

D I G I T A L   3 D



**LuxCreo**

P R O D U C T I O N



[www.LuxCreo.com](http://www.LuxCreo.com)



## About Us

LuxCreo is a leader in 3D printing solutions and committed to innovation, product excellence, and customer success. Providing fully integrated solutions with cloud connected 3D printers, AI-enabled printing software, and advanced materials, LuxCreo transforms the way businesses design and manufacture products in dental, industrial, consumer, and medical industries. Backed by Kleiner Perkins, LuxCreo is a privately held company with North American headquarters in the San Francisco Bay Area, and Asian headquarters in Beijing.



Connected



Agile



Flexible



Sustainable

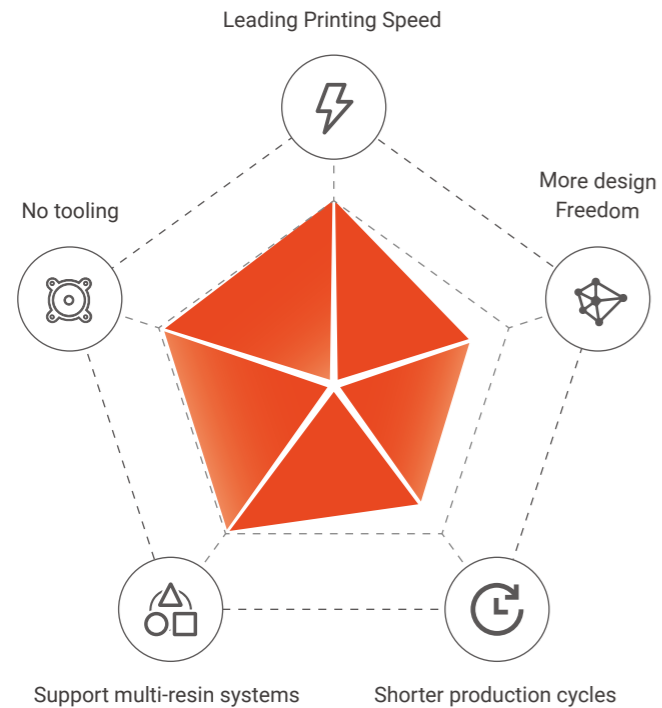
# Lux 3+ Dental

Printing Equipment

## Build Volume

Lux 3+ Dental: 293 mm x 165 mm x 100 mm

The Lux 3+ Dental is LuxCreo's upgraded ultra-fast, industrial 3D printer built for the production environment. Leverage the power of the Lux 3+ Dental for the dental industry.



## Lux 3+ Dental

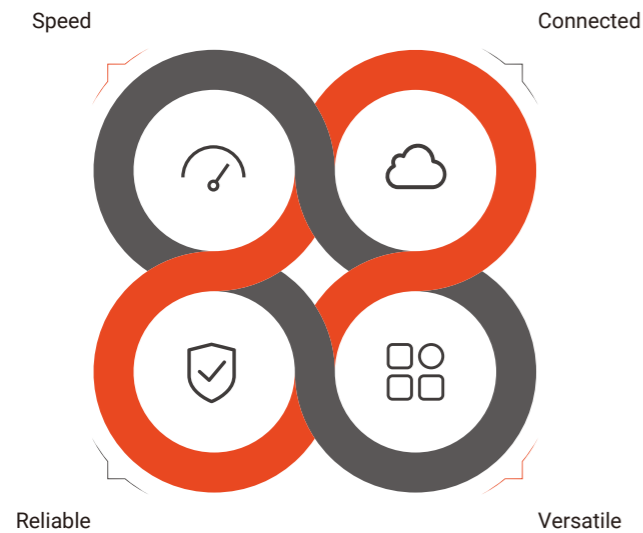
Build Area	
Build Volume	293mm*165mm*100mm
Resolution	76.5 μm
Release Membrane	LEAP™
Layer Thickness	0.020-0.15mm
Printing Speed	Resin and mode dependent
Projector Properties	
Stereolithography	DLP
Array	3840 x 2160
UV Wavelength	405 nm
Uniformity	97%
Dimensions	
Dimensions WLH	850x780x1865 mm/33.5"x31"x73.4"
Weight	250 kg
Interface	11.6" Touch Screen
Functions	
Button	Start / Reset / E-stop
Door Control	Automatic
Resin Heating	Up to 50°C
Printing Monitoring	2 x Cameras
Environmental Sensor	Temperature, Humidity, Device Level

