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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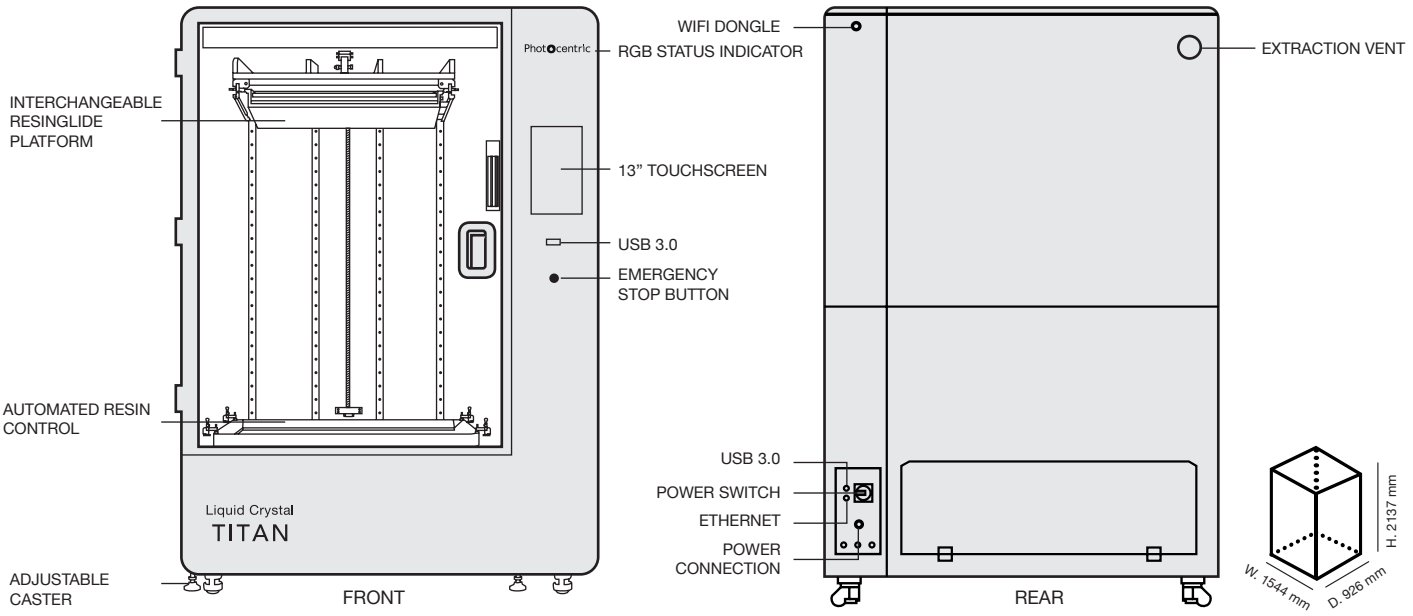
For further information

Key Features



Full Technical Specifications

Performance

- 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 67mm/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

User Interface and Operation

- 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

Software

- 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

- 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 unform LED backlights for high resolution and high accuracy

Input Requirements

- 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)

Warranty

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

Our Comprehensive Ecosystem

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 avaliable
- Expert design support service

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photocentricgroup.com

MADE IN UK