

AccuFab-L4D 3D Printer

Lit Up For Dentistry



SHINING3DDENTAL.COM

AccuFab-L4D

Multi- format Dental 3D Printer

AccuFab-L4D/L4K is the latest addition to the SHINING 3D family digital solutions. It is a large-format dental 3D printer developed completely in-house by SHINING 3D to make 3D printing solution more accessible to everyone. It brings users an exceptionally unique printing experience with its features like light-weight, large print size and user-friendly operation.



Connecting the Future

Link Aoralscan with AccuFab

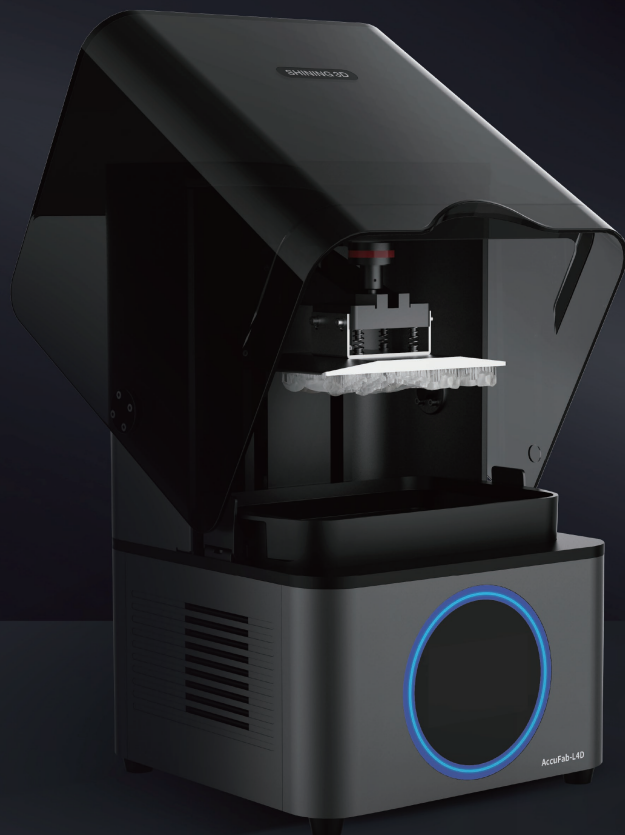
SHINING 3D intraoral scanner, 3D printer and dental material ecosystem provides exceptional experience in digital dentistry.

AccuDesign

Life-time free upgrade model creator software that comes with AccuFab-L4D/L4K.

Dental Cloud

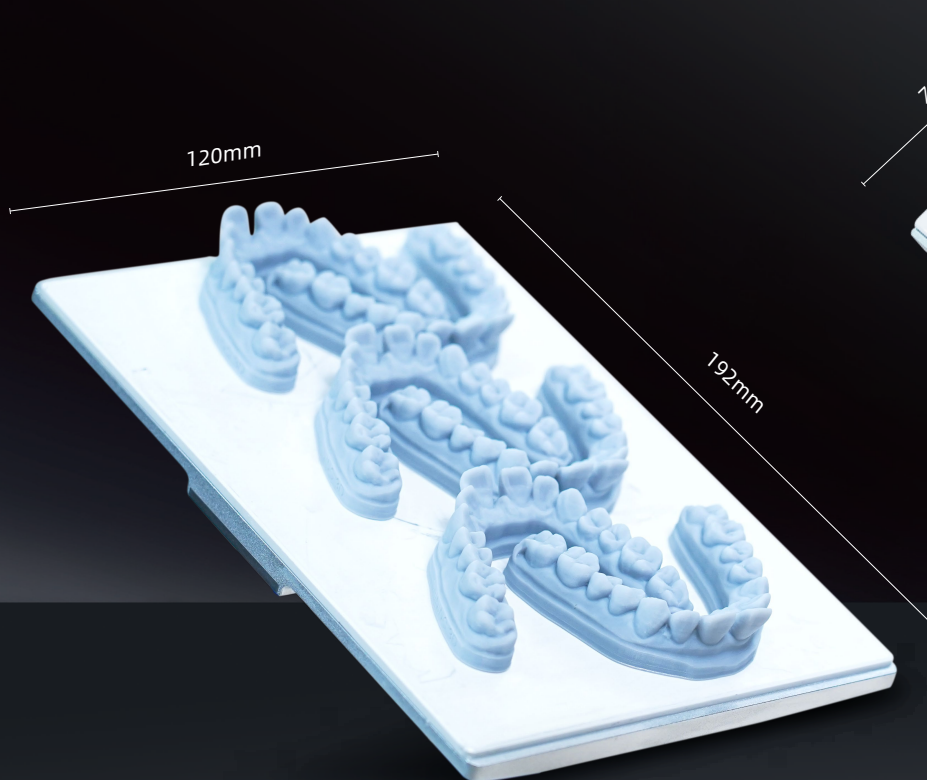
SHINING 3D's cloud data platform enables data transmission, making it convenient for data transfer and communication between clinics and dental labs.





