

GD-R600UV

Assembly Line Style AI Visual UV Printer

grando



Grando UV Ink



*Print Speed (Four I1600 U1 Printheads)

Printing Speed

1.23-7m²/h

Digital Application Solution



Wide applications: flat, phone case, metal, acrylic, plastic, PVC, glass, ceramics, wood, leather, etc.

Six Core Advantages

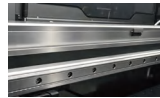
- **AI visual positioning and precise recognition:** The AI intelligent visual positioning system uses multiple high-definition cameras to scan and accurately recognize the contour and texture of printed materials. The scanning automatic positioning accuracy error is within 0.1mm, and the operation is convenient and fast.
- **Support simultaneous printing of 4 colors+white+gloss+coating:** Using 4 high-precision and durable imported print heads, supporting direct coating to enhance adhesion, uniform spraying, time-saving and labor-saving, with a maximum accuracy of 1800dpi, high color reproduction, and can achieve relief gloss, matte and other effects to meet customers' different printing needs.
- **High quality material selection with strong stability:** The all steel integrated structural design has strong stability and is not easily deformed. High strength industrial belt, platform accuracy less than 5 threads, equipped with suction function, stable material printing and conveying.
- **Carefully designed with unlimited materials:** The lifting ink station design accurately controls the position of the head and provides multi-directional protection for the nozzle. Easy operation and maintenance, just one click to clean and maintain the nozzle. Printing materials are not restricted, such as metal, glass, acrylic, plastic, wood, etc., to meet the needs of various industries.
- **Assembly line style Scan and print simultaneously:** No typesetting is required, materials can be placed, and pipeline scanning and printing can save time and labor costs. At the same time, there is a wide variety of compatible products, eliminating the need for customized fixtures and saving additional investment costs.
- **Technology and practicality integration:** With user needs as the core, the intelligent ink supply system integrates industrial design and intelligent technology: ink shortage warning, convenient filling, and long-term filtering are integrated into one, achieving "ink shortage prediction, ink addition minimalism, and continuous printing" to return production printing to the essence of efficiency.

Configuration Parameter



Touch screen operation, simple and efficient

The GD-R600UV assembly line AI vision UV printer is equipped with a full touch screen, which can be easily operated to complete high-quality printing tasks.



THK high-precision silent guide rail

Effectively reduce work environment noise and improve the printing accuracy of the carriage.



High precision vacuum adsorption platform

High strength industrial belt, platform accuracy less than 5 threads, equipped with suction function, stable material printing and conveying.



Assemblable visual recognition system

Equipped with high-definition camera scanning, it can accurately capture material contours and texture details; Deeply integrated visual software system, greatly simplifying the operation process; Printing images automatically and accurately aligns, ensuring consistent output accuracy from the source.

Technical Specifications

Model		GD-R600UV
Print Head		I1600U1 x 4
Print Size		600mm(W)
Visual Printing Positioning Accuracy		0.1mm
Camera Recognition Height		0-8mm
Recognition System		Carriage Head Scanning Visual Scheme
Printing Method		Scan-and-print cyclic step mode
Printing Thickness		0-90mm
Printing Resolution		720x1200dpi / 720x1800dpi
Ink Cartridges	Supply Method Color	Color Siphon + White Ink Timed Stirring CMYK+W+V+OP
Printing Speed		1.23-7m ² /h
Rip Software		RIIN, ONXY etc.
Interface		Gigabit Ethernet
Ink Curing Method		Water cooled LED UV control system
Power Supply		110V-220V
Machine Size		1860(L)x1780(W)x1460(H)mm
Packaging Size		2200(L)x2000(W)x1720(H)mm

Environment	Power on	Temperature: 15℃ to 32℃ (59℉ to 90℉) (Suggest 20℃ [68℉] or higher) Humidity: Relative humidity 35% - 80% (no condensation)
	Power off	Temperature: 5℃ to 40℃ (41℉ to 104℉) Humidity: Relative humidity 20% - 80% (no condensation)



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