## 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*1200dpi | | | | | | | |
| Print speed — Draft | 20m²/h | 27m²/h | 42m²/h | 60m²/h | 50m²/h | 68m²/h | 54m²/h | 70m²/h |
| Print speed — Production | 13m²/h | 20m²/h | 30m²/h | 45m²/h | 36m²/h | 46m²/h | 38m²/h | 46m²/h |
| Print speed — Quality | 10m²/h | 15m²/h | 21m²/h | 32m²/h | 23m²/h | 36m²/h | 27m²/h | 37m²/h |
| Print mode | Unidirectional & Bidirectional | | | | | | | |
| Max print width | 1.6m*1.0m | | 2.5m*1.2m | | 3.0m*1.5m | | 3.0m*2.0m | |
| Max media thickness | 100mm | | | | | | | |
| 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) | 3.44m*2.21m*1.28m | | 4.67m*2.51m*1.38m | | 5.22m*2.71m*1.38m | | 5.22m*3.24m*1.38m | |
| Machine net weight | 570KG | | 1150KG | | 1450KG | | 1520KG | |
| Machine gross weight | 990KG | | 1745KG | | 2160KG | | 2330KG | |
| Power consumption | 5.3KW(27A) | | 8.3KW(20A) | | | | | |
| Power supply | 230VAC.50HZ L/N/PE | | 400VAC.50Hz 3P/N/PE | | | | | |
| Certification | CE, FCC | | | | | | | |
| RIP support | Caldera | | | | | | | |
| UV curing | Mercury vapor UV lamps, LED(optional) | | | | | | | |
| Interface | High Speed PCIE | | | | | | | |
| Environment | Seperated workroom in good cleaning and ventilated condition, avoid direct sunlight Temperature: 18°C-30°C (64°F -86°F) Constant Humidity: 30%- 70% | | | | | | | |

# 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.

## 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

**8 Integrated Software Functions**
Allow users to adjust all functions in the software, and print on one side of rip to improve efficiency.

**9 High Quality Original Imported Accessories**
Accessories are purchased from top global suppliers such as Japan, Germany and Italy.

**10 Top Printing Speed: Up to 70m²/hr(HT3020 RicohG5 Double-row)**
Engineered for high-quality printing and outputs up to 70m²/hr 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 UV-curing Lamps/LED(optional)**
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 Emergency Stop Switches**
Stop operation from any corner when the printer is in emergency.

**6 Controllable Suction Area**
Adjusted according to the actual situation, and supports two-way adjustment of suction and blowing.

**7 Static Suppression(optional)**
Optional static suppression kit that eliminates static on the substrate.




RIP Software


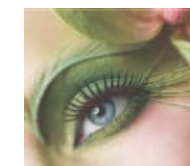Noiseless, powerful suction platform

### Ricoh Gen5 Printhead

Nozzle Quantity : 1280

Physical Resolution : 600dpi

Pico-litter : Variable 7-14-21pl

Max Operating Frequency : 30kHz

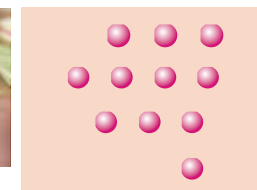Effective Print Width : 54.1mm



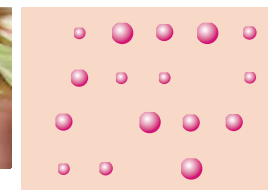### Ricoh Gen6 Printhead

Nozzle Quantity : 1280

Physical Resolution : 600dpi

Pico-litter : Variable 5-10-15pl

Max Operating Frequency : 50kHz

Effective Print Width : 54.1mm




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.