

The #1 3D Digital Dental Printing system in the world!



World's First FDA Class II 510 (k) Direct Print Clear Aligner



A Complete, Tailored, Integrated, Workflow



Optimized materials

Simple, automated software

iLux Pro Dental 3D Printing Solution

LuxCreo's iLux Pro Dental is a desktop DLP 3D printer that offers high performance functionality with industrial-grade resolution and printing speed, which is ideal for rapid printing of dental industry.

Equipped with LEAP™ platform, LuxCreo has developed resin materials for orthodontic appliances such as dental models, splints / night guards, and retainers and clear aligners of high resolution, superb transparency, yet low cost. The iLux Pro Dental is also compatible with third party resins to meet various printing requirements of dental industry.

The iLux Pro Dental is connected to LuxCreo's software ecosystem to realize smart operations such as lightweight design, high-speed slicing, device interconnection, and smart factory management.

• SYSTEM SPECIFICATIONS

Build Volume (XYZ)	192 x 108 x 200 mm (7.6 x 4.3 x 7.9 in)
Pixel Pitch (XY)	50 µm
Wavelength	385 nm
3D Printer Uncrated (WxDxH)	457 x 551 x 551 mm (18 x 21.7 x 21.7 in)
3D Printer Door Open (WxDxH)	457 x 583 x 698 mm (18 x 23 x 27.5 in)
3D Printer Uncrated Weight	35.5 kg (78.3 lbs)
Certifications	FCC, CE, UL
Warranty	12 months manufacturer's warranty included Extended warranty options available

• MATERIALS

Compatible Materials	LuxCreo: DSG, DMR III, DNG, DCA, DCA PLUS, DCA Pro, FPD Keyprint: KeyOrtho IBT, KeySplint Soft, KeyMask, KeyGuard Glidewell: Modeling Resin, TuffSplint Dreve: FotoDent IBT, FotoDent tray2, FotoDent guide, FotoDent gingiva PacDent: Rodin Denture Base 2.0, Titan, Sculpture 2.0, Try-In Desktop Health: Flexcera Base Ultra+, Flexcera Smile Ultra+, E-SepFree DETAX: FREEPRINT Crown
----------------------	---

• SUGGESTED OPERATING ENVIRONMENT

Adapter Input Voltage	100-240 VAC, 50/60 Hz, 195 W
Power Supply	19Vdc/13.15A

• SOFTWARE AND NETWORK

Software	LuxFlow, LuxDesign
Connectivity	USB / Ethernet / WiFi

Digital Polishing™

Digital Polishing™ is a revolutionary LuxCreo solution, enabling incredibly clear appliances direct from the printer without the manual polishing required from competing solutions.



3x
Revenue with
same workforce



80%
Higher clarity



75%
Reduction in
polishing time





Supported Resin Materials



Aligner / Retainer

LuxCreo **LuxCreo**

DCA **DCA Pro**

LuxCreo DCA LuxCreo DCA Pro

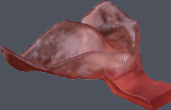


Sportsguard

keystone

keyprint KeyGuard

keyprint KeyGuard

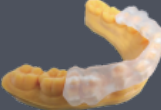


Impression Tray

Dreve

Dentamid FotoDent Tray2

Dentamid FotoDent Tray2



IBT

keystone **Dreve**

keyprint KeyOrtho IBT **Dentamid FotoDent IBT**

keyprint KeyOrtho IBT Dentamid FotoDent IBT



Gingiva Mask

Dreve **keystone**

Dentamid FotoDent gingiva **Keyprint KeyMask**

Dentamid FotoDent gingiva Keyprint KeyMask



Crown & Bridge

detax **PacDent**

DETAX FREEPRINT Crown **RODIN Sculpture 2.0**

DETAX FREEPRINT Crown RODIN Sculpture 2.0



All-on-X / Denture Teeth

Desktop Health **PacDent**

Flexcera Smile Ultra + **Rodin Titan**

Flexcera Smile Ultra + Rodin Titan



Denture Base

Desktop Health **PacDent**

Flexcera Base Ultra + **Rodin Denture Base 2.0**

Flexcera Base Ultra + Rodin Denture Base 2.0



Try-In

PacDent

RODIN TRY-IN

RODIN Try-In

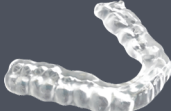


Surgical Guide

LuxCreo **Dreve**

LuxCreo DSG **Dentamid FotoDent guide**

LuxCreo DSG Dentamid FotoDent guide



Nightguard

LuxCreo **keystone** **Gildewell**

LuxCreo DNG **Keyprint KeySplint Soft** **Gildewell TuffSplint**

LuxCreo DNG Keyprint KeySplint Soft Gildewell TuffSplint



Ortho Model

LuxCreo **Gildewell** **Desktop Health**

LuxCreo DMR III **Gildewell Modeling Resin** **Desktop Health E-SepFree**

LuxCreo DMR III Gildewell Modeling Resin Desktop Health E-SepFree



iLuxWash Dental



iLuxWash Dental enhances the ultrasonic cleaning process by adding a magnetic-driven impeller stirring function. This rapidly agitates the cleaning solution during ultrasonic cleaning while also featuring a heating function, making it more effective in removing residual resin from printed parts.

