Ultra Wide UV Flatbed Inkjet Printer
Range of Large Format Printers with high speed drop on demand piezo inkjet technology.

Key Technological Advancements:
Revolutionary circular printing technology
with automatic job processing

Supported Printing Solutions:
Color-White-Color Glossy Coating、Color-White-Color Print
Embossing Effect、Full-Color Print、Diverse Glossy Coating Solutions, etc.

*Illustration purpose

Max. Productivity: **141 m²/h**

Printhead : **GEN6 (4-row)**

Color : **4-10 Colors**

Max. Print Width: **2.5*4.0 m**

Digital Inkjet: Infinite Possibilities

Technical Parameters:

Model	HT2540UV					
Printing Information						
Printhead	GEN6					
Number of Printheads	4-16 pcs (4-Row)					
Pass	4 Pass	6 Pass	8 Pass	9 Pass	12 Pass	16 Pass
Productivity(2.5*4.0m full width)	141 m²/h	95.5 m²/h	71 m²/h	63 m²/h	46.7 m²/h	35.3 m²/h
Printing Modes	Bidirectional high speed					
Media & Ink						
Max. Print Width	2.5*4.0 m (W*L)					
Max. Media Thickness	100 mm					
Media	Background wall decoration, steel plates, soundproof cotton, waterproof fabrics, water entertainment equipment, and other large-format media.					
Ink Type	Environmentally friendly UV-curable ink (VOC-free)					
Ink Color	CMYK + White + Spot colors (up to 10 colors supported)					
Features						
Curing	LED Curing (adjustable power)					
Transfer	USB					
RIP Support	Caldera / Onyx (Optional Purchase)					
Input	PDF, JPEG, TIFF, EPS, AI……					
Dimensions & Weight						
Printer Dimensions	5420*5026*1580 mm (L*W*H)					
Net Weight	3000 KG					
Power & Environment						
Power Consumption	12.5kW (57A)					
Power Supply	220V					
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

Industrial-grade PLC control module

Independent ink industrial chain

Remote service maintenance system and local services

Shenzhen HandTop Tech Co., Ltd.

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V1.0/2025

HT2540UV
Ultra Wide UV Flatbed Inkjet Printing Solution

Innovative Continuous Printing Technology

Automatic continuous printing without downtime, enabling efficient switching between different orders. No need to stop the machine when changing substrates, making production more flexible and efficient.

● Max. Print Width: 2.5*4.0 m (W*L)

· Breakthrough 4m ultra-wide printing capability,perfectly compatible with large-format printing and multi-color printing.
· Efficient large-format prints in a single pass, eliminating the need for image segmentation and splicing, significantly improving printing efficiency.
· Wide application range including advertising feature walls, home décor, custom wall features, architectural decoration, and more.

● Productivity Up to 141 m²/h, Supporting 4-10 Colors

· Advanced Technologies: Industrial-grade PLC control module, new Ricoh printhead design, and innovative circulation printing technology for superior performance.
· High-Quality Printing: Supports up to 10 colors, with 4-16 Pass output and minimum ink drop size of 5pl, delivering finer, more vivid print results.
· Outstanding Color Consistency, Ensures stable color reproduction across different batches within the same order, unlocking a significant advantage in color uniformity.

● Flexible and Powerful Multi-Solution

· **Printing Solutions:** Embossed texture painting, color-white-color with gloss varnish, color-white-color, full color, color-white, white-color, partial gloss varnish, white-color with gloss varnish, etc.
· **Printhead Solution:** New four-row printhead solution, supports multiple printing modes.
· **Color Solution:** CMYK + W + spot color flexible combinations as needed.
· **White Ink Solution:** More than ten white ink solutions to increase efficiency and meet requirements.

*Illustration purpose

● Technical Support

· **Intelligent Order Management System:** Supports queue printing with unlimited order loading without downtime.
· **Variable Data Printing:** Efficiently handles dynamic barcode/image/data printing.
· **Remote Fault Diagnosis and Maintenance:** Efficient technical support & after-sales service response.

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

● Outstanding Performance

Automatic Negative Pressure System	Automatic Height Measurement System	Adjustable UV Curing Power	Sensitive Carriage Anti-collision Device
Adjustable Suction Area	Optional Anti-Static Bar	Integrated Software Functions (Require ADP/ Computer)	High Quality Imported Original Parts

Sample
Sample
Sample

*Automated production robotic arms (optional)
The robotic arm pictures are for promotional illustration only.
The actual product's appearance follows the concluded contract.

● Comprehensive Efficiency Enhancement

· **Industrial-grade PLC Control Module:** Stronger functionality expansion, faster response time, and supports automation equipment integration.
· **New Ricoh Control Head Board:** Faster and more stable transmission speed, compatible with more printheads.
· **Three-Zone Independent Printing:** Independent control for each zone, supporting different tasks to be performed simultaneously.
· **Standard 6-Pedal Area Control:** More efficient continuous printing, significantly improving work efficiency.

● Flexible Production Management

· Supports queue printing of multiple specifications of panels, automatically adapts to different sizes of panels.
· Supports larger widths, 4-meter large-format panel printing in one go, with higher efficiency.

● New Software Architecture

· Provides a rich set of functional applications, operates more smoothly, and offers stronger compatibility.

Rendering