



Liquid Crystal  
**TITAN**

Photo**centric**



# The Largest LCD 3D Printer in the World

The Ultimate Solution for High Resolution, Large-Scale Outputs

LC Titan delivers exceptional precision and reliability for ultra-high resolution large-format 3D printing. Expertly engineered for industries that demand both high quality and large-format solutions, whilst rapidly and cost-effectively accelerating your production process.

## Product Highlights



### Extremely Large Build Volume

695 x 385 x 1200mm (27.3 x 15.2 x 47.2")

Push the boundaries of what's physically possible with exceptional precision and reliability in large-format 3D printing



### High Resolution 8K Output

32-inch LCD screen (7680 x 4320 pixels)

Achieve exceptional results with ultra-fine 91µm pixel pitch, ensuring superior precision and detail in every print

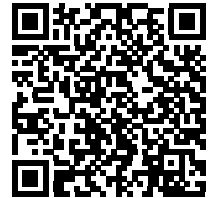


### Comprehensive Solutions for your Production

From our purpose-built post-processing solutions to training, materials, servicing, and support - we can provide everything you need to set your production up for success.

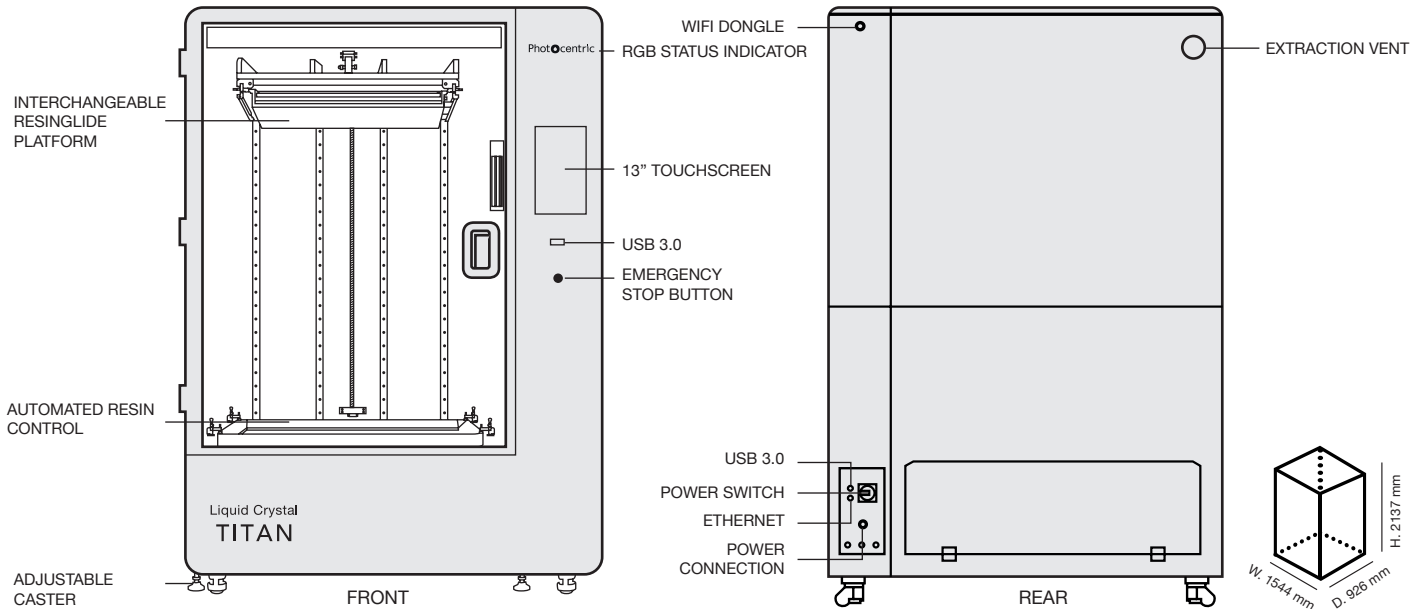


# Liquid Crystal TITAN



For further information

## Key Features



## Full Technical Specifications

Performance	User Interface and Operation	Software
<ul style="list-style-type: none"> <li><b>Build volume:</b> 695 x 385 x 1200mm (27.3 x 15.2 x 47.2")</li> <li><b>Print layer thickness:</b> 50-350µm</li> <li><b>8K screen:</b> 7680 x 4320 pixels (32")</li> <li><b>XY Resolution:</b> 91 µm</li> <li><b>Print speed:</b> up to 86mm per hour (3.39" per hour)</li> <li><b>Light output intensity - LCD screen:</b> 1.6 mW/cm<sup>2</sup></li> <li><b>Light output wavelength:</b> 460nm</li> <li><b>Patented Blow-Peel technology:</b> Ensures reliable and fast printing</li> <li><b>Vat leak sensor:</b> Alerts users to resin leak</li> </ul>	<ul style="list-style-type: none"> <li>Factory calibrated enabling quick set-up and installation on site</li> <li>Large capacitive 13" touchscreen</li> <li>Photocentric Crystalliser control system for optimum performance and in-field updates</li> <li>Interchangeable ResinGlide platform allows easy cleaning and less resin waste</li> <li>Automated resin control system, with auto vat fill and empty functions</li> <li>15kg exchangeable resin tank with option to connect to larger resin container</li> <li>Remote control and monitoring capability with 4K time lapse cameras</li> <li>Comprehensive accessory box provided containing tools, spare consumables and cleaning equipment</li> </ul>	<ul style="list-style-type: none"> <li>Supplied with a complementary perpetual Photocentric STUDIO license.</li> <li>VoxelDance Additive software available as a separate license</li> </ul>
Connectivity		
<ul style="list-style-type: none"> <li>Wi-Fi</li> <li>Ethernet</li> <li>USB 3.0 for fast file transfer</li> </ul>		
Construction	Input Requirements	Our Comprehensive Ecosystem
<ul style="list-style-type: none"> <li>Weight: 635kg (1400lbs)</li> <li>Robust steel construction with durable powder coat finish</li> <li>High airflow centrifugal fans to provide efficient cooling enabling printing</li> <li>Precision engineered components including high tolerance THK linear rails</li> <li>Twin motor drivers deliver robust performance</li> <li>Custom design collimated and uniform LED backlights for high resolution and high accuracy</li> </ul>	<ul style="list-style-type: none"> <li>Average power consumption: 1.1kW</li> <li>Power consumption at peak operation: 3.4kW</li> <li>Power input: Single Phase 230v 32A</li> <li>Plug type: 3 pin IEC60309</li> <li>Continuous feed of compressed air is required; recommended 6 bar (9 psi), minimum 2 bar (8psi)</li> </ul>	<p>Designed to work seamlessly with LC Titan, our comprehensive ecosystem enables you to further enhance your printing experience</p> <ul style="list-style-type: none"> <li>Wash XL and Cure XL for seamless post-processing</li> <li>Wide range of affordable functional resins</li> <li>Service plan options available</li> <li>Expert design support service</li> </ul>
Warranty		
<ul style="list-style-type: none"> <li>Warranty period of 12 months as standard</li> <li>Extended warranty is available</li> </ul>		