

Technical specifications

Model		HT1610UV		HT2512UV		HT3116UV		HT3020UV		
Printhead		RicohG5	RicohG6	RicohG5	RicohG6	RicohG5	RicohG6	RicohG5	RicohG6	
Quantity of printhead		2-4pcs (Single row)	2-4pcs (Single row)	4-8pcs (Double rows)	4-8pcs (Double rows)	4-8pcs (Double rows)	4-8pcs (Double rows)	4-8pcs (Double rows)	4-8pcs (Double rows)	
Resolution										
1200 * 1200 DPI										
Print speed	Draft	20 m²/h	27 m²/h	42 m²/h	60 m²/h	50 m²/h	68 m²/h	54 m²/h	70 m²/h	
	Production	13 m²/h	20 m²/h	30 m²/h	45 m²/h	36 m²/h	46 m²/h	38 m²/h	46 m²/h	
	Quality	10 m²/h	15 m²/h	21 m²/h	32 m²/h	23 m²/h	36 m²/h	27 m²/h	37 m²/h	
Print mode										
Unidirectional & Bidirectional										
Max print width			1.6 m * 1.0 m		2.5 m * 1.2 m		3.1 m * 1.6 m		3.0 m * 2.0 m	
Max media thickness			100 mm							
Media type			Phone cases, glass, acrylic, planks, tiles, metal plates, PVC boards, corrugated boards, plastics, marble, wallpaper, light box fabrics, PC, ABS, 3C etc.							
Ink			Environmental friendly UV/LED curable ink(VOC free)							
Ink color			C, M, Y, K, Lc, Lm, W (varnish is optional when there is no Lc and Lm)		C, M, Y, K, Lc, Lm, W, V					
Image format										
Adobe Postscript Level3, PDF, JPEG, TIFF, EPS, AI										
Machine size(L*W*H)			3.44 m * 2.21 m * 1.28 m		4.67 m * 2.51 m * 1.38 m		5.22 m * 2.71 m * 1.38 m		5.22 m * 3.24 m * 1.38 m	
Machine net weight			570 KG		1150 KG		1450 KG		1520 KG	
Machine gross weight			990 KG		1745 KG		2160 KG		2330 KG	
Power consumption			5.3 kW (27 A)		8.3 kW (20 A)					
Power supply			230 VAC.50 HZ L/N/PE		400 VAC.50 Hz 3P/N/PE					
Certification										
CE, FCC										
RIP support										
Caldera										
UV curing										
Water-cooled UV_LED Lamp										
Interface										
High Speed PCIE										
Environment										
Seperated workroom in good cleaning and ventilated condition, avoid direct sunlight Temperature: 18 - 30 °C (64 - 86 °F) Constant Humidity: 30 - 70%										

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# UV Flatbed Printer

## Industrial-grade High-precision Printhead Series

Create value for customers; be a world-leading manufacturer of smart digital printing equipment.

- Diversified product configuration and application solution can match the different demand in advertising, signs, exquisite gifts, phone cases, furniture, building materials, decoration and other industries.
- Reliable stability combines the outstanding printing quality and speed performance.
- Top-level R&D team ensures prompt optimization and upgrade for new products and keep advanced technology in digital printing field.
- Strong worldwide after-sales service team quickly shoots your problem.
- High cost-value product brings you more business.