Variable Print Size, 4K Resolution

70*70mm & 192*120mm printing size and 4K resolution satisfy the demands of users for efficiency and details.





Small Resin Tank

Enhancing Accuracy and Reliability

Introducing New Film Technology

Our innovative film technology, combining with a ceramic platform, ensures unparalleled printing accuracy and unwavering stability, eliminating residues and outliers.

Exceptional Longevity

The compact resin tank boasts an impressive lifetime of up to 120,000 layers, allowing for extended printing sessions with numerous successful prints.

Optimum size for chairside

With a minimum starting size of 200ml and a maximum of 350ml, our system is perfectly tailored for producing small yet high-value resin prints.

Small resin tank for
AccuFab-L4D

- Size: 314 x 205 x 44mm
- Tank volume: min 200ml, max 350ml





Small Ceramic Platform

Enhancing Biocompatibility

Our biocompatible material has been meticulously engineered to provide robust support for Class II and higher-grade resins.

Precision in Small-Scale Printing

Ideal for crown, bridge, and full arch printing. Our system excels in small-scale, high-value printing for chairside applications within clinical settings. The small ceramic platform can print up to 16 posterior crowns or 2 full arches, meet the daily use for clinic.

Residue-Free Printing

The smooth surface of our technology prevents excess residue from adhering, ensuring a hassle-free and efficient cleaning process.

Superior Durability

Extended lifespan of over 2 years compared to aluminum platforms. Our high-hardness platform offers both model printing stability and greater resistance to damage during cutting operations, guaranteeing a longer-lasting performance.



Small Ceramic Platform for AccuFab-L4D

- Size: 86 x 80 x 100mm
- Ceramic size: 80 x 80mm
- Printable area: 70 x 70 x 150mm



Reliable Performance

Industrial Grade Optical

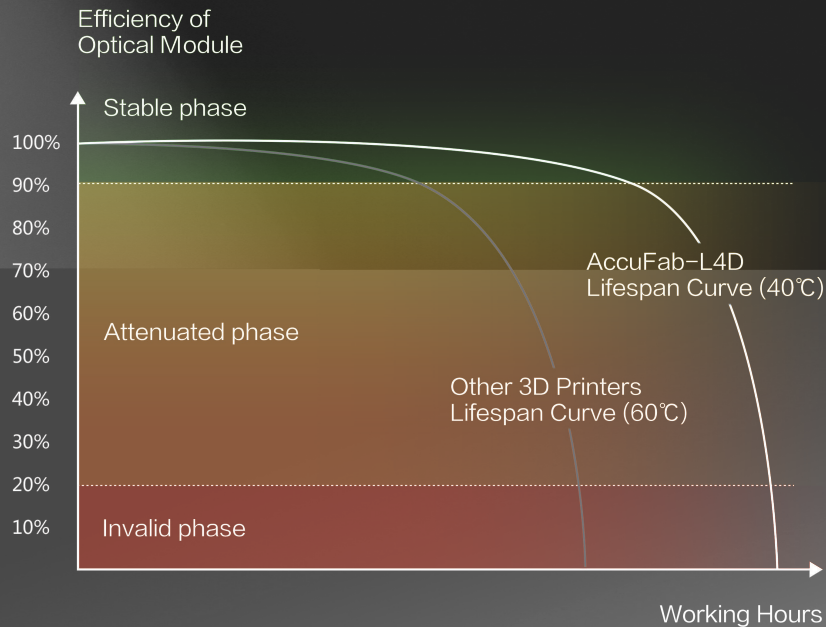
High quality optical module with long-life components.

State-of-the-Art Robustness

AccuFab-L4D's 5 million layers tested in real dental clinic condition provides state-of-the-art reliability.

District Cooling System

DCS (District cooling system) maintains the temperature of working screen under 40°C, while extending the 3D printer lifespan significantly.





Unparalleled Accuracy

Accurate Precise

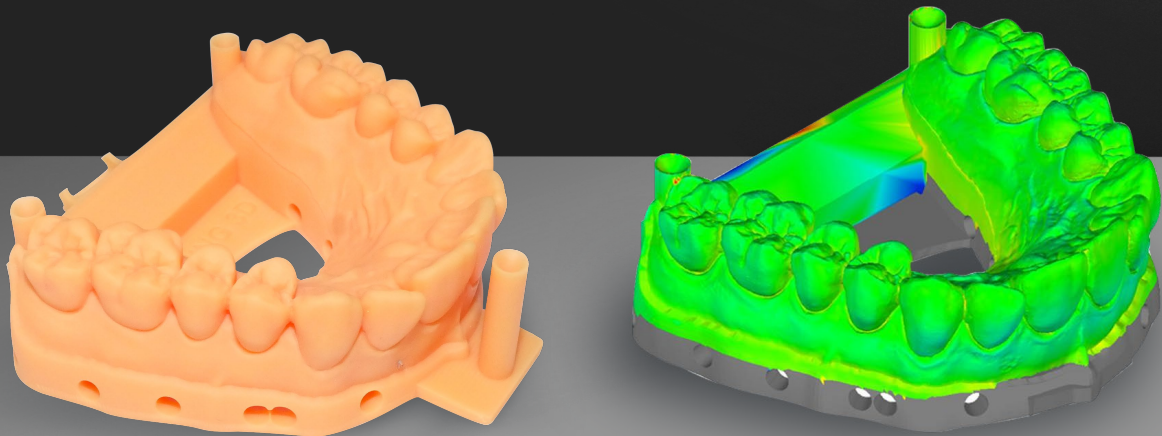
Over 96% of the surface points fits within $\pm 0.1\text{mm}$

