

# Technical Specification



<b>MODEL</b>		<b>KGT-LE-2033</b>	
Printhead		3-8 Ricoh Gen5 Printheads	
Printing Technology		Piezoelectric inkjet,variable dot printing,grayscale technology(7-21pl)	
X&YMotor		Industrial high quality servo motors x 3	
Printing Resolution		Up to 720x1200dpi	
Printing Direction		Uni and Bi-direction	
Media	Maximum Print Size	200cm(width)x315cm(Length)	
	Table Size	210cm(width)x340cm(Length)	
	Standard Thickness	100mm	
	Weight	50kgs/m2	
Ink Type		UV LED curable inks	
Ink Configuratoin		CMYK+WW(Standard), CMYKLcLm+WW, CMYK+WW+WW, CCMMYYKK, CMYK+WW+VV	
Ink Cartridge Size		1500ml	
Ink Supply System		Negative Pressure System (NPS) with Automatic Ink Supply	
Curing System		Daul UV LED lamps,water cooling system	
Image Process Software		ColorGate(Bundle Version)	
File Format		Tiff,Jpeg,Postscript,EPS,PDF,DCS2.0	
Interface		USB2.0	
Printer Dimesions(X*Y*Z)		3850*4120*1347mm	
Wooden Box Dimensions(X*Y*Z)		2230x4250x1250mm(for body) 4000x850x700mm(for cross beam)	
Net Weight		1800kgs	
<b>Printing Speed (Bi-direction, Single color, Feathering:122, High speed: 1000mm/s, Middle speed: 800mm/s, Low speed: 600mm/s)</b>			
Print head	Resolution	Pass	Printing Speed
3xRico Gen5	720x 900 dpi	6 Pass	High speed: 14 Sqm/h
			Middle speed: 12 Sqm/h
			Low speed: 10 Sqm/h
	720x1200 dpi	8 Pass	High speed: 12 Sqm/h
			Middle speed: 10 Sqm/h
			Low speed: 7 Sqm/h
	720x1800 dpi	12 Pass	High speed: 8 Sqm/h
			Middle speed: 6 Sqm/h
			Low speed: 5 Sqm/h
<b>Operating Conditions</b>			
Temperature		25~30°C	
Relative Humidity		40-60%	
<b>Electricity Request</b>			
Power		7000W	
Power requirements		Input voltage:220-240V,single-phase,50/60Hz	
Warranty		One year limited warranty(Please contact your local dealer for accurate data)	



## KGT-LE-2033G5

UV Flatbed Printer  
 Ricoh Gen5 Print Head  
 Hi-quality, Hi-speed, Hi-CP Value

- Gen 5 series delivers high quality direct printing on a wide range of materials such as wood, glass, metals,leathers, foam bord,stone,pvc etc. embossment effect especially.
- UV flatbed printers offers endless business possibilities for advertising, gift & premium, home decoration, packaging industries.
- Larger table and higher speed cater bigger production and greatly enhance the productivity.
- ColorGate RIP provides an excellent color management, gives brilliant colors and stunning print result.



MDS Inovativne Tehnologije d. d.  
 Leskoškova cesta 9e, 1000 Ljubljana

- +386 1 586 79 33
- www.mds-it.si
- info@mds-it.si

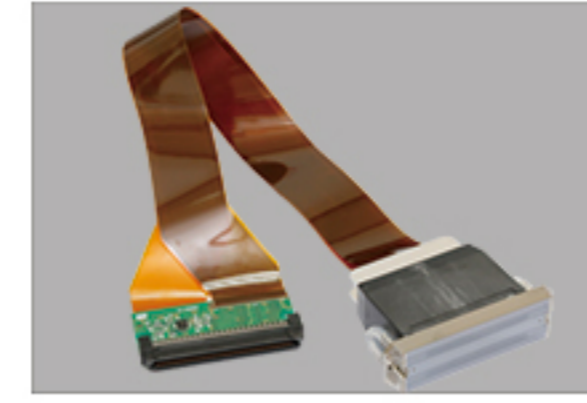


# KGT-LE-2033G5

High Print Quality UV Flatbed Printer



# Features



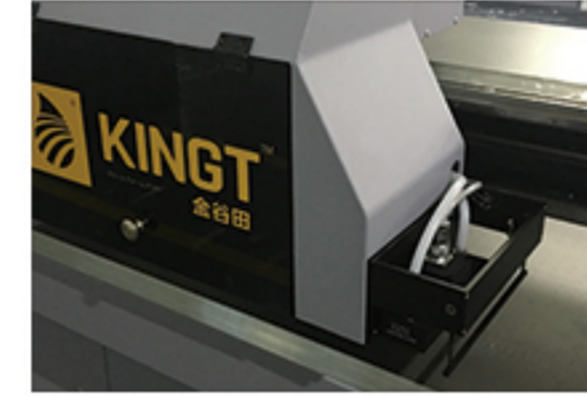
## 1. Staggered Ricoh Gen5 heads based

Staggered print head for simultaneous white and color printing. Standard with 3 Ricoh Gen5 heads, up to 8 Ricoh Gen5 heads configuration, CMYK+WW+VV (optional).