# iLux Dental Series

World's Fastest Desktop 3D Printers

The iLux Dental series of desktop printers offers fast, accurate printing. The iLux Pro printers are able to print clear aligner resins with faster speed.

- ◆ The iLux & iLux Pro printers pack industrial performance in a compact desktop size.
- ◆ The iLux Pro redefines the limits of desktop printers, printing high viscosity materials.



	iLux Dental	iLux Pro 8.9 Dental
<b>Build Area</b>		
Build Area	192*120*100mm /7.5"x4.7"x4.5"	192*120*100mm/7.5"x4.7"x4.5"
Resolution	50µm	50µm
Release Membrane	FEP	<b>LEAP™</b>
Layer thickness	0.020-0.15mm	0.020-0.15mm
<b>Projector Properties</b>		
Stereolithography	LCD 4K	LCD 4K
Array	3840 x 2400	3840 x 2400
LED Wavelength	LED 405nm	LED 405nm
<b>Dimensions</b>		
Dimensions (WDH)	400*360*515mm/16"x14"x20"	400*360*565mm/16"x14"x22"
Weight	31.5 kg	35 kg
Interface	7" Touch Screen	7" Touch Screen
Button	Start/Power	Start/Power
Connectivity	USB Host, Wifi	USB Host, Wifi
<b>Functions</b>		
Resin Heating	No	Up to 45°C
Status Sensor	Door Staus, QR code	Resin Level, Door Status, Resin Temperature, QR code scanning
Environmental Sensor	Temperature, Device Level	Temperature, Device Level



## Dental

Produce aligners, surgical guides, gingival masks, retainers and night guards.

Assist technicians, clinics, and orthodontic labs in providing customized solutions tuned to each patient.



## DNG

DNG enables the direct printing of retainers, night guards, and dental splints with a clear material and minimal post processing.

Uniquely engineered for 3D printing at high speeds to enable maximum throughput. DNG possesses industry-leading toughness and biocompatibility. Launching exclusively with our Lux 3 printer.

