



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

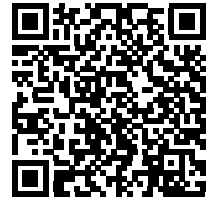


Comprehensive Solutions for your Production

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.

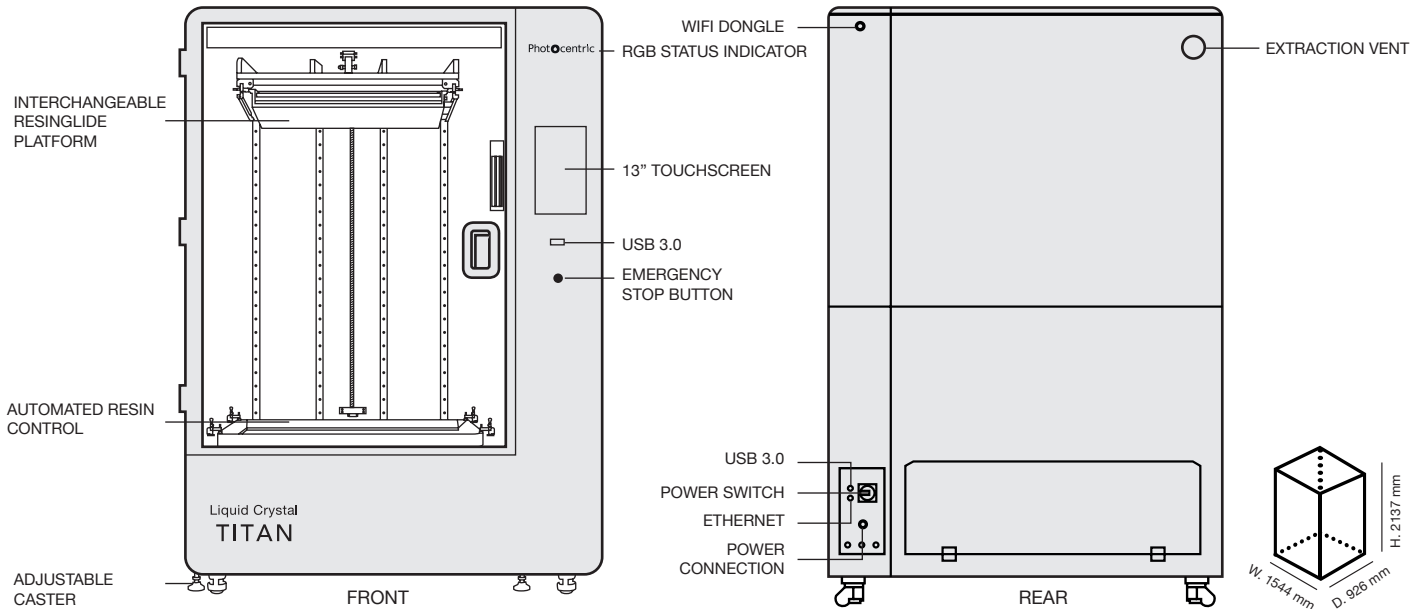


Liquid Crystal TITAN



For further information

Key Features



Full Technical Specifications

Performance	User Interface and Operation	Software
- 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 86mm per hour (3.39" per hour) - 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	- 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 autovot 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	- Supplied with a complementary 3-year Photocentric Studio Pro license. - VoxelDance Additive software available as a separate license
Connectivity		
- Wi-Fi - Ethernet - USB 3.0 for fast file transfer		
Construction	Input Requirements	Our Comprehensive Ecosystem
- 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 - Tinamic motor drivers deliver robust performance - Custom design collimated and uniform LED backlights for high resolution and high accuracy	- 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)	Designed to work seamlessly with LC Titan, our comprehensive ecosystem enables you to further enhance your printing experience - 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		