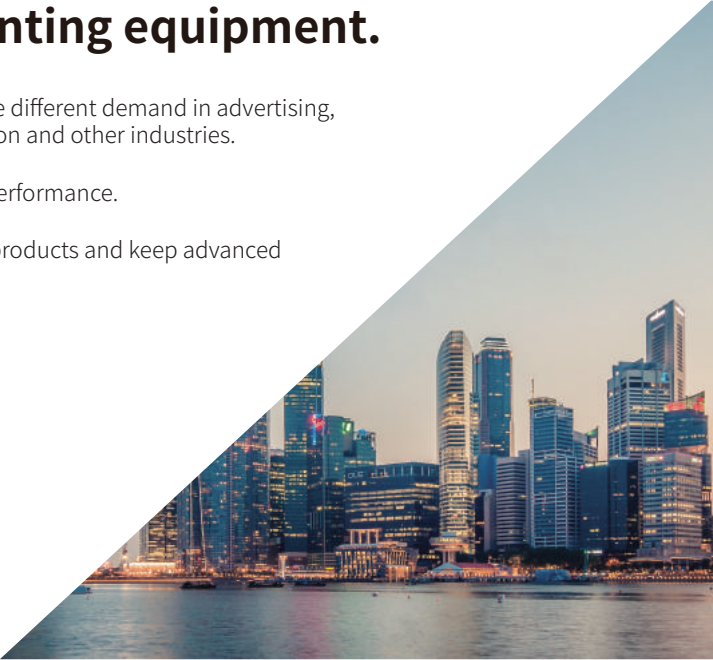


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HT3116UV/HT3020UV/HT2512UV/HT1610UV UV Flatbed Printer

HT3116UV

Print size: 3.1\*1.6m

HT3020UV

Print size: 3.05\*2.05m

HT2512UV

Print size: 2.5\*1.22m

HT1610UV

Print size: 1.6\*1.0m



carriage head

- 7 **Integrated Software Functions**  
Allow users to adjust all functions in the software, and print on one side of rip to improve efficiency.
- 8 **High Quality Original Imported Accessories**  
Accessories are purchased from top global suppliers such as Japan, Germany and Italy.
- 9 **Top Printing Speed: Up to 70m<sup>2</sup>/h(HT3020 RicohG6 Double-row)**  
Engineered for high-quality printing and outputs up to 70m<sup>2</sup>/h with full-blood capacity.

- 1 **Automatic Negative Pressure System**  
Using PCB board to control negative pressure, setting the negative pressure data from software.
- 2 **RicohG5 Printhead**  
Featuring variable dots, true grayscale imaging 7, 14, and 21pl.  
**RicohG6 Printhead**  
Featuring variable dots, true grayscale imaging 5, 10, and 15pl.
- 3 **Water -cooled UV\_LED Lamp**  
Instant curing of UV ink for fast production. Flexible to be controlled during printing.
- 4 **Auto Height Detection System**  
Automatically detects the height of media up to 100mm thickness and calibrates print head distance for variable dot placement and image quality.
- 5 **Controllable Suction Area**  
Adjusted according to the actual situation, and supports two-way adjustment of suction and blowing.
- 6 **Static Suppression(optional)**  
Optional static suppression kit that eliminates static on the substrate.



RIP Software



Noiseless, powerful suction platform

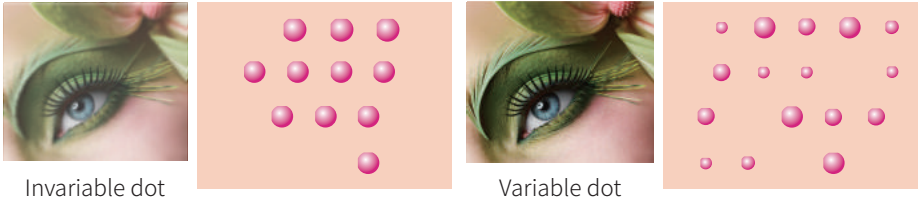
Ricoh Gen5 Printhead

Nozzle Quantity : 1280  
Physical Resolution : 600 DPI  
Pico-litter : Variable 7-14-21 pl  
Max Operating Frequency : 30 kHz  
Effective Print Width : 54.1 mm



Ricoh Gen6 Printhead

Nozzle Quantity : 1280  
Physical Resolution : 600 DPI  
Pico-litter : Variable 5-10-15 pl  
Max Operating Frequency : 50 kHz  
Effective Print Width : 54.1 mm



Invariable dot

Variable dot

Grayscale Inkjet Technology

Grayscale printing not only saves the cost of ink but also makes the image more delicate, the color brighter. Thus it improves the performance of the pictures and makes them more impressive.