

Specifications

| Model                  | HT1610UV   | HT2512UV               |                        | HT3020UV               |                        | HT3116UV               |                        |          |
|------------------------|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------|
| Printhead              | Ricoh Gen5   | Ricoh Gen5             | Kyocera KJ4A           | Ricoh Gen5             | Kyocera KJ4A           | Ricoh Gen5             | Kyocera KJ4A           |          |
| Quantity of printheads | 2-4 pcs ( Single row)  | 4-8 pcs ( Double rows) | 4-8 pcs ( Double rows) | 4-8 pcs ( Double rows) | 4-8 pcs ( Double rows) | 4-8 pcs ( Double rows) | 4-8 pcs ( Double rows) |          |
| Resolution             | 1200*1200dpi   |                        |                        |                        |                        |                        |                        |          |
| Print speed            | Draft  | 20 m²/hr               | 44 m²/hr               | 59 m²/hr               | 54 m²/hr               | 91 m²/hr               | 54 m²/hr               | 90 m²/hr |
|                        | Production   | 13 m²/hr               | 32 m²/hr               | 47 m²/hr               | 36 m²/hr               | 61 m²/hr               | 36 m²/hr               | 66 m²/hr |
|                        | Quality  | 10 m²/hr               | 25 m²/hr               | 34 m²/hr               | 27 m²/hr               | 49 m²/hr               | 27 m²/hr               | 55 m²/hr |
| Print mode             | Unidirectional and bidirectional   |                        |                        |                        |                        |                        |                        |          |
| Max print area         | 1.6m x 1.0m  | 2.5m x 1.22m           |                        | 3.05m x 2.05m          |                        | 3.05m x 1.5m           |                        |          |
| Max media thickness    | 100mm  |                        |                        |                        |                        |                        |                        |          |
| Media type             | Rigid and flexible flat materials  |                        |                        |                        |                        |                        |                        |          |
| Ink                    | Environmental friendly LED/UV curable ink (VOC free)   |                        |                        |                        |                        |                        |                        |          |
| Ink colour             | C、M、Y、K、Lc、Lm、W<br>( varnish is optional when there is no Lc and Lm)   | C、M、Y、K、Lc、Lm、W、V      |                        |                        |                        |                        |                        |          |
| Image format           | Adobe PostscriptLevel3、PDF、JPEG、TIFF、EPS、AI  |                        |                        |                        |                        |                        |                        |          |
| Machine size(L*W*H)    | 3.44m x 2.21m x 1.28m  | 4.67m x 2.51m x 1.38m  |                        | 5.22m x 3.24m x 1.38m  |                        | 5.22m x 2.71m x 1.38m  |                        |          |
| Machine net weight     | 570KG  | 1150KG                 |                        | 1520KG                 |                        | 1450KG                 |                        |          |
| Machine gross weight   | 990KG  | 1745KG                 |                        | 2330KG                 |                        | 2160KG                 |                        |          |
| 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            | Onyx, Caldera  |                        |                        |                        |                        |                        |                        |          |
| UV Curing              | LED (standard) Mercury vapour UV lamps (optional)  |                        |                        |                        |                        |                        |                        |          |
| Interface              | High Speed PCIE  |                        |                        |                        |                        |                        |                        |          |
| Environment            | Clean and ventilated work area, avoiding direct sunlight<br>Temperature: 18°C –30°C(64°F-86°F)<br>Constant Humidity: 30%-70% |                        |                        |                        |                        |                        |                        |          |



Contact us to book a visit to our Demo Hub in Northamptonshire  
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HandTop - the highest resolution UV LED printer you will ever need

Our choice of printhead platform offers the highest levels of quality to help you build your business in multiple sectors



Flatbed Printer HT3116UV/HT3020UV/HT2512UV/HT1610UV

TOPClass TOPPerformance TOPQuality

# Flatbed Printer

HT3116UV/HT3020UV/HT2512UV/HT1610UV

HT3116UV Flatbed 3.1\*1.6m media area HT3020UV Flatbed 3.05\*2.05m media area

HT2512UV Flatbed 2.5\*1.22m media area HT1610UV Flatbed 1.6\*1.0m media area

**1 Automatic negative pressure system**

Using PCB board to control and set the negative pressure data from the software.

**2 Ricoh Gen5 print heads (each head has 2 ink channels)**

Featuring variable dots, true grayscale imaging 7, 14, and 21pl.

or

**Kyocera print heads (each head has 2 ink channels)**

Featuring variable dots, true grayscale imaging 4, 6, and 10pl.

**3 UV-curing LED (Mercury lamps are optional)**

Instant on/off of lamps during printing for fast production.  
Variable output power control.

**4 Auto height detection system**

Automatically detects height of media up to 100mm thickness  
and sets print head distance from media automatically.

**5 Emergency stop switches**

Operation from any corner of the printer.

**6 Power on/off for vacuum**

Push button for operating vacuum table.

**7 Mechanical pin registration system**

Pin registration for accurate and consistent rigid media placement.

**8 Reversible vacuum valve**

Reverse the air from vacuum to blow for easier heavy media loading and unloading.

**9 Reversible printing function & repeat printing mode**

Both reversible and repeat printing mode enables a higher efficiency in production.

**10 Top printing speed: Up to 91 m<sup>2</sup> / hr (HT3020)**

Engineered for high-quality printing and outputs up to 91m<sup>2</sup>/hr with full bleed capacity. (HT3020 Kyocera with double rows)

**11 Static suppression (optional)**

Standard static suppression kit that helps to eliminate static on the substrate.

**12 On board control module**

PC, monitor, keyboard, mouse and HandTop software for printer control functions.



Handtop developed, customised driver and PCB board



State of the art control system

## Kyocera KJ4A printhead

Nozzle quantity: 2656

Physical resolution: 2\*300dpi

Ink drop size: variable 4-6-10pl

Max operating frequency: 30Khz

Effective print width: 112.35mm



## Ricoh Gen5 printhead

Nozzle quantity: 1280

Physical resolution: 600dpi

Ink drop size: variable 7-14-21pl

Max operating frequency: 30Khz

Effective print width: 54.1mm