Driven by a focus on improving user experience, the fully-automatic intelligent operating system enables unattended and automatic operations. This helps prevent distortion issues that may arise from over-soaking printed parts, making iLuxWash Dental the best choice in the dental and medical fields.

• SYSTEM SPECIFICATIONS

Washing Volume(XYZ)	158 x 158 x 148 mm(6.2 x 6.2 x 5.8 in)
Exterior Dimension Uncrated	200 x 488 x 418 mm(7.9 x 19.2 x 16.5 in)
Exterior Dimension Crated	335 x 615 x 525 mm(13.2 x 24.2 x 20.7 in)
Uncrated Weight	21.8 kg(48.06 lbs)
Crated Weight	25.8 kg(56.88 lbs)
Heating Temperature	≤ 60°C (140 °F)
Certifications	CE, FCC

• SUGGESTED OPERATING ENVIRONMENT

Temperature	22-32 °C (72-90 °F)
Humidity (RH)	< 80%
Power Requirement	100-120 VAC, 50/60 Hz, 600 W 200-240 VAC, 50/60 Hz, 600 W



iLuxCure Pro



iLuxCure Pro offers best user experience and convenience by providing unique upward and downward high intensity lighting, heating function, and 360° curing coverage. It is ideal for dental and medical, industrial, and R&D applications.

• SYSTEM SPECIFICATIONS

Curing Volume (XYZ)	Φ200 x 200 mm (Φ7.9 x 7.9 in)
Exterior Dimensions Uncrated	320 x 361 x 460 mm (12.6 x 14.2 x 18.1 in)
Uncrated Weight/Crated Weight	23 kg (50.71 lbs)/28 kg(61.73 lbs)
Wavelength	405 + 385 nm
Uniformity	≥ 95% w/ turntable
Heating Temperature	≤ 60°C (140 °F)
Certifications	CE, FCC

• SUGGESTED OPERATING ENVIRONMENT

Temperature	22-32 °C (72-90 °F)
Humidity (RH)	< 80%
Input Voltage	AC 100-120V, 50/60Hz, 9A / AC 200-240V, 50/60Hz, 4.5A



LuxOven Pro



LuxOven Pro is the latest addition to LuxCreo's post-processing equipment lineup, designed to enhance the efficiency of aligner/retainer end to end workflow from 3 hours to 2 hours.

Shorter duration of workflow unlocks the possibility of "Same Day Dentistry" for chairside use.

• SYSTEM SPECIFICATIONS

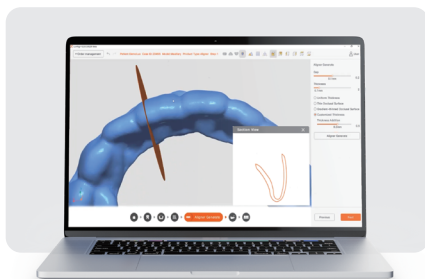
Curing Volume (XYZ)	177 x 177 x 80 mm (7 x 7 x 3.2 in)
Exterior Dimensions Uncrated	329 x 246 x 255 mm (13 x 9.7 x 10 in)
Uncrated Weight/Crated Weight	3.5 kg(7.7 lbs) / 5 kg(11 lbs)
Temperature Control	80-200°C, with 5°C per click
Time Control	0-120 min, with 1 minute per click

• SUGGESTED OPERATING ENVIRONMENT

Temperature	22-32 °C (72-90 °F)
Humidity (RH)	< 80%
Input Voltage	AC 100-120V, 50/60Hz, 10A / AC 200-240V, 50/60Hz, 6.1A

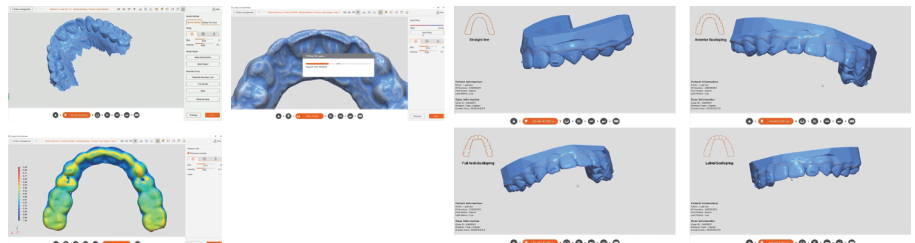


LuxDesign



LuxDesign enables automatic aligner/retainer shell generation; LuxDesign helps orthodontists and dentists easily transfer from dental model design to clear aligner/retainer design. Together with the printing software, LuxFlow, which has functions specially developed for dental, allows users to finish the design smoothly and send to dental desktop printers for direct printing.

