



Less than 45 in of table space required

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



## 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. iLux Pro Dental is also compatible with third party resins to meet various printing requirements of dental industry.

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.

## A Complete, Tailored, Integrated, Workflow



Optimized materials

Simple, automated software

### • 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	<b>LuxCreo:</b> DSG, DMR III, DNG, DCA <b>Keystone:</b> KeyOrtho IBT, KeySplint Soft <b>Glidewell:</b> Modeling Resin, TuffSplint <b>Dreve:</b> FotoDent IBT, FotoDent tray2, FotoDent guide, FotoDent gingiva <b>Rodin:</b> Denture Base 2.0, Titan, Sculpture 2.0 <b>Flexcera:</b> Base Ultra+, Smile Ultra+ <b>DETAX:</b> FREEPRINT temp
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### • 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



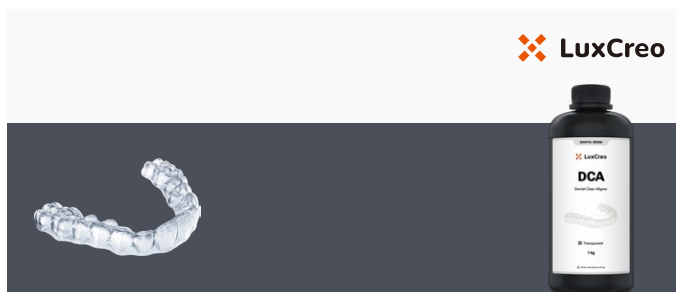
**80%**  
Higher clarity



**75%**  
Reduction in  
polishing time



# Supported Materials Resins



Aligner / Retainer

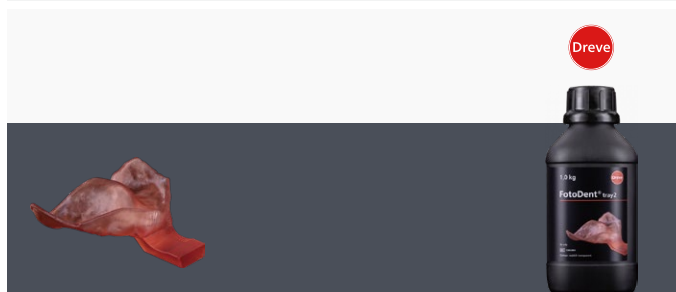
LuxCreo  
DCA



Dental Model

LuxCreo  
DMR III

Glidewell  
Modeling Resin



Impression Tray

Dreve  
FotoDent Tray2



Indirect Bonding Tray

Keystone  
Keyortho IBT

Dreve  
FotoDent IBT



Gingiva

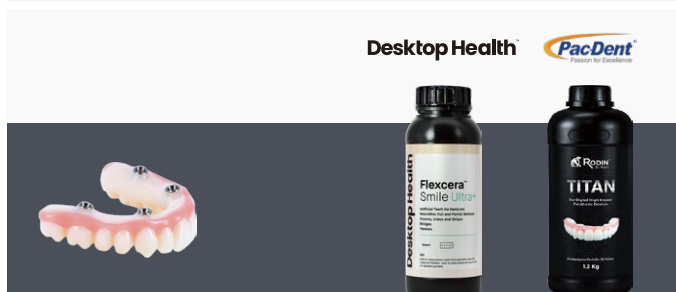
