

## SPECIFICATIONS

Model	250H		500H		1000H			
<b>Printhead</b>	Ricoh Gen6	Kyocera KJ4A	Ricoh Gen6	Kyocera KJ4A	Ricoh Gen6	Kyocera KJ4A		
<b>Quantity of printheads</b>	2-8 (Double rows)	2-4 (Single row)	2-8 (Double rows)	2-4 (Single row)	2-8 (Double rows)	2-8 (Double rows)	4-10 (double row/ symmetric array)	
<b>Max Print speed</b> (ft <sup>2</sup> /h)	<b>2 Pass</b>	870	893	910	1320	1050	1450	2580
	<b>6 Pass</b>	377	321	390	580	437	750	1400
	<b>9 Pass</b>	248	255	260	500	275	550	950
	<b>12 Pass</b>	182	198	191	360	206	400	670
	<b>24 Pass</b>	94	106	99	200	105	225	340
<b>Max Resolution</b>	1200 x 1200 dpi						3600 x 3600 dpi	
<b>Print mode</b>	Unidirectional and bidirectional							
<b>Max print area</b>	63"		98"		126"			
<b>Max media thickness</b>	2 in							
<b>Media type</b>	Rigid and roll substrates							
<b>Ink</b>	Environmental friendly UV/LED curable ink (VOC free)							
<b>Ink color</b>	CMYK + Lc + Lm + W + V (only capable for Ricoh heads)							
<b>Image format</b>	Adobe Postscript Level 3, PDF, JPEG, TIFF, EPS, AI							
<b>Machine size(LxWxH)</b>	164" x 47" x 53"		217" x 46" x 55"		244" x 63" x 62"			
<b>Machine net weight</b>	1676 lbs		2822 lbs		4983 lbs			
<b>Shipping weight</b>	2579 lbs		4134 lbs		6900 lbs			
<b>Power supply</b>	220 - 230 VAC. 60Hz 30 AMP (single phase)							
<b>RIP support</b>	Caldera, Onyx							
<b>UV Curing</b>	UV lamps, LED							
<b>Environment</b>	Separated workroom in good cleaning and ventilated condition, avoid direct sunlight Temperature: 64°F - 86°F (18° C - 30° C) Constant Humidity: 45%-70%							



## 250 / 500 / 1000 Hybrids

**Media versatility, space-saving architecture.  
Print on virtually any substrate.**

- Quickly change setup from roll media to rigid media.
- Front and rear extension tables can be secured to the main body to facilitate printing on rigid material up to 2" thick.
- The retractable alignment bar aids in rigid media placement, and the vacuum belt-driven printing bed holds media stable while moving it through the printing platform.
- Rollers set in the table tops help in gliding rigid media in and out of the printing press.



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250 Hybrid

63" width MEDIA AREA

500 Hybrid

98" width MEDIA AREA

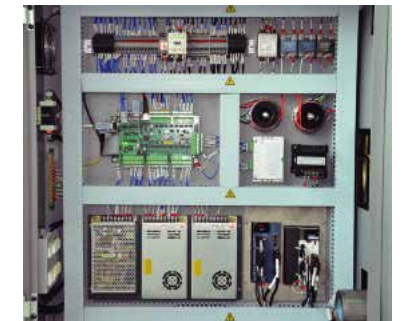
1000 Hybrid

126" width MEDIA AREA

- 1 Automatic negative pressure system  
Negative pressure is automatically controlled through control software.
- 2 Ricoh Gen6 Print Heads  
Featuring variable dots, true grayscale imaging 5, 10, and 15pl.  
  
Kyocera Print Heads  
Featuring variable dots, true grayscale imaging 4, 6, and 10pl.
- 3 LED curing lamps  
Adjustable LED curing system allows for printing on heat sensitive media.
- 4 Auto Height Detection System  
Automatically detects the height of media up to 2in thickness and calibrates print heads distance for variable dot placement and image quality.
- 5 The tension adjust device (only for 1000H)  
The adjustable tension roller is used to prevent wrinkling of roll media during printing process.
- 6 Retractable Alignment Bar  
Retractable alignment bar allows accurate and consistent media placement.



Self-developed, customized driver and PCB board



Conveniently designed industrialized wiring

Kyocera KJ4A Printhead

Nozzle quantity : 2656  
Pico-liter : Variable 4-6-10pl  
Max Operating Frequency : 30Khz  
Effective Print Width : 112.35mm



Ricoh Gen6 Printhead

Nozzle quantity : 1280  
Pico-liter : Variable 5-10-15pl  
Max Operating Frequency : 50Khz  
Effective Print Width : 54.1mm



- 7 Static suppression  
Dual static suppression kit that eliminates static on the substrate.
- 8 Emergency Stop Switches  
Quick stop operation for emergency situations.
- 9 On board control module  
Independent control module with rich functions that are user friendly and efficient.
- 10 Auto Belt Correction System (500H & 1000H)  
Auto belt correction system will automatically adjust for conveyor belt skewing.