UV-H2513

Large Format Flatbed Printer

*Precision Driven. **Reliable Output.***

Features

#Large Format Printing:
With a printing area of 2500 × 1300mm, it meets the demands of large-format printing applications.

#Four-Zone Vacuum Control System:
Four-zone vacuum control securely holds the media in place, improving printing accuracy and stability.

#Magnetic Levitation Linear Motor:
Equipped with a magnetic levitation linear motor drive system, delivering high-speed, precise and vibration-free operation for stable industrial UV printing performance.

#One-stop UV Printing Solution:
Providing dedicated inks, RIP profiles, and color management to ensure stable output, precise colors, and superior print quality.

#Automatic Height Detection System:
Automatically detects media thickness and adjusts printing height, enabling flexible handling of different substrates while improving operation efficiency and printing safety.

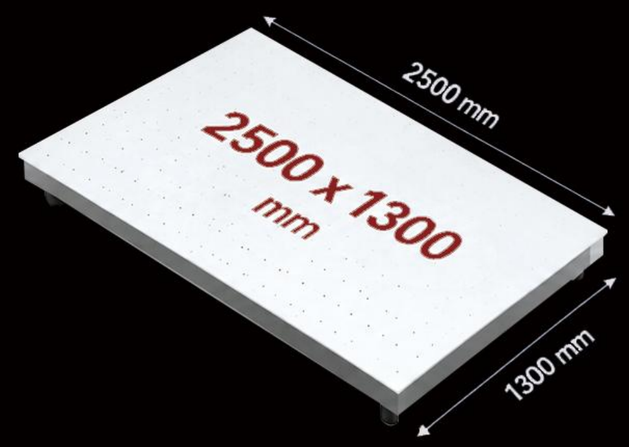
#High-Quality Output:
Equipped with up to 8 Ricoh G6 industrial printheads, delivering high-speed, high-precision printing performance for large-volume production and premium image quality.

#Negative Pressure Ink Supply System:
Precisely controls ink pressure to ensure stable ink delivery, reduce printhead failures, and improve print consistency and long-term equipment reliability.

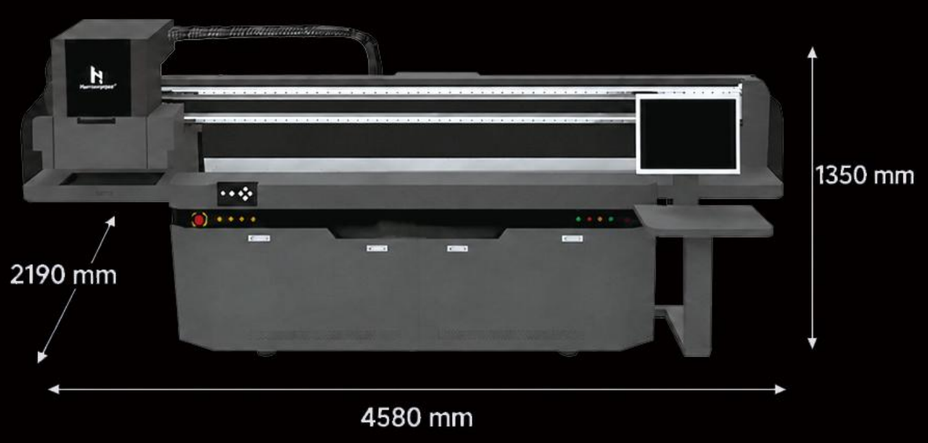
Designed for the increasing demands of efficiency, precision, and stability in industrial UV printing, Hanrun UV-H2513 delivers a reliable digital printing solution for advertising, manufacturing, customization, and premium applications.

Featuring a high-rigidity structure, precision engineering, and a magnetic levitation linear motor system, the UV-H2513 provides fast, smooth, and accurate operation. Supporting up to 8 Ricoh G6 industrial printheads, combined with an intelligent lifting carriage and automatic height detection, it enables flexible printing on various materials with different thicknesses.