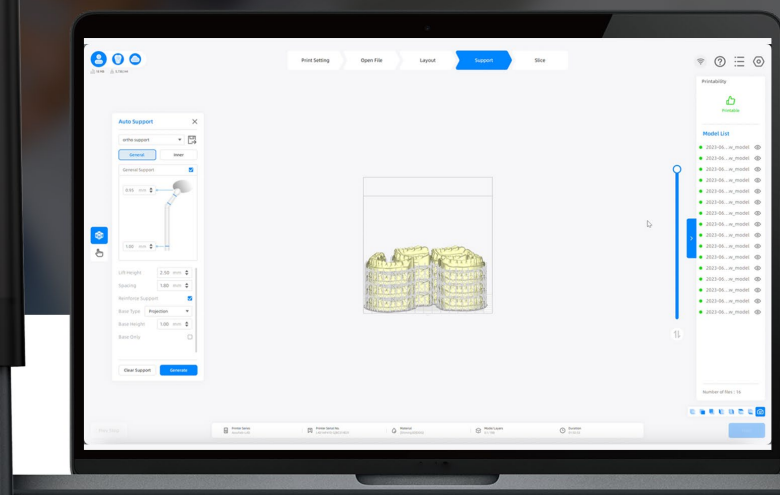
Outstanding Uniformity

High luminance uniformity achieves up to 90%

Beyond the Limits

Provides not only the possibility to obtain features smaller than a pixel, but also superior surface finish.







Multiple Material Options

Shining Dent

Shining Dent covers a wide range of materials for dental 3D printing applications.

Certified 3rd Party Material

SHINING 3D partners with industry leading brands in dental material, providing more possibility and flexibility.

keystone
INDUSTRIES

Graphy

+ SAREMCO

NextDent

DETAX

PacDent
Passion for Excellence

BEGO

DMG

dentona

BASF
We create chemistry

Dreve

pro3d
medica

LIQCREATE





Professional Slicing Software

Built-In Design Software

Shining Design Modules including CreSplint, CreIBT, AccuDesign, CreTemp has been built into Accuware for a ease to use and a smooth process.

GO to PRINT, models can be automatically imported and work through an AI process.

Magic Click

Allows multiple one-click printing on different dental applications, such as restorations, C&B, splint, surgical guide, orthodontic models, etc. Providing intelligent AI algorithm for auto layout, auto support and auto slice.

Printer On Cloud

Built-in access for Dental Cloud in Accuware. Monitor and Control your printer anywhere, anytime.





Advanced Printing Software

Activation in Printer

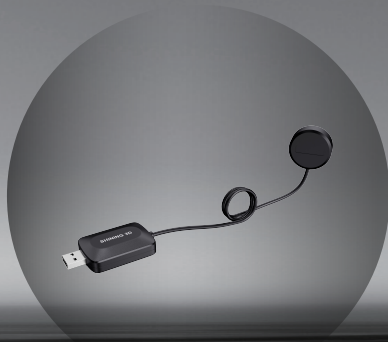
What you need to do to activate a printer is just a scan of the QR code.

Levelling Automation

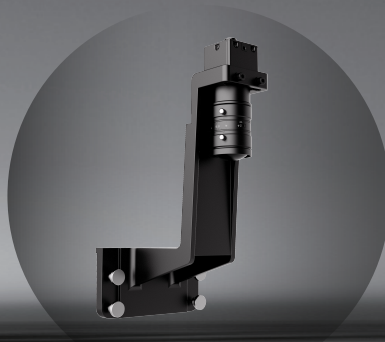
More detailed and operation guide showing on printer for a clearer view on accurate levelling.

Light Uniformity & Power Meter Adjusting

New version Fabware has upgraded to add the light uniformity and power checking function in printer, increasing the longevity of the printer and provides a more accurate printing under long time use.



(optional)



(optional)



TECHNICAL SPECIFICATIONS

AccuFab-L4D

Printer Size	360 x 360 x 530 mm
Printer Weight	about 19 kg
Print Volume (x/y/z)	70 x 70 x 150 mm / 192 x 120x 180 mm
Resolution	3840 x 2400(4K) Px
Print Speed	Max 50 mm/h (depends on layer thickness and materials)
Layer Thickness	50/75/100 μm
Accuracy	± 50 μm
Connectivity	USB/Wi-Fi/Ethernet

*Notice: SHINING 3D reserves the right to introduce modifications or alterations to any of the specifications and images used in this document.