

# Technical Specification



MODEL		KGT-LE-2513(Gen5S)			
Printhead		5~8 Printheads			
Printing Technology		Piezoelectric inkjet,variable dot printing,grayscale technology			
X&Y Motor		Industrial high quality servo motors x 3			
Printing Resolution		720x900 DPI / 720x1200 DPI			
Printing Direction		Uni and Bi-direction			
Media	Maximum Print Size	2500mm(Width)x1300mm(Length)			
	Table Size	2600mm(Width)x2000mm(Length)			
	Max.Thickness	100mm			
	Weight	50kgs/m <sup>2</sup>			
Ink Type		UV LED curable inks			
Ink Configuratoin		CMYK+WW+VV+SMSY(Standard), CMYKLcLm+WW+SMSY CMYKLcLm+WW+SMSY+VV CMMYYKK 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)		4350x1920x1350mm			
Wooden Box Dimensions(X*Y*Z)		4530x2130x1600mm			
Net Weight		1500kgs			
Printing Speed (Bi-direction, Single color, Feathering:122)					
Printheads	Resolution	Pass	High speed	Middle speed	Low speed
4 Ricoh Printheads	720x900 dpi	6 Pass	15 Sqm/h	13 Sqm/h	10 Sqm/h
		8 Pass	13 Sqm/h	11 Sqm/h	9 Sqm/h
		12 Pass	11 Sqm/h	9 Sqm/h	8 Sqm/h
Operating Conditions					
Temperature		25~30℃			
Relative Humidity		40~60%			
Electricity Request					
Power		7000W(including vacuum system)			
Power requirements		Input voltage:220-240V,single-phase,50/60Hz			
Warranty		One year limited warranty(Please contact your local dealer for accurate data)			



## Ricoh Gen5S Series

High-end UV flatbed printer  
KGT-LE-2513(Gen5S)  
Hi-precision,Hi-speed,Humanized design

- The Gen5S print heads are very robust (steel housing) and were developed for advanced high-resolution printing with excellent close-up detail. The small 2.5 pl native drop size of the print head allows Kingt to offer customers even finer visual graphics, improved flesh tones and subtle pastel shades.
- Fluorescent UV ink printing products have a glowing effect. It brings more business opportunities for sign boards, advertising, arts, crafts, toy and packing industries etc....
- ColorGate RIP provides an excellent color management, gives brilliant colors and stunning print result.



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## Gen5S Series

High-end UV Flatbed Printer



## Features

- 1.Staggered Ricoh Gen5S heads based**  
Staggered print head for simultaneous white and color printing. CMYKWV+Neon M+Neon Y(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 it's 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.

White ink function      Fluorescence effect      3D relief printing effect



Through white ink and spot color printing system,color is more vivid, which also provides various kinds of printing modes for special materials.  
Fluorescence effect product look more shing and attached, brings more business opportunities.New look, New fashion.  
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.

- Vacuum system
- Ricoh G5S print head
- Negative pressure ink supply system
- German ColorGATE RIP
- Bi-direction printing

## Applications