Equipped with a negative pressure ink supply system and multi-zone vacuum platform, the printer ensures stable ink delivery and precise material positioning. Hanrun also offers high-performance UV hard inks with excellent adhesion, vivid colors, and outstanding weather resistance, together with professional RIP software and color management solutions for optimized print quality.



PRINTING SIZE

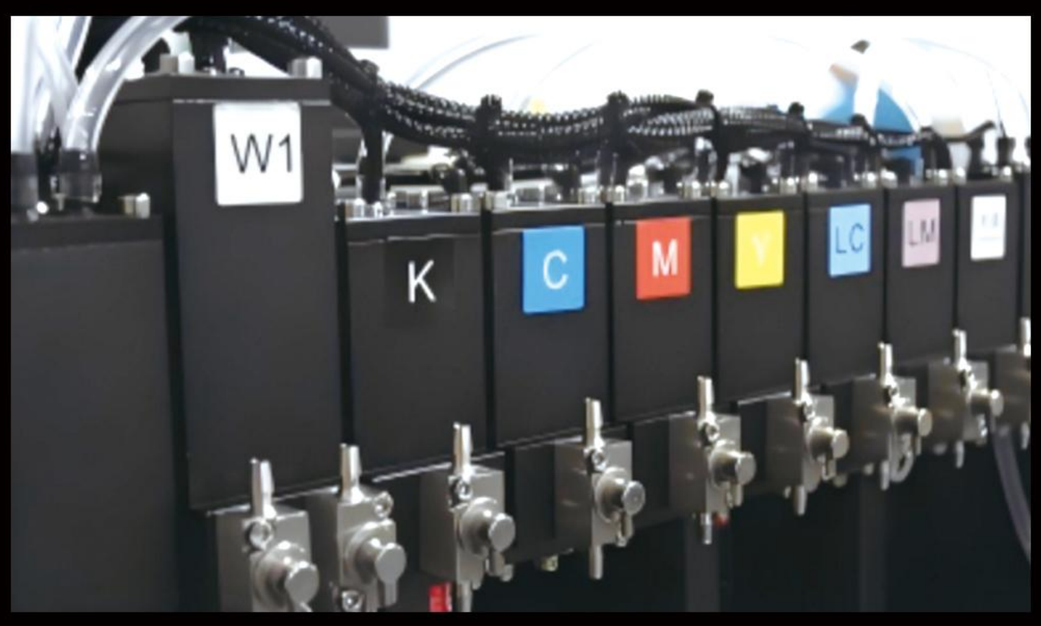


MACHINE DIMENSIONS

UV-H2513 provides a complete UV printing solution integrating printer, ink, and RIP technology, helping global customers achieve higher productivity and superior print performance.

Resolution	*8 Color Printing*	*4 Color + 4 White*	*4 Color + 2 White +2 Varnish*
*4pass (720*600)*	*68 m^2/h*	*34 m^2/h*	*34 m^2/h*
*6pass (720*900)*	*48 m^2/h*	*24 m^2/h*	*24 m^2/h*
*8pass (720*1200)*	*36 m^2/h*	*18 m^2/h*	*18 m^2/h*

