



Less than 45 in of table space required

World 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. 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.

• 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

Keystone: KeyOrtho IBT, KeySplint Soft

Glidewell: Modeling Resin, TuffSplint

Dreve: FotoDent IBT, FotoDent tray2, FotoDent guide, FotoDent gingiva

Rodin: Denture Base 2.0, Titan, Sculpture 2.0

Flexcera: Base Ultra+, Smile Ultra+

DETAX: FREEPRINT temp

• 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.



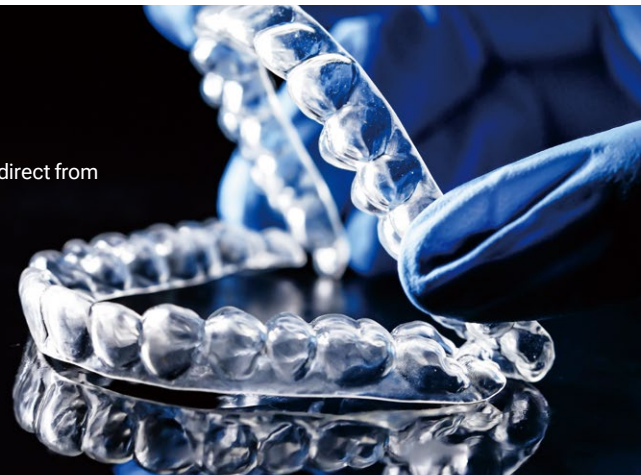
3x
Revenue with
same workforce



80%
Higher clarity






75%
Reduction in
polishing time





Supported Materials Resins

 **LuxCreo**





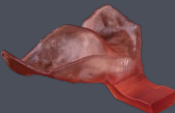
Aligner / Retainer **LuxCreo DCA**

 **LuxCreo**  **Gildewell**



Dental Model **LuxCreo DMR III** **Gildewell Modeling Resin**





Impression Tray **Drewe FotoDent Tray2**

 **keystone** 



Indirect Bonding Tray **Keystone Keyortho IBT** **Drewe FotoDent IBT**





Gingiva **Drewe FotoDent gingiva**

 **DETAx**  **PacDent**



Crowns & Bridge **DETAx FREEPRINT temp** **Rodin Sculpture 2.0**

 **Desktop Health**  **PacDent**



Denture Teeth **Flexcera Smile Ultra +** **Rodin Titan**

 **Desktop Health**  **PacDent**



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

 **LuxCreo**  **keystone**  **Gildewell**



Splint **LuxCreo DNG** **Keystone KeySplint Soft** **Gildewell TuffSplint**

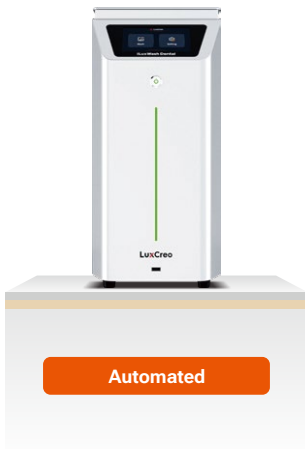
 **LuxCreo** 



Surgical Guide **LuxCreo DSG** **Drewe 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

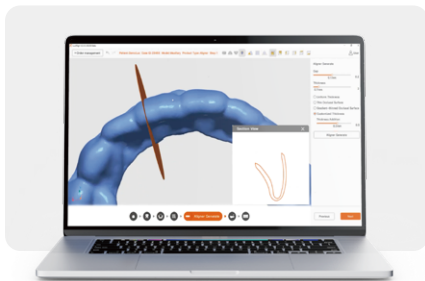
Curing Volume (XYZ)	Φ200 x 200 mm (Φ7.9 x 7.9 in)
Exterior Dimensions Uncrated	320 x 361 x 460 mm (12.6 x 14.2 x 18.1 in)
Uncrated Weight	21.5 kg (47.4 lbs)
Wavelength	405 + 385 nm
Uniformity	≥ 95% w/ turntable
Heating Temperature	≤ 60°C (140 °F)