Ask us about our treatment capabilities.

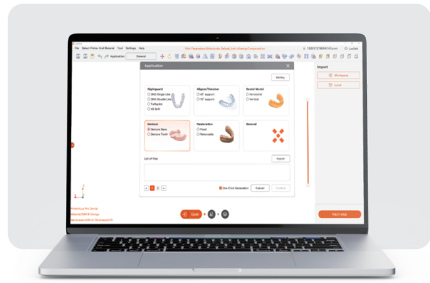


Minimum Configuration

Operating System	Windows 10 64-bit operating system
CPU	Core i5 CPU@2.40GHz (AMD not recommended)
Memory	16GB
Graphics Card	NVIDIA GeForce RTX 20 Series Discrete graphics card
HD	SSD 500G or above

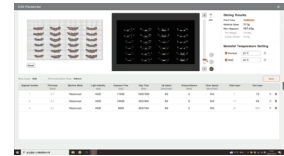
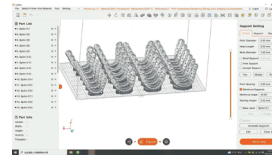
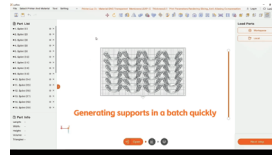
Recommended Configuration

Operating System	Windows 10 64-bit operating system
CPU	Core i7 CPU@3.0GHz or above (AMD not recommended)
Memory	32GB or above
Graphics Card	NVIDIA GeForce RTX 40 Series Discrete graphics card or above
SSD	SSD 500G or above

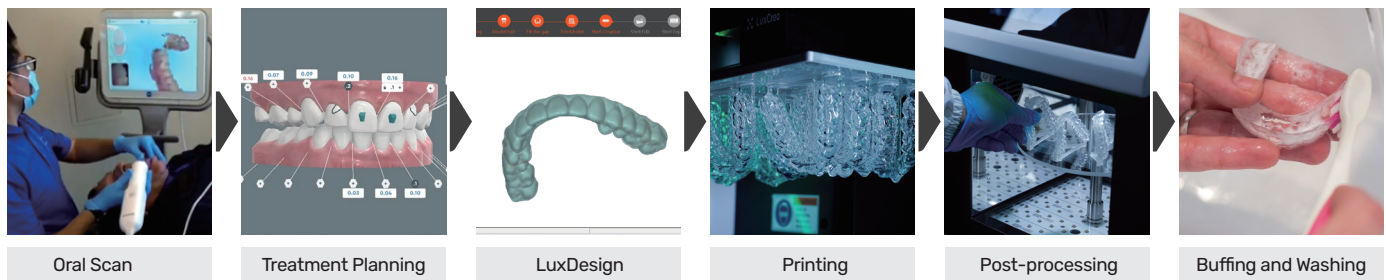


LuxFlow is an automated software featuring highly customized functions including model processing, support generation, and slicing for different dental models.

Compared with other pre-processing software, LuxFlow is featured with its customized functions for targeted industries such as dental, footwear, eyewear, and elastic printing. Based on the technical knowhow from mass production of different applications, LuxFlow serves as the best tool to prepare your 3D model in less time, with less material, and at a higher printing success rate.



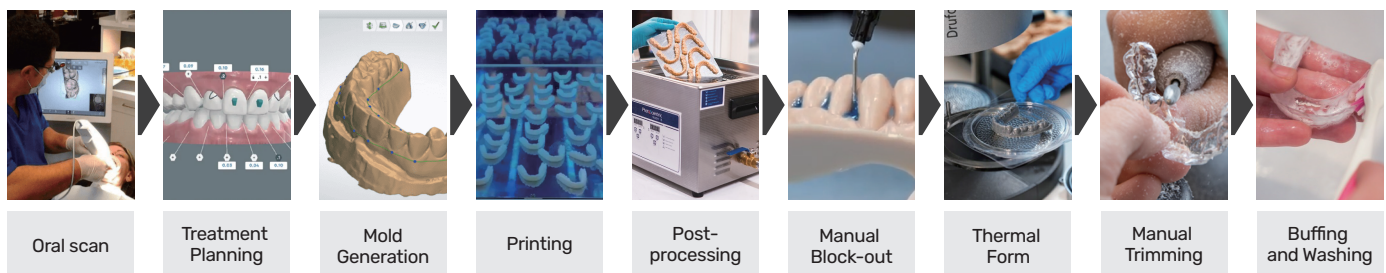
Direct Print Aligner and Retainer Workflow



Total Active Labor Per Aligner

1.5 min

Thermoforming Workflow



Total Active Labor Per Aligner

5.5 min

10x^{*}

Labor Productivity

3-10x

Grow your business^{*}
with same workforce!

*Compared to manual aligner production and manual polishing

North America Headquarter

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

www.LuxCreo.com

350 W. Ontario Street, Suite 700, Chicago, IL 60654

