



NEW GENERATION FLATBED PRINTERS

MORE POSSIBILITIES



HandTop™ UV PRINTERS

- Automatic negative pressure system**
Using PCB board to control negative pressure, setting the negative pressure data from software.
- Ricoh Gen5 Print Heads(one head with 2 colors)**
Featuring variable dots, true grayscale imaging 7, 14, and 21pl.
Kyocera Print Heads(one head with 2 colors)
Featuring variable dots, true grayscale imaging 4, 6, and 10pl at true native 300 dpi.
- UV-curing Lamps/LED(optional)**
Instant curing of UV ink for fast production. Flexible to be controlled during printing.
- Auto Height Detection System**
Automatically detects height of media up to 100mm thickness and calibrates print head distance for variable dot placement.
- Emergency Stop Switches**
Stop operation from any corner when the printer is in emergency.
- Power vacuum & Lamp Switch**
Switches for vacuum table and lamps.
- Mechanical Pin Registration System**
Pin registration for accurate and consistent rigid media placement.
- Reversible Vacuum Valve**
Reverse the air vacuum for easier rigid media loading and unloading.
- Reversible printing function & Repeat printing mode**
Both reversible and repeat printing mode enables a higher efficiency in production.
- Top Printing Speed:Up to 91m²/hr (HT3020)**
Engineered for high-quality printing and outputs up to 91m²/hr with full bleed capacity.(HT3020 kyocera with double rows)
- Static suppression(optional)**
Optional static suppression kit that eliminates static on the substrate.
- On Board Control Module**
Rich functions, self-developed software, independent control module, efficient and convenient.

Kyocera KJ4A Printhead

Nozzle quality : 2656
Physical Resolution : 2*300dpi
Pico-litter : Variable 4-6-10pl
Max Operating Frequency : 30Khz
Effective Print Width : 112.35mm



Ricoh Gen5 Printhead

Nozzle quality : 1280
Physical Resolution : 600dpi
Pico-litter : Variable 7-14-21pl
Max Operating Frequency : 30Khz
Effective Print Width : 54.1mm



SPECIFICATIONS

Model	HT1610UV		HT2512UV				HT3020UV			HT3116UV			
Printhead	Ricoh Gen5	Kyocera KJ4A	Ricoh Gen5	Kyocera KJ4A		Ricoh Gen5	Kyocera KJ4A		Ricoh Gen5	Kyocera KJ4A			
Quantity of printheads	2-4 pcs (Single row)	2-4 pcs (Single row)	3-8 pcs (Single row)	3-4 pcs (Single row)	4-8 pcs (Double row)	10 pcs (symmetric array)	4-8 pcs (Double row)	4-8 pcs (Double row)	10 pcs (symmetric array)	4-8 pcs (Double row)	4-8 pcs (Double row)	10pcs (symmetric array)	
Resolution	1200*1200dpi												
Print speed	Draft	20 m ² /h	36 m ² /h	42 m ² /h	48 m ² /h	68 m ² /h	100 m ² /h	54 m ² /h	95 m ² /h	140 m ² /h	50 m ² /h	90 m ² /h	130 m ² /h
	Production	13 m ² /h	27 m ² /h	30 m ² /h	33 m ² /h	53 m ² /h	78 m ² /h	38 m ² /h	70 m ² /h	95 m ² /h	36 m ² /h	66 m ² /h	90 m ² /h
	Quality	9 m ² /h	20 m ² /h	21 m ² /h	23 m ² /h	40 m ² /h	56 m ² /h	27 m ² /h	53 m ² /h	73 m ² /h	25 m ² /h	51 m ² /h	70 m ² /h
Print mode	UNIDIRECTIONAL & BIDIRECTIONAL												
Max width	* 1.6m		2.5m * 1.22m				3.05m * 2.05m			3.05m * 1.5m			
Max media thickness	100mm												
Media type	Rigid and flexible flat materials												
Ink	Environmental friendly UV curable ink(VOC free)												
Ink color	C / M / Y / K / Lc / Lm / W (VARNISH IS OPTIONAL WHEN THERE IS NO Lc & Lm)		C / M / Y / K / Lc / Lm / W										
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 * 3.24m * 1.38m			5.22m * 2.71m * 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 (RICOH GEN5 SEEGET RIP OPTIONAL)												
UV Curing	MERCURY VAPOR UV LAMPS, LED(OPTIONAL)												
Interface	High Speed PCIE												
Environment	Separated workroom in good cleaning and ventilated condition, avoid direct sunlight Temperature: 18°C - 30°C(64°F-86°F) Constant Humidity: 30%-70%												



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