DETAILS

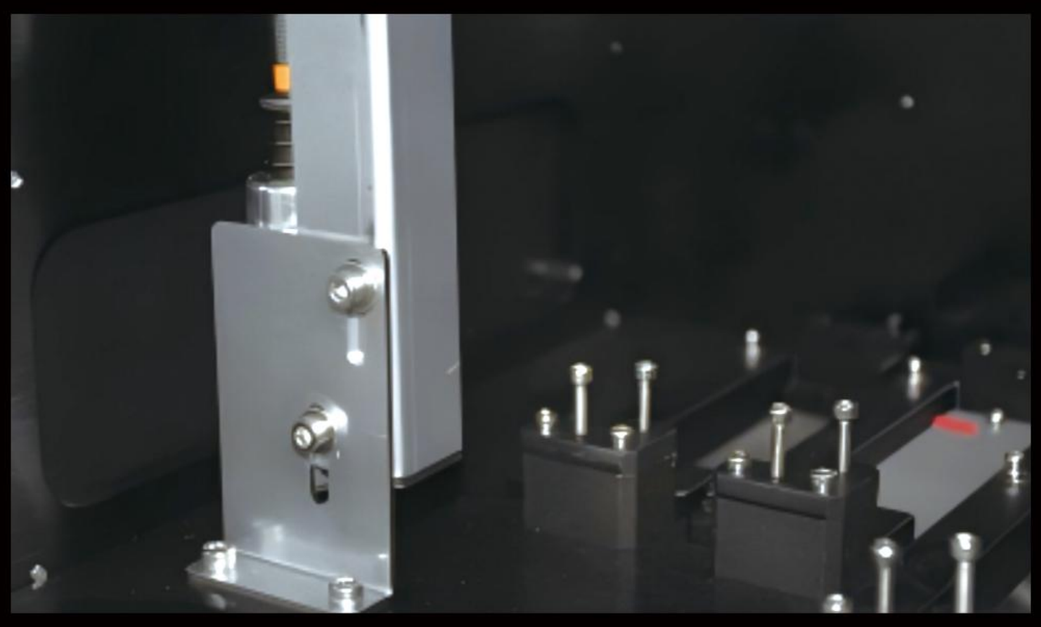


1 Dual Negative Pressure Ink Supply System

The dual negative pressure ink supply system independently and precisely controls ink pressure, ensuring more accurate and continuous ink delivery while improving printing stability, color consistency, and printhead lifespan.

2 Four-Zone Vacuum Control System

The four-zone vacuum control system flexibly adjusts suction areas according to different substrates, ensuring stable media fixation while improving printing positioning accuracy and production efficiency.



Automatic Height Detection System

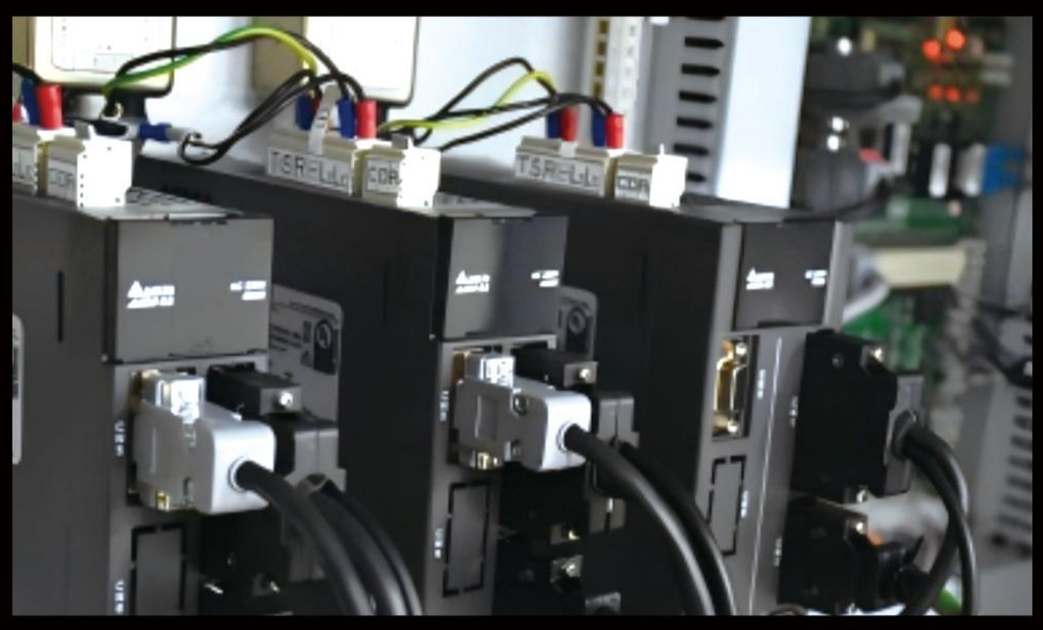
The automatic height detection system intelligently detects substrate height and automatically adjusts the print distance, enabling compatibility with different media thicknesses while improving operation efficiency and printing safety.

Magnetic Levitation Linear Motor

The magnetic levitation linear motor delivers high-speed, precise, and contactless motion control, reducing mechanical wear and vibration while improving printing accuracy, operational stability, and equipment lifespan.

