

The Future of Chairside Printing

Embrace The Future



AccuFab-F1

SHINING 3D
DENTAL

Ceramic Resin Printing

- More than 50% ceramic filler
- Dual Heating
- Highest Light Power Ever

Intelligentization

- Smart Control System
- Intelligent residue detection, maximizing tank Life



25 μm Printing Accuracy

2x Printing Speed

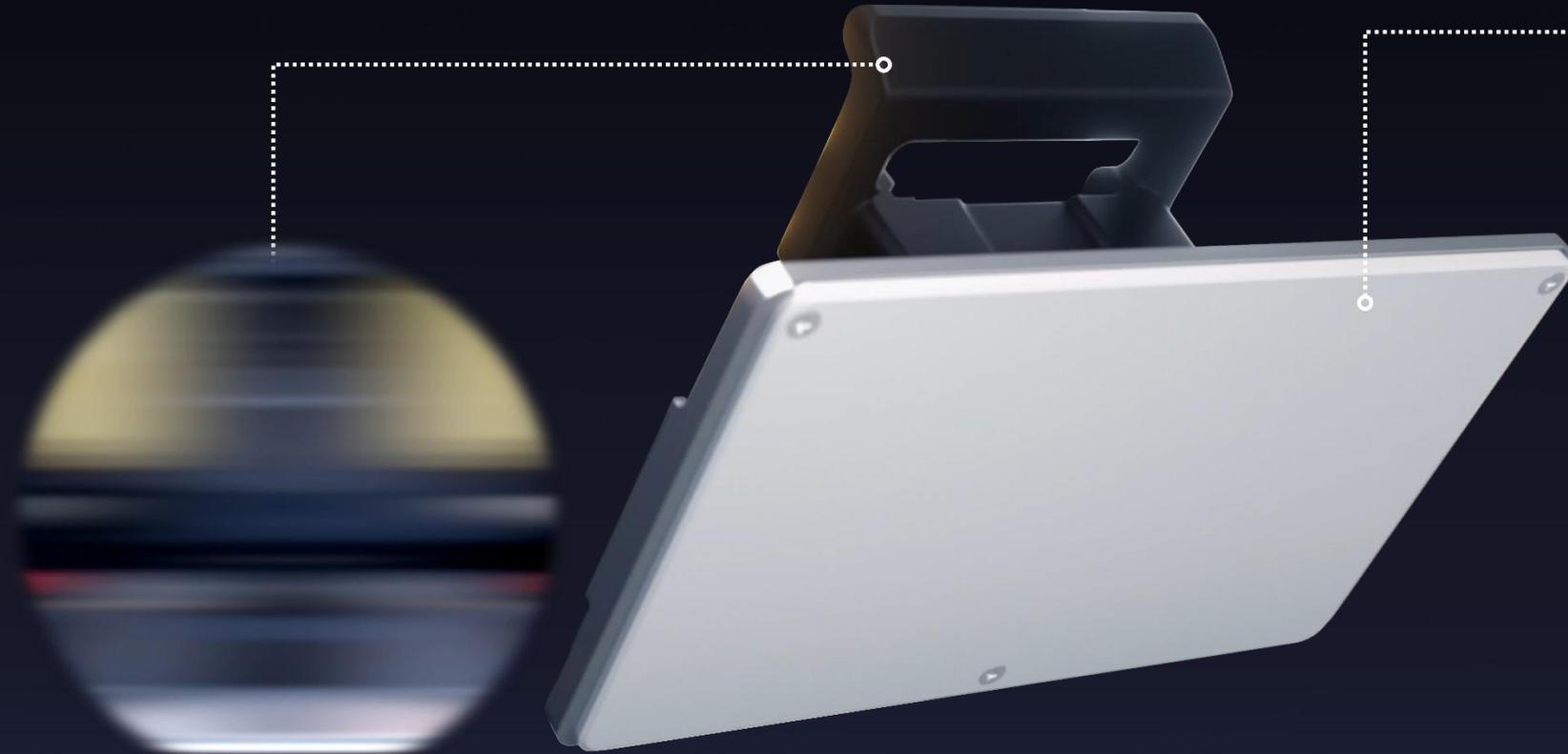
- 10min for printing All-on-x, crown and bridges
- Quick print resin tank

