

PRINT YOUR DENTAL IDEAS

AccuFab-L4D/L4K

AccuFab-D1s

Dental 3D Printers

FabWash

Automated Post-processing

FabCure 2

Light Curing Unit



SHINING 3D
DENTAL



Importers & Dealers in Quality Dental Goods

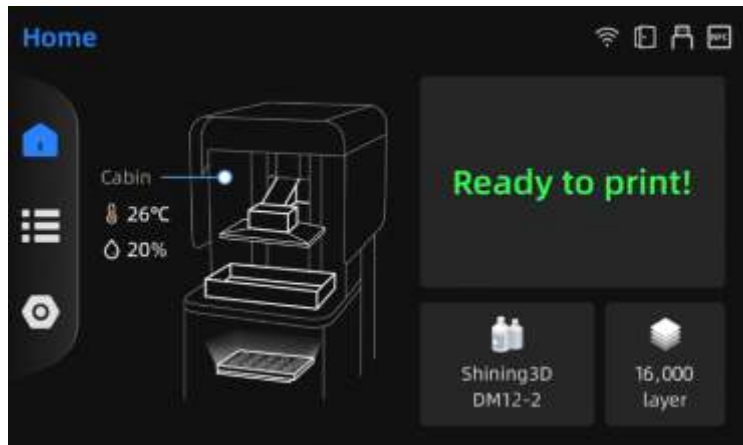
125TH YEAR

AccuFab-L4D/L4K

Large-format Dental 3D Printers

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.

AccuFab-L4D/L4K's comprehensive functions contribute to take users' dental digitization process up to another level. It supports different dental applications such as dental model, ortho model, surgical guide and so on.



In order to make the 3D printing technology more accessible for more users, AccuFab-L4D/L4K incorporates a number of intuitive designs to simplify the whole process from data preparation and slicing to operation and maintenance.

Guided Interactive Operation

5 steps: Print Setting-Open File-Layout-Support-Slice.

Link Between IOS and 3D Printer

Independently developed editing tool provides users with model editing functions, linking the scan and print process beyond expectation.

Automatic Calibration

Automatic calibration ensures stable and consistent printing.

Layer Preview

Preview the sliced data in advance to ensure successful printing.

200% Optical Efficiency

Optimized optical path configured to improve the optical efficiency to 200%; it only takes 25 minutes to print a full plate of 8 orthodontic models.

UVMP Technology *

Self-developed SHINING 3D technology, significant optimized printing accuracy.



Large Print Size, High Resolution

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



Cost-effective Investment

Compact and cost-effective AccuFab-L4D/L4K helps users accomplish easy digital transformation.



Multiple Material Options

SHINING 3D's SHINING DENT covers a wide range of resin materials for dental printing applications, like working model, ortho model, surgical guide, cast wax and gingiva mask.



User-friendly Operation

SHINING 3D's self-developed printing software AccuWare comes with a guided workflow to assist users through the printing process for an easy and convenient operation. It boasts of smart layout planning, one-click support generation and one-click printing, which make it quite easy to get started.



Technical Specifications

AccuFab-L4D/L4K

Printer Size	360 x 360 x 530 mm
Printer Weight	19 kg
Print Volume (x/y/z)	192 x 120 x 180 mm
Print Speed	max 50 mm/h ^[1]
Print Accuracy	± 50 µm
Layer Thickness	50 µm, 75 µm, 100 µm
Print Accuracy	3840 x 2400(4K) Px
Connectivity	USB/Wi-Fi/Ethernet

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

[2] Copyright © 2004- 2021 SHINING 3D Corporation, All Rights Reserved.

AccuFab-D1s

Printer Size	394 x 406 x 755 mm
Printer Weight	30 kg
Print Volume (x/y/z)	144 x 81 x 160 mm
Print Speed	max 50 mm/h ^[1]
Print Accuracy	±35 µm ^[2]
Layer Thickness	50 µm, 75 µm, 100 µm
DLP Native Resolution	1920 x 1080, 1080 p
Connectivity	USB / Ethernet / Wi-Fi

[1] The print speed varies and is directly related to the different types of materials or layer thickness.