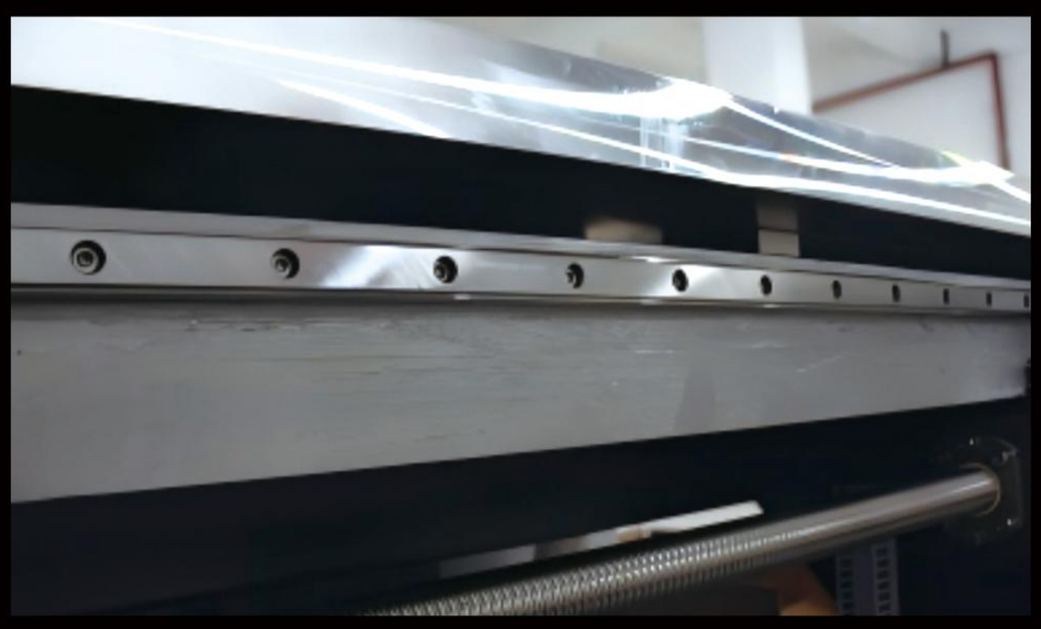
Carriage Anti-Collision & Resume Printing Function

The carriage anti-collision and resume printing function effectively prevents damage caused by collisions and supports print recovery after interruption, reducing material waste while ensuring continuous production and equipment safety.



High-Quality Servo Motors

Powered by three sets of branded servo motors, the printer achieves precise and stable motion control, improving positioning accuracy, operational smoothness, and long-term reliability.



High-Precision Motion Control

Featuring THK dual linear guides and Hiwin dual ball screw drive system, the printer delivers high rigidity, precision, and stable motion performance, ensuring smooth carriage movement and long-term positioning accuracy.

One-stop UV Solution

Dedicated inks, RIP profiles, and color management for stable output and superior print quality.

UV-H2513 Large Format Flatbed Printer Specification

Model	UV-H2513	
Printhead	8 PCS Ricoh G6 Print Heads	
Printing Size	2500*1300(mm) 98.4"*51.2"	
Media	Type	Acrylic, glass, wood, metal, PVC, packaging materials, and various rigid substrates.
	Thickness	0-150mm
Ink	Type	UV Ink
Speed	4pass (720*600): 68㎡/h 6pass (720*900): 48㎡/h 8pass (720*1200): 36㎡/h	
Printing Resolution	1200dpi	
Rip software	ColorGATE/PrintFactory	
Curing System	UV LED water cooling curing system	
Optional Features	Maximum Printing Height up to 55cm,Vision Positioning, Plasma Static Eliminator	
Power	5kW	
Power Supply	AC 220V±10%, 50/60HZ	
Machine Size/Net Weight	4580*2190*1350mm/1200kg 180.3"*86.2"*53.1"	
Packing size/Gross Weight	4800*2280*1700mm/1550kg 189"*89.8"*66.9"	

APPLICATION