LuxCreo iLux Pro Dental

iLux Pro Dental DLP 3D printer with Digital Polishing™ provides first-of-its-kind simplified production for clear splints, retainers, and aligners for clinics & laboratories. iLux Pro Dental "Same-Day-Delivery" solution delivers high-accuracy and high-throughput production for dental laboratories and clinics.

Digital Polishing™ Benefits	· **3x** revenue with same workforce	· **80%** higher clarity	· **75%** reduction in polishing time

Equipped with LEAP™, iLux Pro Dental simplifies and automates digital dentistry. LEAP™ platform tunes software, hardware, resins, and post processing to minimize labor and maximize daily production.

iLux Pro Dental

SYSTEM SPECIFICATIONS	
Build Volume (XYZ)	192 × 108 x 200 mm (7.6 x 4.3 x 7.9 in)
Resolution	3840 x 2160 ppi
Pixel Pitch (XY)	50 µm
Wavelength	385 nm
Printing Speed	Material dependent
3D Printer Uncrated(WxDxH)	457 x 545 x 550 mm (18 x 21.5 x 21.7 in)
3D Printer Door Open(WxDxH)	457 x 550 x 950 mm (18 x 21.79 x 37.4 in)
3D Printer Crated Weight	70.1kg (154.5 lbs)
3D Printer Uncrated Weight	51kg (112.4 lbs)
Certifications	FCC, CE
Warranty	12 months manufacturer's warranty included
	Extended warranty options available
SUGGESTED OPERATING ENVIRONMENT	
Temperature	22-26 °C (72-79 °F)
Humidity (RH)	≤60%
Power	100-240 VAC, 50/60 Hz, 195 W
MEMBRANE	
Compatible Membranes	LEAP
MATERIALS	
Compatible Materials	DMR III, DNG, DCA, KeySplint Soft
Material Packaging	Material dependent
SOFTWARE AND NETWORK	
Software	LuxFlow
Connectivity	USB / Ethernet / WiFi
MINIMUM CONFIGURATION	
Operating System	Windows 10 64-bit operating system
CPU	Core i7 CPU@2.40GHz
Memory	16GB
Graphics Card	NVIDIA GeForce GTX 1650Discrete graphics card
HD	HDD 500G

Case Study

LuxCreo has developed series of dental resins and pioneered industrial dental solutions to meet the needs of customization, streamlined dental product production, and more complete and economical clinical solutions for dentists and dental technicians.

Dental Applications

DMR III

DMR III is a dental resin for dental model printing used for rapid production of transparent orthodontic aligners with excellent mechanical properties and printability. It is easy to clean and also can achieve vertical printing with high resolution. DMR III provides doctors a highly accurate and error-free solution to produce every set of aligners with significantly improved treatment efficiency and shortened treatment cycle.

DNG

DNG is a fast printing transparent and easy-fit splint model resin with superb abrasion resistance, mechanical properties and biocompatibility.

The custom-made 3D printed splints precisely stabilize the dentition and/or oral musculature while facilitating functional dentition adjustment. The transparent and comfortable material perfectly balances between visual aesthetics and therapeutic performance and the simple yet efficient customization process greatly enriches the dental chairside applications.

DCA

DCA is a clear and flexible yet tough aligner/retainer material which meets clinical requirements of transparency, flexibility and optimal orthodontic force. DCA is a FDA 501(k) Class II certified biocompatible dental resin material.

The technology of fast direct printing customized clear aligner/retainer is a major breakthrough in the application of 3D printing to the dental industry. Directly-printed aligner/retainer with high definition and superb transparency greatly improve the comfort and hygiene level of the patient. In addition to benefits on patient's user experience, the direct printing technology also saves the labor and material cost on manufacturing dental models, hence significantly increases the manufacturing efficiency and flexibility.

Asia Headquarter

+8610-63941626 / business@luxcreo.com

www.LuxCreo.cn

Room 1017, Floor 1, Building 13, No. 27 Middle Jiancaicheng Road, Haidian District, Beijing, China

North America Headquarter

+1 (650) 336-0888 / info@luxcreo.com

www.LuxCreo.com

940 Old County Rd., Belmont, CA 94002, U.S.A.