• 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

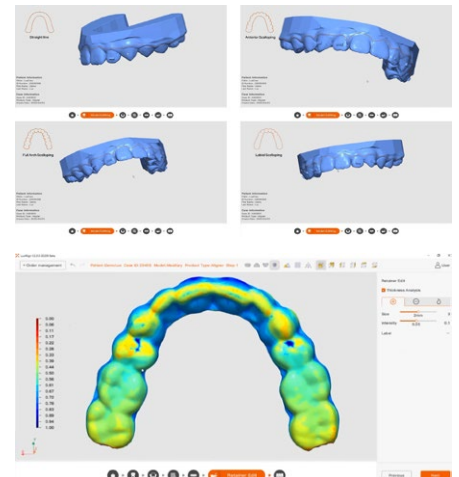
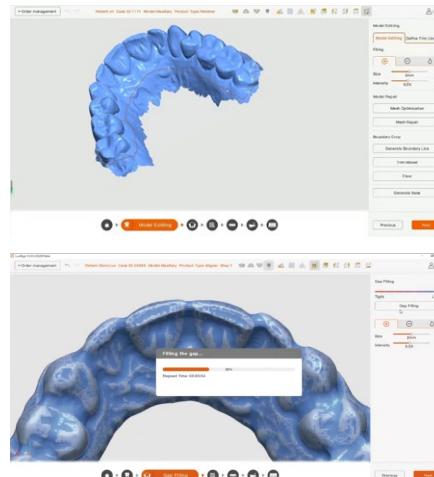


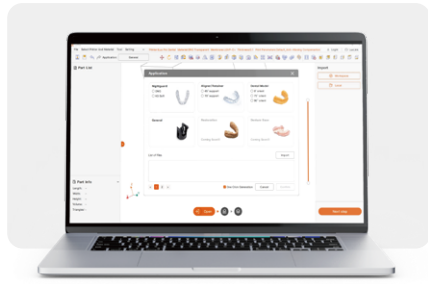
LuxDesign



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.

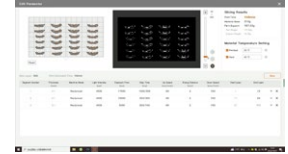
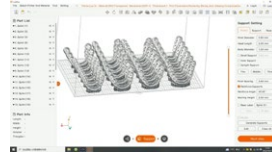
Ask us about our treatment capabilities.



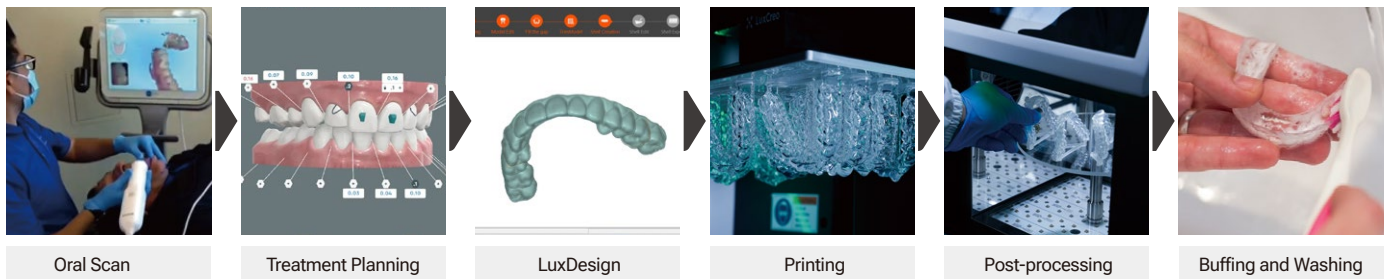


LuxFlow is an automated software featuring highly customized functions including model processing, support generation, and slicing for different dental models.

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.



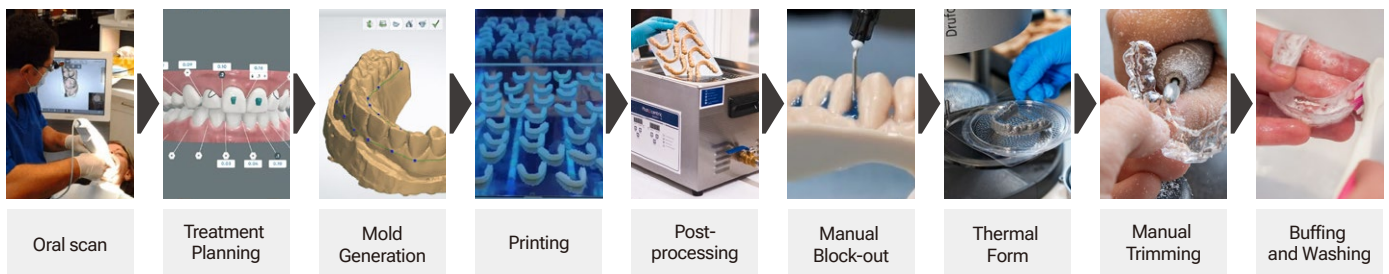
Direct Print Aligner and Retainer Workflow



Total Active Labor Per Aligner

1.5 min

Traditional Thermoformed Workflow



Total Active Labor Per Aligner

5.5 min

10x* Labor Productivity

*Compared to manual aligner production and manual polishing

3-10x Grow your business*
with same workforce!

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