

# RAPTOR 2



UNLEASH YOUR IMAGINATION

# RAPTOR 2

Tension Roll LED-UV PRINTER

Excellent media tension system

A single machine for multiple purposes



**RAPTOR 2 P5 / 5M**  
Tension Roll LED-UV PRINTER



**RAPTOR 2 P3 / 3.2M**  
Tension Roll LED-UV PRINTER



P3 / 3.2M							
Print head	Ricoh Gen6 (5pl)						
Ink	GUV Series Ink / HUV Series Ink						
Media type	PP, PVC, Backlit, Canvas, Fabric, etc...						
Speed 6PASS	Print Head	4	6	7	10	14	20
	Configuration	4Cx2Row	4Cx3Row	4Cx3Row+W	6Cx3Row+W	4Cx6Row+2W	6Cx6Row+2W
	High speed	49 m <sup>2</sup>	74 m <sup>2</sup>	74 m <sup>2</sup>		148 m <sup>2</sup>	148 m <sup>2</sup>
	Production	40 m <sup>2</sup>	60 m <sup>2</sup>	60 m <sup>2</sup>		120 m <sup>2</sup>	120 m <sup>2</sup>
	Sandwich	-	-	20 m <sup>2</sup>		40 m <sup>2</sup>	40 m <sup>2</sup>
Hi-Density	20 m <sup>2</sup>	30 m <sup>2</sup>	30 m <sup>2</sup>		60 m <sup>2</sup>	60 m <sup>2</sup>	
Resolution	720 x 900 dpi / 720 x 1200 dpi						
Color	Cyan / Magenta / Yellow / Black / Light Cyan / Light Magenta / White						
Weight	Net. weight 1500KG ( 3307lbs ) / Gross weight 2000KG ( 4409lbs )						
Machine dimensions (mm)	L 4336 / W 1520 / H 1550						
Packing dimensions (mm)	L 5950 / W 1380 / H 1970						
Power requirement	Single Phase 220V ±10% (50/60Hz,AC)						
P5 / 5M (Linear Motion)							
Print head	Ricoh Gen6 (5pl)						
Ink	GUV Series Ink / HUV Series Ink						
Media type	PP, PVC, Backlit, Canvas, Fabric, etc...						
Speed 6PASS	Print Head	6	7	12	14	20	
	Configuration	4C x 3Row	4C x 3Row + W	4C x 6Row	4C x 6Row + 2W	6C x 6Row + 2W	
	High speed	84 m <sup>2</sup>	84 m <sup>2</sup>	169 m <sup>2</sup>	169 m <sup>2</sup>	169 m <sup>2</sup>	
	Production	70 m <sup>2</sup>	70 m <sup>2</sup>	140 m <sup>2</sup>	140 m <sup>2</sup>	140 m <sup>2</sup>	
	Sandwich	-	24 m <sup>2</sup>	-	48 m <sup>2</sup>	48 m <sup>2</sup>	
Hi-Density	35 m <sup>2</sup>	35 m <sup>2</sup>	70 m <sup>2</sup>	70 m <sup>2</sup>	70 m <sup>2</sup>		
Resolution	720 x 900 dpi / 720 x 1200 dpi						
Color	Cyan / Magenta / Yellow / Black / Light Cyan / Light Magenta / White						
Weight	Net. weight 5500KG ( 12125lbs ) / Gross weight 6200KG ( 13669lbs )						
Machine dimensions (mm)	L 7940 / W 1600 / H 2050						
Packing dimensions (mm)	L 8200 / W 2000 / H 2300						
Power requirement	Single Phase 220V ±10% (50/60Hz,AC)						
TECHNICAL SPECIFICATION							
Media thickness	Max 5mm						
Media roll weight	Max 200Kg						
Working environment	Temperature 20°C~30°C, Humidity 35%~65% (Recommended)						
Connection Interface	USB 3.0 High Speed connection						
Software (Option)	ONYX / CALDERA						



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Tension Roll LED-UV PRINTER

Excellent media tension system

A single machine for multiple purposes

**No primer required**

**No lamination**

**All kind of materials**



## Media tension control system

All kind of materials

\* Tension rolls system affords reliable and precise media tension. Making high quality printing possible at high speeds on all kind of materials.

\* Adjustable suction plate, to control vacuum level according to materials characteristics. Overcoming soft materials waves issue.

\* Available with both GUV or HybridUV inks. High adhesion, no primer required, nor lamination: printouts are waterproof and scratch resistant. Truly a multi-purpose machine!

## Ricoh Gen6 industrial print heads

Smaller ink droplets, long life, and higher speed for a wider application range.

Latest generation high-resolution industrial print head by Ricoh Gen6. Only 5 picolitres droplet size, higher temperature resistance, and compatible with more types of ink.

## Proprietary Two-segment LED-UV lamp

Reduce UV banding and irregular ink layer issues, even in high speed.

\* Avoid high heat concentrated in one section and deformation of materials.

\* It is completely dry even in high-speed or high ink density modes.

\* Varnish printing maintains shine without fogging, creating fine-quality textured printouts.

## User-friendly PM software

Smart settings for easier operation

\* Instant operation system. Select all settings on a single screen.

\* You can record your frequent printing settings for faster operation, simplifying tedious printing process.



**RAPTOR 2 PS / 5M**  
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## Choose between GUV and HybridUV inks

Both are high-adhesion, scratch and weather resistant inks.

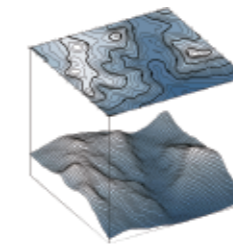
## GUV Creates Textured Printing Ideal for Customization

GUV ink offers multi-layer printing modes to create eye-catching images such as double-sided images, perspective effects, and three-dimensional images. With Varnish, print spot glazing and embossing design effects, which are suitable for custom design products, special-effects, and high-profile lightbox ads.



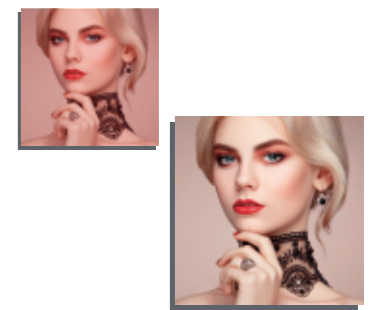
**Double-sided effect in one printing**

Sandwich (left)  
5 layers (right)



**Multiple white ink layers:  
three-dimensional effect**

Create emboss for an amazing visual and tactile experience



**Print perfectly on colored materials**

Get perfect printing results on colored materials, with white ink underneath

## HybridUV: Best solution to replace obsolete Solvent prints

Green energy and environmental protection. Higher printing speed than conventional UV, at a lower production cost. HybridUV ink has vivid colors and high-gloss property. Very long outdoor durability. Choose between matt and glossy in one click. No question, the best printing solution on the market for outdoor advertising. Achieve true green energy and environmental protection, with faster printing speed than traditional UV, but lower production costs. Hybrid UV series inks have bright colors and excellent weather resistance. You can easily set the brightness of bright, semi-bright and matte. Effect, for you to create the best outdoor advertising prints on the market.



Solvent	v.S	Hybrid UV
Dark	<b>Color</b>	Vivid and bright
Few months	<b>Durability</b>	2-3 years
Only Glossy	<b>Effect</b>	Glossy/High Glossy/Matt
Smelly and Polluted	<b>Environmental</b>	Zero VOCs

