FORNI

HB3300 Hybrid UV Machine

Model	HB3300	
Printhead Type	Ricoh Gen5/Gen6/Konica1024i	T3200
Head Control	Variable Ink Droplet	
Head Number	20 pcs optional	3/4 pcs optional
Head Cleaning	Manual Positive and Negative Pressure Cleaning	
Printing Size (W*D)	≤3200mm	
Printing Technology	Piezoelectric inkjet, variable dot printing density	
Printing Resolution	600dpi, 900dpi, 1200dpi, 1800dpi, 2400dpi	
Ink	Type	LED UV Ink
	Color	CMYK / Lc / Lm / FY / FM / FG / FO / W / V
	Capacity	2.5L
Media	Type	Car Stick, Flex etc.
	Printing Width	
	Thickness	1-50mm
Printing Speed	Production Mode	
	Quality Mode	
	High Quality Mode	
Color Control	ICC standard,ajudtment of ICC and density	
RIP Software	Photoprint (ONYX optional)	
Interface	USB 3.0	
Power Consumption	Printing mode: 5000W	
Package Dimension	5317(W) x 3360(D) x 1572(H)mm	
Weight	G.W.: 2000kg N.W.:1300kg	
Environment	Temperature:18℃-29℃ Humidity: 50%-80% (no condensation)	

FEATURES

Anti-Ink-Splatter Exhaust System
New front carriage fan design, combined with the exhaust system, effectively reduces contamination caused by ink splashes during printing.

Front and Rear Air Shaft Feed & Take-up System
More convenient media loading and unloading structure that supports materials of various thicknesses and specifications.
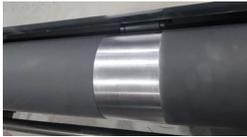
Linear Motor
Significantly increases printing speed, reduces production noise, and improves the working environment.

Waste Ink Suction System
Equipped with a waste ink suction system combined with a flashing ink collection system, it ensures timely handling of waste ink, effectively reduces environmental impact, and enhances the overall operational efficiency of the equipment.

Front Pressure Roller
A newly added front pressure roller helps prevent deformation of the rubber roller during long-term operation, enhancing printing stability.

Independent White Ink Pump
Each white ink pump is independently designed to ensure stable ink supply, prevent interference between ink channels, and enhance printing detail and quality.

Metal Encoder Strip
High-precision metal encoder strip enables accurate control of the print carriage movement for improved positioning accuracy.

Backlit LED Light
Allows pre-checking of backlit graphic print effects, helping ensure accurate color reproduction and more vivid, true-to-life image output.

Added Spreader Roller
The added spreader roller ensures more even tension during the printing process, effectively preventing material wrinkling.
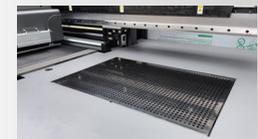
Waste Ink Tank with LED Light
The newly designed waste ink tank is equipped with an LED light, making it easier for operators to monitor the waste ink level in real time.

Dual Negative Pressure System
An automatically adjusted, independent white ink negative pressure system that prevents issues like ink droplet instability caused by shared pressure, ensuring smoother and more consistent white ink printing.

Idle-Time Flushing and Waste Ink Suction Slot
The added spreader roller ensures more even tension during the printing process, effectively preventing material wrinkling.

Application solution

Technical Characteristics

✓ Electromagnetic levitation printing technology, high precision linear motor.

✓ High stability metal encoderstrip.

✓ Adjustable head height, movable printing platform

result in high-efficiency printing jobs.

✓ Cold light LED curing with tiny temperature variation ensures high printing quality.

✓ Air-shaft take up system makes more stable paper collecting

✓ Stable printing technology and ink supply system reduces maintenance cost.

	8 x G6 (44)	9 x G6 (414)		10 x G6 (442)
	CMYK	CMYK	CMYK+W+CMYK	CMYK+W
2PASS	65 sqm/h			
3PASS	45 sqm/h	3PASS 80 sqm/h	60 sqm/h	3PASS 80 sqm/h
4PASS		4PASS 55 sqm/h	40 sqm/h	4PASS 55 sqm/h
6PASS	32 sqm/h	6PASS 42 sqm/h	30 sqm/h	6PASS 42 sqm/h

Konica 1024i	CMYKLcLm(2)	CMYKLcLm(3)	CMYKLcLm+W+CMYKLcLm(3)
4PASS - PRODUCTION MODE:	70 sqm/h	115 sqm/h	25 sqm/h
6PASS - QUALITY MODE:	55 sqm/h	80 sqm/h	20 sqm/h
8PASS - HIGH QUALITY MODE:	30 sqm/h	62 sqm/h	12 sqm/h