[2] Measured by a certain method under certain environment.

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

Smarter Post-processing with FabWash

FabWash is the first fully automated, multi - stage part release, washing and drying system designed to provide the ease of use, consistency, speed and cleanliness demanded by modern dental 3D printing applications.

A Consistent, Automated Workflow

FabWash is pre-programmed for each material with an automatic process of part release, wash and dry. Once completed, FabWash automatically lifts parts and builds platforms out of the solvent. Parts and build platform are ready when you are.

Automated Part-release

Inspired by the latest input from the dental community, FabWash is designed for instant part release, eliminating the risk of damaging parts using traditional removal tools. FabWash prepares optimal motion logic for each material to deliver a superior, hassle-free part release experience.

One Size Fits All

The FabWash was designed to accept both AccuFab-L4D/L4K and AccuFab-D1s build platforms with the separate build platform adapter.

Never Think About Wash Time Setting Again

Use the pre-programmed wash settings or save your own frequently used custom profiles to improve post-processing efficiency. FabWash comes equipped with built in Wi-Fi connectivity which enables over-the-air updates to deploy the latest firmware and material library.



Easy Post Curing with FabCure 2

FabCure 2 is recommended as the standard post-curing tool for 3D printers from SHINING 3D. With FabCure 2, each resin cure profile is finely tuned to bring the part to its peak performance through precise heat and light. FabCure 2 precisely defines the post-processing steps of the printed object to ensure high precision and optimal material performance, while automating the process.

Smart Material Library

With the most up-to-date cloud-based smart material library, the FabCure 2 is always synchronized. The FabCure 2 is equipped with Wi-Fi which enables over-the-air updates to deploy the latest firmware and configurations. Your device learns from our process engineering experts all the time.

High Power Multi-stage Light Curing

From the sides and bottom, 30 multi-directional LEDs emit powerful UV light that instantly penetrates deep into the surface of the part, completely curing the printed object within a few minutes. With a power of 70W, these LEDs provide a high power curing cycle, ensuring an efficient curing process.

Rapid Chamber Heating

The ceramic heating module is integrated with multiple temperature sensors. The chamber heats up quickly to 60°C, contributing to the enhancement of mechanical and flexural properties. The FabCure 2 heating system precisely controls ambient temperatures to 60°C.

Customized Curing Parameter

With a larger curing volume of up to $\Phi 210\text{mm}$ and H180mm when compared to the original FabCure, FabCure 2 provides optimal curing parameters for Shining 3D resins, which can be updated via the wireless network. Customized curing parameter settings are supported.



Technical Specifications

FabWash

Printer Compatibility	AccuFab-D1s , AccuFab-L4D/L4K
Product Weight & Dimensions	15kg 34 x 30.3 x 45 cm Height when open: 75 cm
Bucket Volume	9.5L
Maximum Part Size	199 x 124 x 180 mm
Suggested Operating Environment	10°C~30°C / 30%~70%RH
Suggested Transportation Environment	-10°C~70°C
Agitation Method	Magnetically coupled impeller
Included Accessories	Wash Bucket / Wash Basket / Scraper / Brush / Adapter / Quick Guide
Power Requirements	100-240V / 2.0A 50/60 Hz 24V / 150 W
Compatible Solvent	>75% Alcohol, IPA, Water
Connectivity	Wi-Fi
User Controls	1.54 inch OLED & Rotary knob
Safety Sensors	Automatic start/stop sensors; Build platform detection sensor; Solvent bucket detection sensor; Safety pressure sensor; Emergency stop switch
Product Features	Automatic part release function; Automatic predefined wash/dry function User programmable wash/dry option

FabCure 2

Dimensions (W x D x H)	290mm x 290mm x 367.5mm
Weight	10.5kg
Operating Temperature	10°C~30°C
Curing Volume	Φ10mm H180mm
Max. Curing Temperature	60°C
Light Source	UV LED
Wavelength	385nm ~ 405nm
LED Power	70W
Power	AC 100-240V, 150W
Connectivity	Wi-Fi

[1] The print speed varies and is directly related to the different types of materials or layer thickness.

[2] Measured by a certain method under certain environment.

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