

# NEW GENERATION ROLL-TO-ROLL PRINTERS

MORE POSSIBILITIES

## HandTop™ UV PRINTERS



- 1 Water-cooling LED lamp**  
Good curing performance with lower operating temperature and environment -friendly water-cooling LED system.
- 2 Static suppression(optional)**  
Optional static suppression kit that eliminates static on the substrate.
- 3 Kyocera print heads(one head with 2 colors)**  
Variable dots, true grey-scale imaging 4, 6 and 10pl.
- 4 Water-cooling printing platform**  
Adjustable suction zone Special design for heat-sensitive media, avoid distortion from high temperature during printing.
- 5 Function for mesh printing**  
Special design with mesh kit, optional for the customers to print mesh material.
- 6 Double rollers feeding system/Air shaft feeding system**  
Dual roll media loading system allows more kinds of media printing.

- 7 Support two rolls material printing**  
Make full use of the printing, support different image output simultaneously on 2 rolls of media.
- 8 Automatic negative pressure system**  
Using PCB board to control negative pressure, set the negative pressure data from software.
- 9 On board control module**  
Rich functions, self-developed software, independent control module, efficient and convenient.
- 10 Auto height detection system**  
Automatically detects the height of media up to 30mm thickness and calibrates printhead distance for variable dot.
- 11 High-precision imported reducer**  
High-precision reducer at Y direction increase the stepping accuracy for better high-end printing quality.

### 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



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"CHOOSE THE BETTER SOLUTION"

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## SPECIFICATIONS

Model	HTL3200UV FK4	HTL5000UV FK12
Printhead	Kyocera KJ4A	Kyocera KJ4A
Quantity of printheads	2-4 pcs (Single row)	10 pcs (symmetric array)
Resolution	1200*1200dpi	
Draft	87 m <sup>2</sup> /h	192 m <sup>2</sup> /h
Print speed		
Production	63 m <sup>2</sup> /h	140 m <sup>2</sup> /h
Quality	49 m <sup>2</sup> /h	93 m <sup>2</sup> /h
Print mode	UNIDIRECTIONAL & BIDIRECTIONAL	
Max width	3.2m	5.0m
Max media thickness	2mm	2mm
Media type	Flexible flat roll materials	
Ink	Environmental friendly UV curable ink(VOC free)	
Ink color	C / M / Y / K / W Optional	C / M / Y / K / (White Optional)
Image format	Adobe Postscript Level3 PDF JPEG TIFF EPS AI	
Machine size(L*W*H)	6.46m x 1.31m x 1.71m	8.86m x 2.03m x 2.02m
Machine net weight	1800KG	6300KG
Machine gross weight	2550KG	8170KG
Power consumption	3.9KW(18A)	11.1KW(25A)
Power supply	230VAC.50Hz L/N/PE	400VAC.50Hz 3P/N/PE
Certification	CE, FCC	
RIP support	SEEGET, ONYX,CALDERA	
UV Curing	LED	
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%	

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



Self-developed, customized driver and PCB board



Diversified product configuration and application solution can match the different demand in advertising, decorating 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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