Liquid Crystal
MAGNA

Photocentric

It Just Works

Large Format Industrial LCD 3D Printer

LC Magna is expertly built for professionals who demand quality, reliability, and scalability. Its large build volume, industrial-grade performance, and seamless workflow integration make it the perfect choice for businesses looking to scale up their production. With LC Magna, you get a proven platform that delivers results.

Product Highlights

Large Build Volume

510 x 280 x 350mm (20.1 x 11 x 13.8")

Print bigger and faster with a substantial build area, enabling high-throughput production.

Industrial-Grade Reliability

Designed for continuous operation with dependable performance in production environments - featuring our patented Blow-Peel technology for fast and reliable printing.

Fast Print Speeds

Reduce production time with up to 86mm/hr speed, all while maintaining quality, and resolution making it a cost-effective solution.

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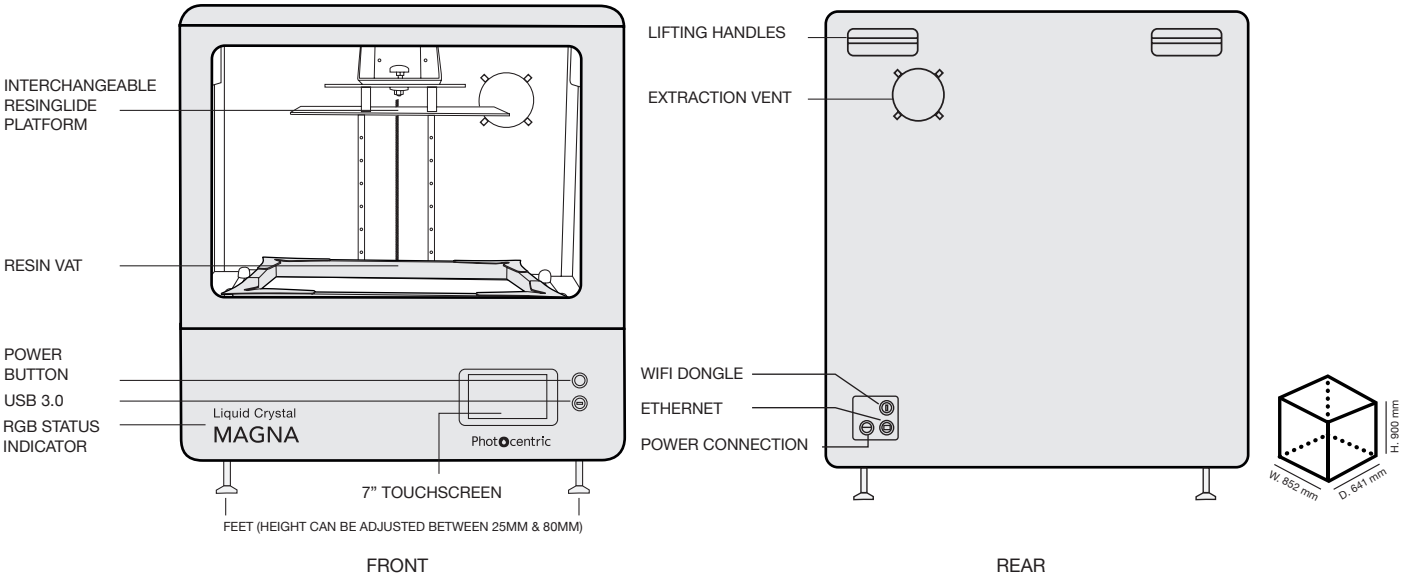
For further information

Key Features



Full Technical Specifications

Performance

- **Build volume:** 510 x 280 x 350mm (20.1 x 11 x 13.8")
- **Print layer thickness:** 25-350µm
- **4K screen:** 3840 × 2160 pixels (23.8")
- **XY Resolution:** 137 µm
- **Print speed:** up to 86mm per hour (3.39" per hour)
- **Light output intensity - LCD screen:** 2mW/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 7" touchscreen
- Photocentric Crystalliser control system for optimum performance and in-field updates
- Interchangeable ResinGlide platform allows easy cleaning and less resin waste
- Remote control via web interface
- 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: 110kg (242.5lbs)
- Robust steel construction with durable powder coat finish
- 6 PWM fans ensure reliable, efficient, and quiet cooling, supporting fast and reliable production cycles
- Precision engineered components including HIWIN 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: 500w
- Power consumption at peak operation: 1.3kW
- Power input: 100-240 VAC 7-13.5A

Warranty

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

Our Comprehensive Ecosystem

Designed to work seamlessly with LC Magna, our comprehensive ecosystem enables you to further enhance your printing experience

- Air Wash L and Cure L2 for seamless post-processing
- Wide range of affordable functional resins
- Service plan options available
- Expert design support service

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photocentricgroup.com

MADE IN UK