## 2. Industrial Y Structure Tungsten Steel Frame

Constructed with industrial Y frame and structure, the machine is heavy duty and built to last.



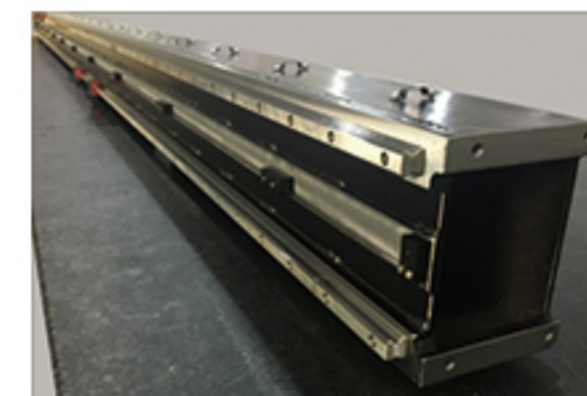
## 3. Dual Anti-crash System

Mechanical anti crash device effectively stops the carriage to protect print head once it touches the media; Hydraulic stoppers avoid the damage of the head carriage once it accidentally crashes to the left or right end.



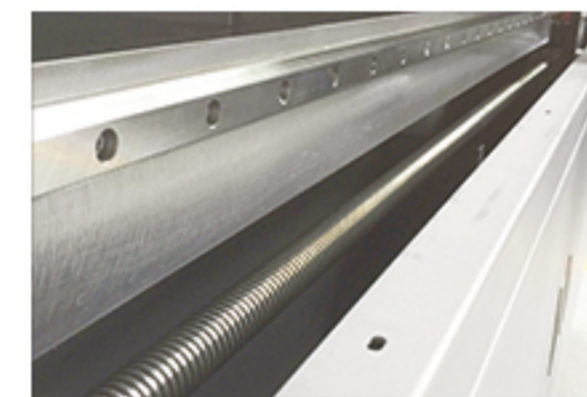
## 4. Industrial Servo Motors

High performance of industrial servo motors provide excellent control of the movement of the shuttle.



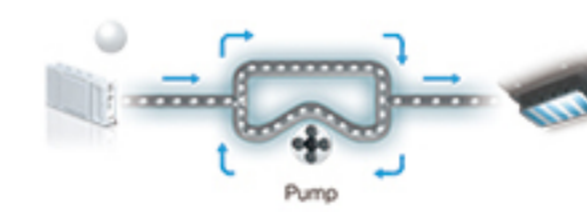
## 5. Cross Beam Adopts Steel Frame with Dual Guide Rails

Dual linear motion guide provides highly stable environment at high speed printing.



## 6. High performance lead Screw Introduced from Taiwan Works in Y-axis

Both sides of the printer are equipped with industrial driving screws which ensure high accuracy of the print position and enhance its durability.



## 7. White Ink Circulation System

Keeps color particulates in motion in a bid to improve stability and dispersions of the pigments in the fluid reservoir and ink path.



Vacuum system



Ricoh G5 print head



Negative pressure ink supply system

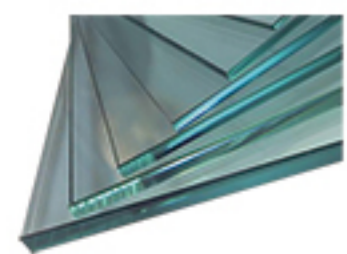


German ColorGATE RIP



Bi-direction printing

# Applications



Glass



Acrylic



Ceramic



Wood



Metal



Leather



Phone case



Plastic



White ink function

Two-layers print function

3D relief printing effect



Through white ink and spot color printingsystem,color is more vivid, which also provides various kinds of printing modes for special materials.



Two-layer printing of separate white and full color layers is possible at the same time



The decorative 3d printing relief effect is beautiful and of high add value.

All trademarks or registered trademarks are property of their respective owners. Specifications are subject to change without notice. Inkjet printers print using extremely fine dots, thus colors may vary slightly following replacement of the printing heads. Also note that using multiple printer units, colors may vary slightly among the units due to slight individual differences among the unit.