Photocentric
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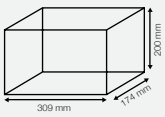
Liquid Crystal
DENTAL

Ultra-Fast and Accurate Printing. One of the world's first monochrome LCD printers designed specifically for dentistry. With an innovative VAT Lift peeling technology, LC Dental offers ultra-fast print speeds.

20 Flat Arches – 50 minutes at 50um / 30 minutes at 100um
34 Vertical Arches – 2 hours, 40 minutes at 50um / 1 hour, 35 minutes at 100um.

Improve Workfow. Scale up Production. Reduce Lead Times.

SPECS



Build Volume
309 x 174 x 200mm

Print Speed
50um 18mm / per hour

XY Pixel Size
80 Microns

Cure Speed
50um 2-6 sec / layer
(depending on the resin)

COMPATIBLE RESINS

Dentistry

UV LCD Dental Model

UV LCD Castable

UV Surgical Guide & Splint Class 2a

Gingiva Mask

LC Dental is open source and compatible with most 3rd party Dental Resins

6956 Jarry E.,
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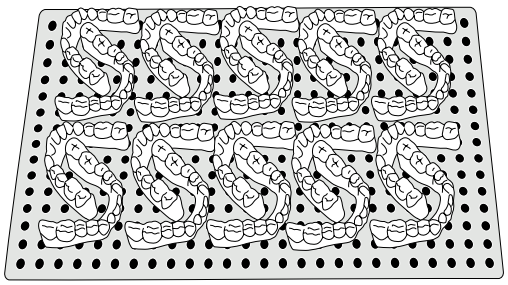
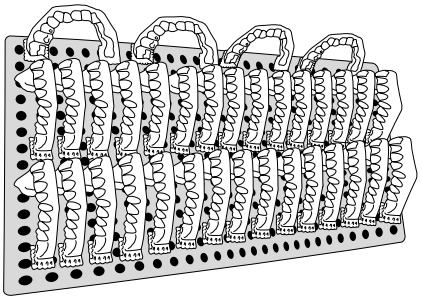
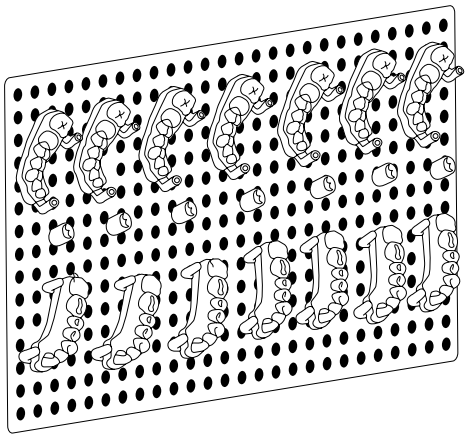


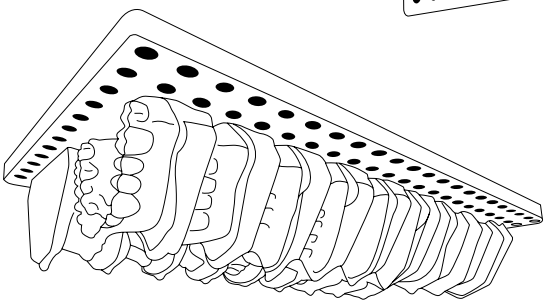
20 Dental Models
50 mins at 50µm
30 mins at 100µm



34 Dental Models
2 hr 40 mins at 50µm
1 hr 35 mins at 100µm

14 Die Models
58 mins at 50µm
35 mins at 100µm





18 Dental Arches
2 hr 40 mins at 50µm
1 hr 35 mins at 100µm

Further Features

Software	Photocentric Studio	**Peeling Aid Mechanism**	Yes- Vat Lift
Homing	Auto homing	**Connectivity**	Stand Alone USB, Ethernet, Wifi
LCD Specifications	Monochrome 14” 4K	**Cure Speed**	4-6 sec per layer (at 100 Microns, depending on resin)
Platform	Aluminium with Teflon coating & Flex Plate	**Resin**	LC Dental Resin
Vat	Double Ring & Recess Design / Long life		

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