Dreve  
FotoDent gingiva



Crowns & Bridge

DETX  
FREEPRINT temp

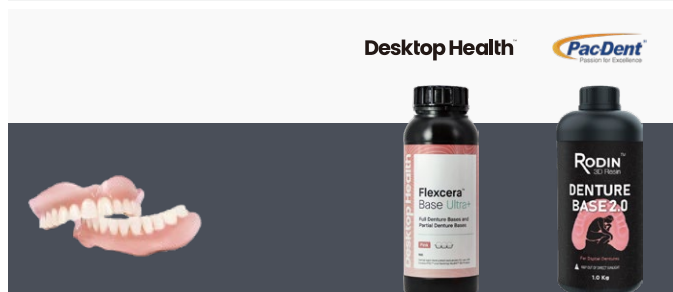
Rodin  
Sculpture 2.0



Denture Teeth

Desktop Health  
Flexcera  
Smile Ultra +

PacDent  
Rodin  
Titan



Denture Base

Desktop Health  
Flexcera  
Base Ultra +

PacDent  
Rodin  
Denture Base 2.0



Splint

LuxCreo  
DNG

Keystone  
KeySplint Soft

Glidewell  
TuffSplint

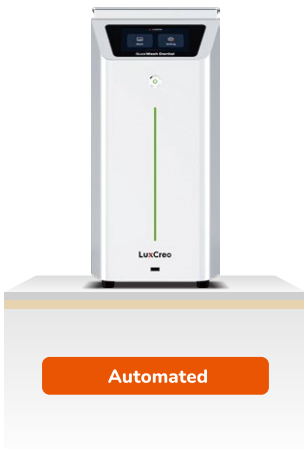


Surgical Guide

LuxCreo  
DSG

Dreve  
FotoDent guide

## 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 kg(46.3 lbs)
Crated Weight	25.5 kg(56.2 lbs)
Heating Temperature	≤ 60°C (140 °F)

### • 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.

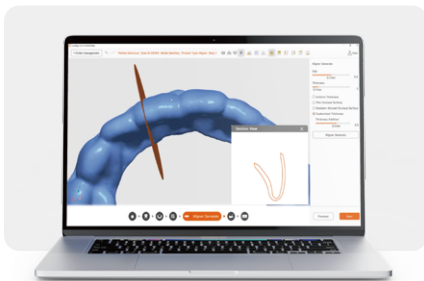
### • SYSTEM SPECIFICATIONS

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	21.5 kg (47.4 lbs)
Wavelength	405 + 385 nm
Uniformity	≥ 95% w/ turntable
Heating Temperature	≤ 60°C (140 °F)

### • SUGGESTED OPERATING ENVIRONMENT

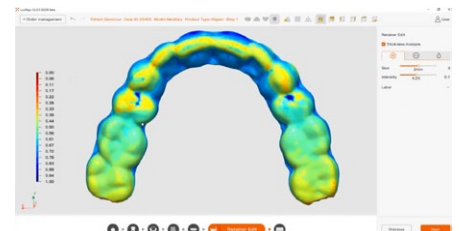
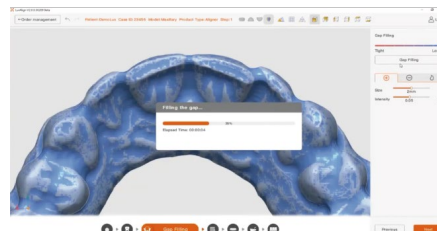
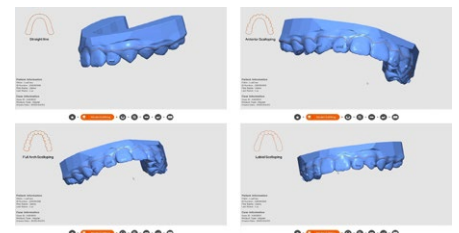
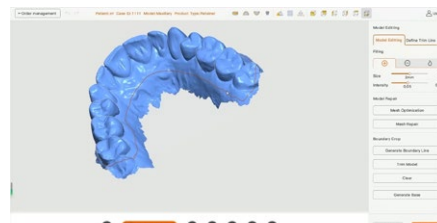
Temperature	22-32 °C (72-90 °F)
Humidity (RH)	< 80%
Input Voltage	AC 100~120V, 50/60Hz, 9A AC 200~240V, 50/60Hz, 4.5A

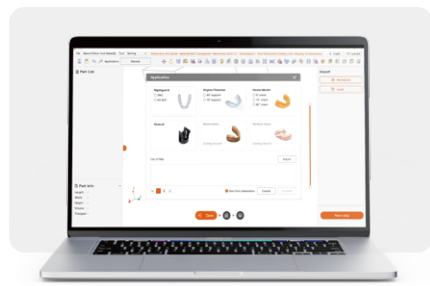
## LuxDesign



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.

