

OR-3200H (RicohG5x16)

3D texture high speed wall fabric maglev hybrid printer



1mm Texture effect: **10** sqm/h, freely switch between matte oil and hot golden oil

Support wall covering and printing hot stamping with different specifications of materials in a 3.2-meter format



3D Printing texture hot stamping process

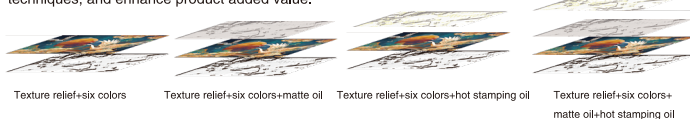
- Third layer
Hot gold oil layer
- The second floor
Color layer
- first floor
Texture white ink layer



Texture relief painting hot stamping process is applied to the three-dimensional texture effect of the image to enhance the decorative effect and texture. The texture relief painting after hot stamping will have a significant improvement in both tactile and visual effects on the hot stamping area, presenting a strong metallic luster and bright and eye-catching colors in the graphics and text. This technique is widely used in various fields such as decorative paintings, packaging, book covers, etc., which can increase the decorative and grade of products.

Multi layer printing layering technology for one-time molding of multiple texture schemes

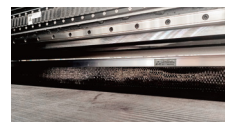
The combination of white ink texture, UV full-color, matte oil, and hot stamping oil can achieve a 3D texture relief cultural and artistic product hot stamping effect, all of which can be printed and formed in one go through OR-3200H. Meet the application needs of more customers for texture relief solutions, reflect new printing techniques, and enhance product added value.



Using UV printing technology, UV ink is sprayed onto the substrate through a head, and then the ink is instantly cured using ultraviolet light. During the printing process, uneven relief effects can be created by controlling the thickness of specific white ink. Colorful ink is overlaid on top of white ink, presenting a rich color and three-dimensional image.

- Support printing with different precision and thickness
- Suitable for multiple materials
- Personalized customization
- Colorful and long-lasting
- Widely applicable in various fields

Equipped with nine industrial grade Ricoh G5 print heads, advanced board control technology, and 7–35pl variable ink droplets, the industrial grade design ensures the durability of the print heads. Intelligent inkjet printing technology and variable ink droplets ensure high-quality printing output and greatly improve printing speed, meeting users' requirements for printing quality and speed.



Electrostatic brush
Eliminate static electricity, improve printing quality, and eliminate fire hazards.



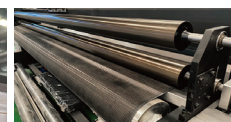
Anti-collision device
The two-way anti-collision device is adopted to ensure that the printer stops when it encounters surface objects at high-speed operation, and effectively ensure the service life of the print head.



THK high-precision silent dual rail
Effectively reduce the noise of the working environment and improve the printing accuracy and stability of the car.



High-quality magnetic grating
Fast speed, high accuracy and strong stability.



Double guide cloth roller for material collection



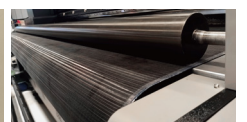
Pre-inflation shaft feeding device
Heavy material storage and retrieval, making material printing and rolling smoother



Industrial grade Ricoh G5 head
High precision, high-speed, dark color effect texture printing



Intelligent ink display alarm unit
Large ink bucket, automatic ink shortage alarm and digital display, timely reminder to add ink.



High-strength conveyor belt device
Special high-strength low-stretch guide belt, no deviation, no deformation, long service life



The 3D texture relief solution is widely used in multiple fields, including but not limited to exhibition halls, advertising cultural background walls, decorative paintings, art replication. Stainless steel ornaments, soft and hard package murals, relief texture paintings, lighting screens, fabric sofas, semi transparent roller blinds, wall cloth paintings, surface textures of book and gift packaging boxes, etc

OR-3200H **TECHNICAL PARAMETER**

Model	OR-3200H	
Print head	RicohG5 x 16	
Colour	W / CMYK / Lc / Lm / V1 / V2	
Printing speed	1mm—Ordinary eclosion	10 sqm/h
Print mode	Piezoelectric inkjet printing	
Medium	Width	3250 mm
	Thickness	1 mm
	Weight	200 kg
Print width	3200 mm	
Ink cartridge	Type	UV INK
	Capacity	Continuous supply system (1.5L / 3L ink tank)
Curing unit	UV cured water-cooled UV LED lamp	
Printing accuracy	1200 dpi	
Voltage	AC 220V ± 10%, 50/60 HZ, 5500W	
Software	Rinprint UV	
Machine size	5720x1840x1590 mm	
Machine weight	1800 kg	
Packaging size	5950x1930x1940 mm	
Packaging weight	1950 kg	
Environment	Power on mode	Temperature: 15°C – 32°C / Humidity: 35 – 80% (No condensation)
	Close mode	Temperature: 5°C – 40°C / Humidity: 20 – 80% (No condensation)
Accessories	Data cable, user manual, waste ink cartridges, ink cartridges, RIP software, etc	

