

# T-REX 3

SPECIFICATION						
Print head		Ricoh Gen6 (5pl)				
Ink		GUV Series Ink / HUV Series Ink				
Media type		Vinyl, PET film, Back lit, Synthetic paper, Banner, Acrylic, glass etc.				
Speed 6PASS	Print head	4	6	7	14	20
	Configuration	4Cx2Row	4Cx3Row	4Cx3Row+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>
Printing resolution		720 x 900 / 720x1200 dpi				
Printing area size		3200mm x Extension Table				
Colors		Cyan / Magenta / Yellow / Black / Light cyan / Light magenta / White				
Weight		Net. weight 3150KG ( 6944.5lbs ) / Gross weight 4000KG ( 8818.4lbs )				
Machine Dimensions		L 4336 / W 1520 / H 1550 (mm)				
Packing Dimensions		L 4560 / W 1760 / H 2000 (mm)				
Power requirement		Single phase 220V ±10% (50Hz,AC)				
Expandable Table		Standard equipment				
Expandable Table Size		L3400 / W 800 / H 870 (mm)				
Media thickness		Max 50mm				
Curing system		LED-UV lamp				
Working Environment	Temperature	20°C~30°C (Recommended)				
	Humidity	35%~65% (Recommended)				
Connection Interface		USB 3.0 High Speed connection				
Software (Option)		ONYX / CALDERA				



UNLEASH YOUR IMAGINATION

# T-REX 3

LED-UV Hybrid Printer

Conveyor belt Inkjet Printer

Widen Possibilities / Finest Printing Quality



T-REX 3



- ▶ Finest printing quality : 5pl
- ▶ For both rolls and rigid materials
- ▶ Print multiple sheets at the same time
- ▶ Anti-static conveyor belt



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# Two Machines In One

Any type of rolls and rigid materials, from films or banner to cardboards or acrylics sheets up to 3.2m wide. With 5pl drop size, T-REX 3 is the most meticulous hybrid printer of its range.

LDP original LED-UV ink, six colors plus white to deliver smoother colors and eye-catching effects! The excellent media adhesion, outdoor durability, and scratch resistance makes our inks are widely used in various industries for different kind of products and materials. Great results in high production and quality modes.

## 1 Automatic height measurement system

Automatically detect the height and width of consumables to set the best parameters for the printing carriage. Substrates maximum thickness: 50mm.

## 2 Industrial piezoelectric nozzle

Using industrial piezoelectric heads with excellent stability and long lifespan. Ink droplet technology makes printing performances on image with gradient, perfectly smooth and detailed. And with the smallest ink droplet of 5pl lines are sharp and colors are brights.

## 3 Anti-static and anti-collision devices

Anti-collision devices are installed on both sides of the printing carriage to effectively prevent the printheads from being damaged due to consumables waving or any unexpected items placed in the printing area. Anti-electrostatic device has also been installed to eliminate the interference caused by static electricity during the printing process and prevent flying dots issue.



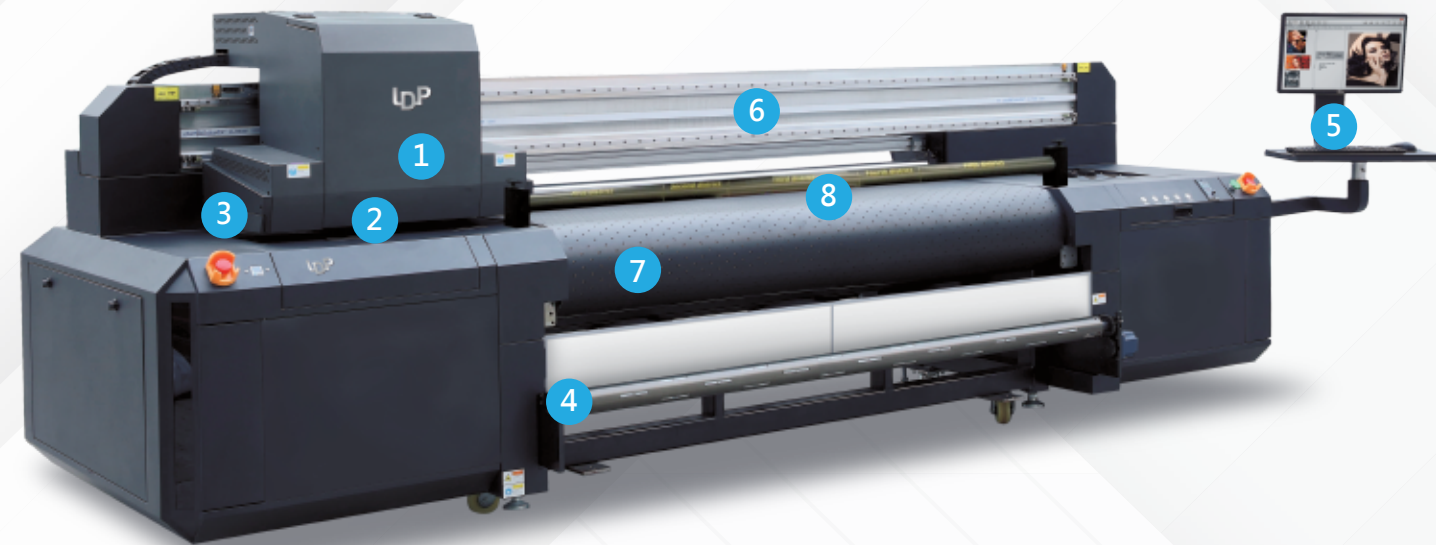
## 4 Tension control system

T-Rex 3 uses a high-precision feeding motor to drive and synchronously run flat any roll material. Reduce step variation issue due to material wrinkling or occurring after long printing jobs.



## 5 Smart digital operation interface

From print mode selection, print head cleaning, media suction control, UV light settings, equipment maintenance and printing operations are all digitally operated. Intuitive interface design, printing data, and real-time control are making the printing process faster by simplifying all operations.



## 6 THK double linear guide

Double linear guide and strengthened carriage to ensure smooth movement. The IGUS drag chain secures stable printing movement, accurate ink drop point, and limit calibration error to 0.02-0.05mm.

## 7 Selected high stability guide belt

Unique Teflon guide belt: no static electricity is generated during the printing process, and it has a highly accurate positioning and excellent stability. Multiple sheets can be loaded and printed at the same time. Stable and rapid production.



## 8 Powerful vacuum suction platform

The partition-controlled suction platform can independently adjust the suction area according to the type of material. Even extremely thin and soft materials can be perfectly flattened on the platform, without warping or wrinkling. (The picture shows the suction operation panel)