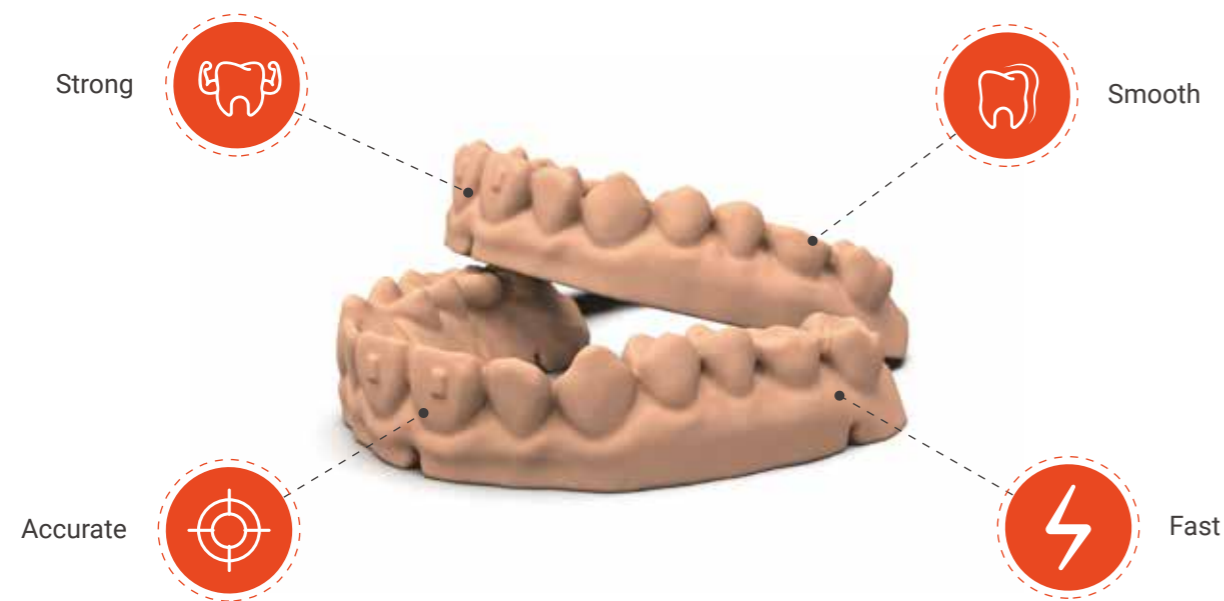


Tensile Properties, ASTM D638	Metric	U.S.
Tensile Modulus	2127 MPa	308.5 ksi
Ultimate Tensile Strength	39 MPa	5.8 ksi
Elongation at Break	14.0 %	14.0 %
Impact Properties, ASTM D256	Metric	U.S.
Notched Izod, 23°C	36.7 J/m	0.69 ft-lbf/in

Flexural Properties, ASTM D790	Metric	U.S.
Flexural Strength	80 MPa	11.7 ksi
Flexural Modulus	2037 MPa	295.4 ksi
General Properties	Metric	
Shore Hardness, ASTM D2240	82D	
Density, ASTM D792	1.143 g/cm <sup>3</sup>	

## DMR

DMR is a rigid material designed to create highly accurate dental models with low shrinkage. Perfect for thermoforming, DMR is designed to produce models for crowns, bridges, implants, and aligners.



Tensile Properties, ASTM D638	Metric	U.S.
Tensile Modulus	2750 MPa	398.8 ksi
Ultimate Tensile Strength	50 MPa	7.3 ksi
Elongation at Break	3.2 %	3.2 %
Impact Properties, ASTM D256	Metric	U.S.
Notched Izod, 23°C	19.1 J/m	0.36 ft-lb/in

Flexural Properties, ASTM D790	Metric	U.S.
Flexural Strength	100 MPa	14.5 ksi
Flexural Modulus	3650 MPa	529.4 ksi
General Properties	Metric	
Shore Hardness, ASTM D2240	86D	
Density, ASTM D792	1.1274 g/cm <sup>3</sup>	

## DSG

DSG is designed for the fast, highly accurate production of surgical guides. With industry-leading flexural stiffness and strength, DSG is ideal for precise orthodontic work that require tailored angle and depth.



Tensile Properties, ASTM D638	Metric	U.S.
Tensile Modulus	2950 MPa	427.8 ksi
Ultimate Tensile Strength	70 MPa	10.2 ksi
Elongation at Break	4.1 %	4.1 %
Impact Properties, ASTM D256	Metric	U.S.
Notched Izod, 23°C	19.4 J/m	0.364 ft-lb/in

Flexural Properties, ASTM D790	Metric	U.S.
Flexural Strength	125 MPa	18.1 ksi
Flexural Modulus	3500 MPa	507.5 ksi
General Properties	Metric	
Shore Hardness, ASTM D2240	85D	
Density, ASTM D792	1.1191 g/cm <sup>3</sup>	

## Headquarters

Silicon Valley ● 

### North America Headquarters

---



+1(650)336-0888



info@luxcreo.com



www.LuxCreo.com



LuxCreo Inc. 940 Old County Rd Belmont, CA 94002