Ready for Future Material Innovation

- Ultra-High Light Power
12 mW/cm^2
- Max 18 mW/cm^2

AccuFab-F1 Ceramic Print Platform

SHINING 3D
DENTAL



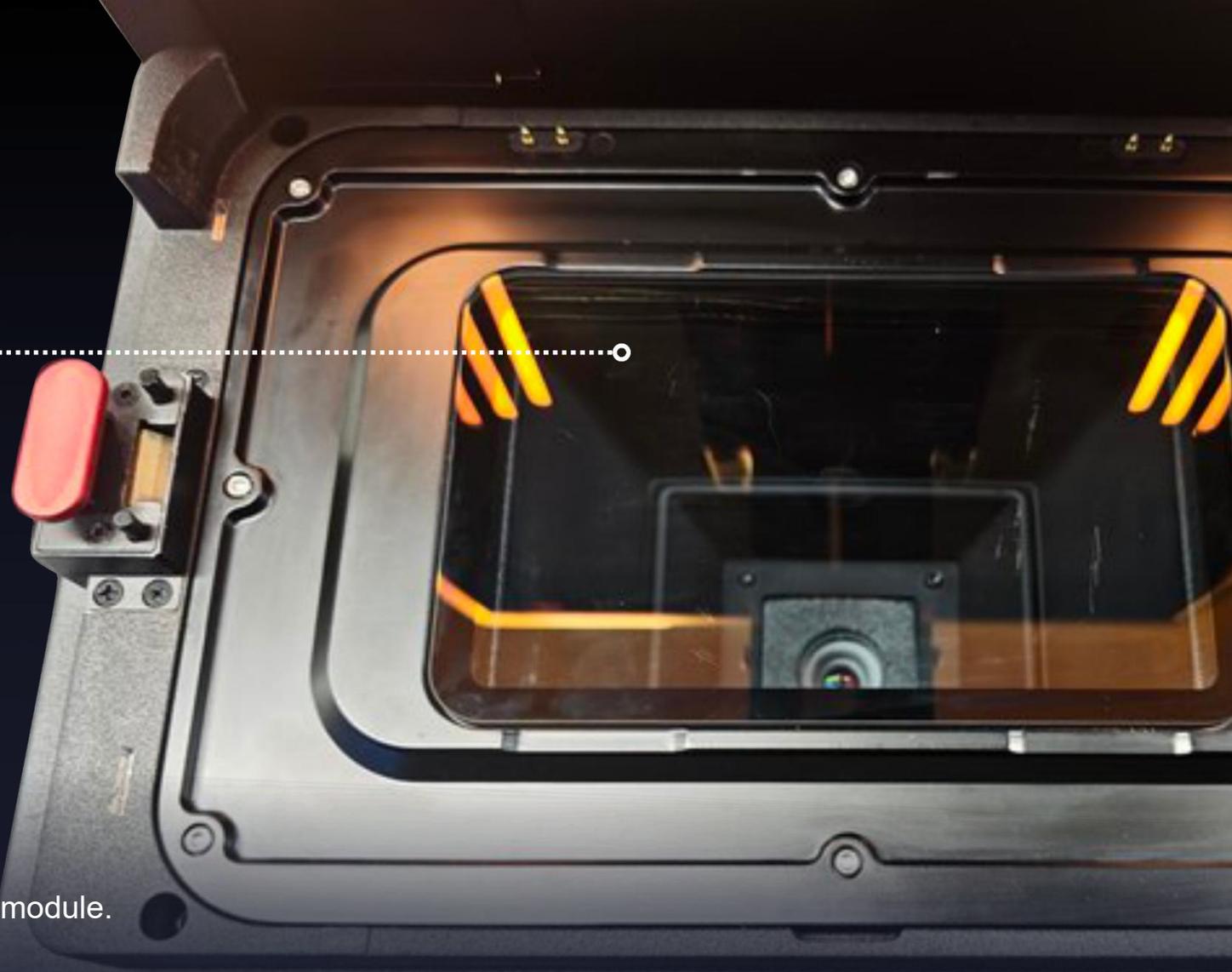
Ceramic Platform

- Super durable
- Excellent print adhesion
- Biocompatible

One-press Lock

WHERE **INNOVATION**
MEETS **DENTISTRY**

Modular Structure



Optical Module

- Easy replacement and maintenance.
- Resin-proof design prevents leakage into the optical module.

