

Liquid Crystal TITAN

Photocentric



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.

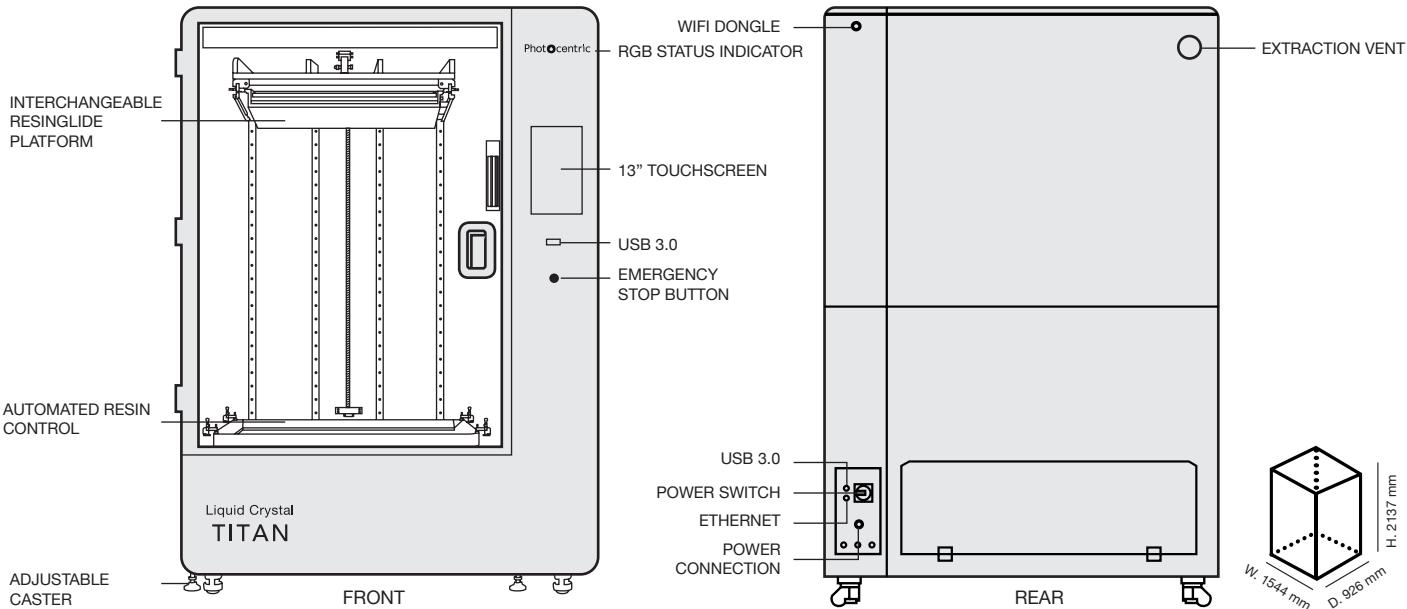


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For further information

Key Features



Full Technical Specifications

Performance	User Interface and Operation	Software
<ul style="list-style-type: none"> Build volume: 695 x 385 x 1200mm (27.3 x 15.2 x 47.2") Print layer thickness: 50-350µm 8K screen: 7680 x 4320 pixels (32") XY Resolution: 91 µm Print speed: Up to 28mm/hr at 250µm Light output intensity - LCD screen: 1.6 mW/cm² Light output wavelength: 460nm Patented Blow-Peel technology: Ensures reliable and fast printing Vat leak sensor: Alerts users to resin leak 	<ul style="list-style-type: none"> Factory calibrated enabling quick set-up and installation on site Large capacitive 13" touchscreen Photocentric Crystalliser control system for optimum performance and in-field updates Interchangeable ResinGlide platform allows easy cleaning and less resin waste Automated resin control system, with autovat fill and empty functions 15kg exchangeable resin tank with option to connect to larger resin container Remote control and monitoring capability with 4K time lapse cameras Comprehensive accessory box provided containing tools, spare consumables and cleaning equipment 	<ul style="list-style-type: none"> Supplied with a complementary 3-year Photocentric Studio Pro license. VoxelDance Additive software available as a separate license

Construction	Input Requirements	Our Comprehensive Ecosystem
<ul style="list-style-type: none"> Weight: 635kg (1400lbs) Robust steel construction with durable powder coat finish High airflow centrifugal fans to provide efficient cooling enabling printing Precision engineered components including high tolerance THK linear rails Trinamic motor drivers deliver robust performance Custom design collimated and uniform LED backlights for high resolution and high accuracy 	<ul style="list-style-type: none"> Average power consumption: 1.1kW Power consumption at peak operation: 3.4kW Power input: Single Phase 230v 32A Plug type: 3 pin IEC60309 Continuous feed of compressed air is required; recommended 6 bar (9 psi), minimum 2 bar (8psi) 	<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"> Wash XL and Cure XL for seamless post-processing Wide range of affordable functional resins Service plan options available Expert design support service

Warranty

- Warranty period of 12 months as standard
- Extended warranty is available