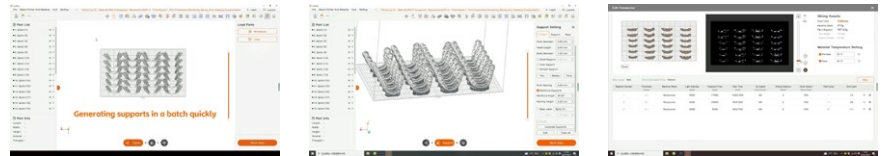
**Ask us about our treatment capabilities.**



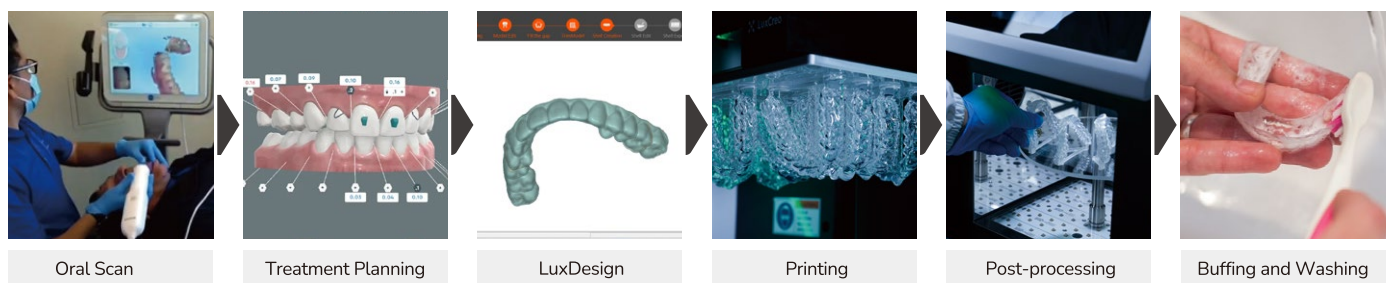


LuxFlow is an automated software featuring highly customized functions including model processing, support generation, and slicing for different dental models.

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.

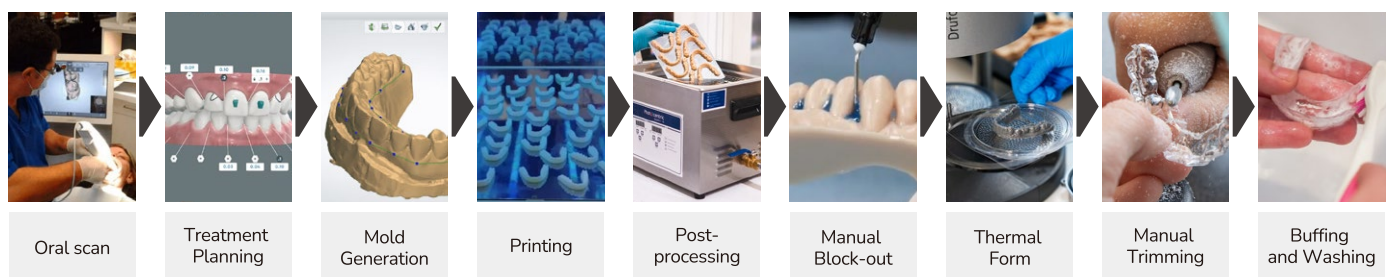


**Direct Print Aligner and Retainer Workflow**



**Total Active Labor Per Aligner 1.5 min**

**Traditional Thermoformed 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

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