

NEW GENERATION HYBRID 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 the height of media up to 50mm thickness and calibrates print head distance for variable dot placement and image quality.
- The tension adjust device(only for HT3200)**
The tension adjust device for the roller added, this device will help to prevent the feeding wrinkle.
- Retractable Alignment Bar**
Retractable alignment bar allows accurate and consistent media placement.

- Top Printing Speed: Up to 110 m² / h r (HT3200)**
Engineered for high-quality printing and outputs up to 110m²/hr with full-blood capacity.(HT3200 kyocera with double rows)
- Static suppression(optional)**
Optional static suppression kit that eliminates static on the substrate.
- Emergency Stop Switches**
Stop operation from any corner when the printer is in emergency.
- On Board Control Module**
Rich functions, self-developed software, independent control module, efficient and convenient.
- Auto Belt Correction System(HT2500,HT3200)**
Auto belt correction system will detect the moving of belt, if the shifting is detected, the system will automatically adjust the moving of belt to the right way.

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	HT1600UV		HT2500UV		HT3200UV			
Printhead	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)	4-8 pcs (Double rows)	3-4 pcs (Single row)	4-8 pcs (Double rows)	4-8 pcs (Double rows)	10 pcs (symmetric array)	
Resolution	1200 x 1200dpi							
PRINT SPEEDS	Draft	22m ² /hr	36m ² /hr	48m ² /hr	55m ² /hr	55m ² /hr	100m ² /hr	155m ² /hr
	Production	14m ² /hr	27m ² /hr	33m ² /hr	38m ² /hr	40m ² /hr	75m ² /hr	116m ² /hr
	Quality	10m ² /hr	20m ² /hr	23m ² /hr	26m ² /hr	32m ² /hr	53m ² /hr	86m ² /hr
Print mode:	Unidirectional & Bidirectional							
Max width	1.6m		2.5m		3.2m			
Max media thickness	50mm							
Media type	Rigid and flexible flat materials							
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					
Image format	Adobe Postscript Level3 PDF JPEG TIFF EPS AI							
Machine size(L*W*H)	4.15*1.19*1.33M		5.4 9*1.15*1.38M		6.19*1.59*1.56M			
Machine net weight	760KG		1280KG		2260KG			
Machine gross weight	1170KG		1875KG		3130KG			
Power consumption	5.3KW(27A)		8.0KW(20A)		9.0KW(20A)			
Power supply	230VAC. 50Hz L/N/PE		400VAC. 50Hz 3P/N/PE					
Certification	CE, FCC							
RIP support	Caldera, Onyx							
UV Curing	Mercury vapor UV Lamps / LED (Optional)							
Interface	High Speed PCIE							
Environment	Separated workroom in good cleaning & ventated condition, avoid direct sunlight Temperature: 18° C – 30° C (64° F-86° F) Constant Humidity: 30%-70%							



Please note that visuals and manufacture specifications are subject to change without prior notice, (T's & C's Apply)
 For the latest update on all products and services contact your local Clear Solutions dealer or visit us at, www.clearsol.co.za

"CHOOSE THE BETTER SOLUTION"

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