



# Liquid Crystal DENTAL

## Technical Specifications



Build Volume  
**310 x 174 x 200mm**  
(12.2 x 6.9 x 7.9")



Print Speed  
**18mm per hour**  
(0.70" per hour)



4K Screen  
**3840 x 2160px**

XY Resolution	80µm
Light Engine	410nm
Layer Thickness	25-100µm
Layer Time Full Platform	10 seconds @ 50µm
LED Backlight Power	495W (165 x 3w LED's)
Pixel Pitch	80µm
Cure Speed	2-6 secs per layer at 50 µm*
Touchscreen	7"- 800 x 480px
Resin Fill System	Manual
Peeling Aid	Vat Lift
Vat Life	>100 Prints- Re-skinning cost £8.00
Throughput	H: 192 V: 207 Dental Arches in 8 hr shift
Compatible Resins	LC Dental Resins
Biocompatible Materials	3rd Party resins. E.g NextDent, Dreve and Whipmix
Connectivity	Wi-Fi (2.4 , 5 GHz). Ethernet (1000 Mbit), USB 3.0
Leak Resistance	Wipe-clean sheet metal surfaces sealed with O-ring.
Dimensions	605 x 491 x 419 mm 23.8 x 19.3 x 16.5"
Weight	38kg (83.8 lbs)
Power	100-240 V, UK/USA/EU plug

## In the crate

LC Dental

1kg Sample Resin

### Accessories Included:

16Gb USB	Soft Spatula
Wi-Fi Dongle	Funnel
Vat Cleaning Tool	5 x Paper Filters
2 x Vat Gaskets	2 x Gloves
2 x Vat Film	Silicone Mat
Pozi2 Screwdriver	Platform Hanger
Pozi1 Screwdriver	Scraper
5mm Allen Key	Power Cord
3mm Allen Key	

## Software

Photocentric Studio

Perpetual License for 2 devices

### Minimum Computer Requirements:

- Operating System Windows 7, 8 or 10
- Minimum 2.0 Ghz processor speed 2 cores.  
Recommended 4 cores
- GPU capable of opening OpenGL version 3.0 or higher
- NET framework version 4.0
- 64bit system: recommended 4GB
- 32bit system: recommended 2GB

### Built-In PrintFlow Printer Controller:

- Version 0.66
- USB Connection
- Storage Capacity: 11Gb

## 1 Year Warranty

\*Dependent on resin