Easily Replaceable Resin Tank Film

SHINING 3D
DENTAL



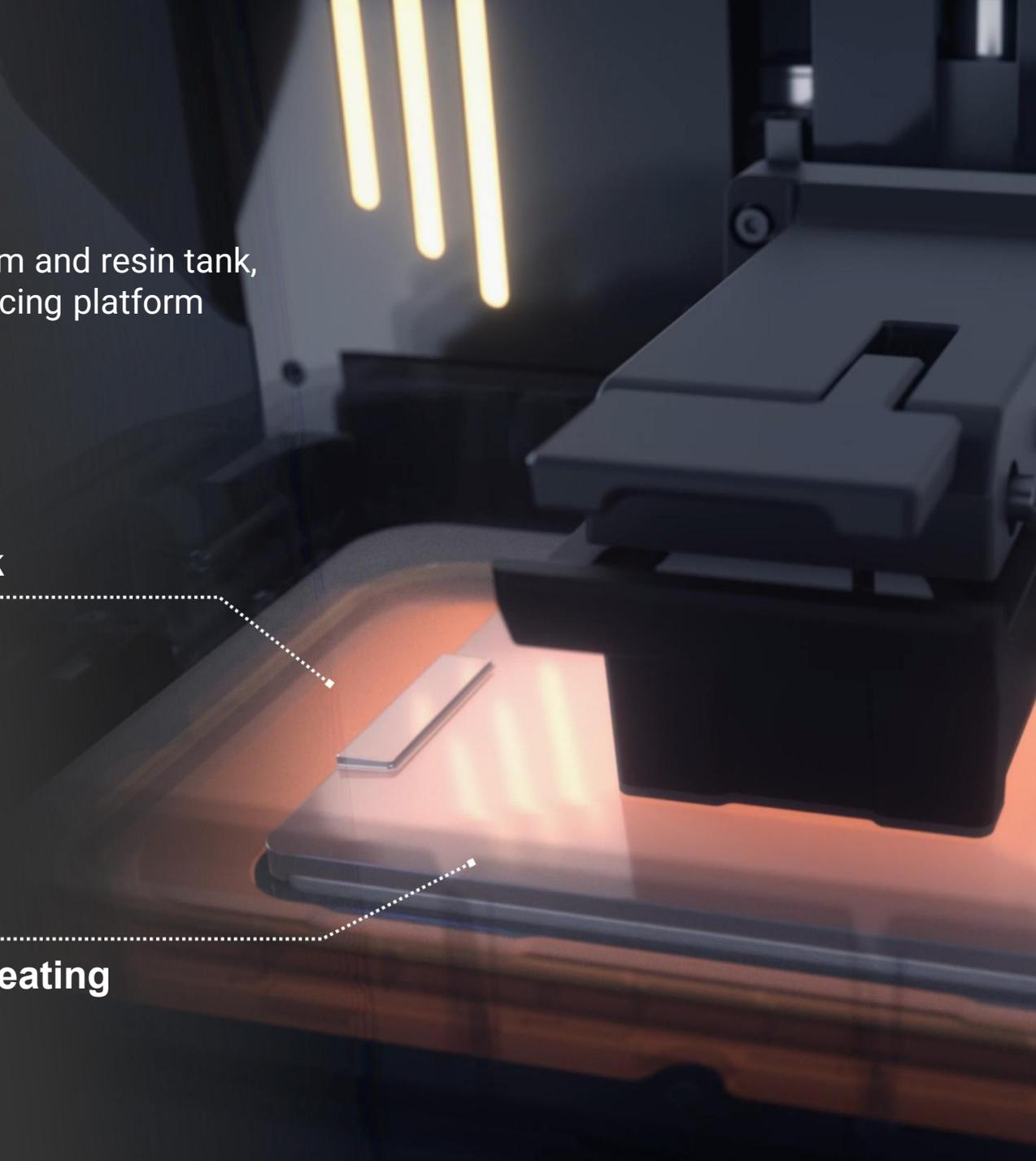
Dual Heating Modules

AccuFab-F1 features dual heating for both the print platform and resin tank, improving the flow of highly filled viscous materials, enhancing platform adhesion, and enabling fast printing.

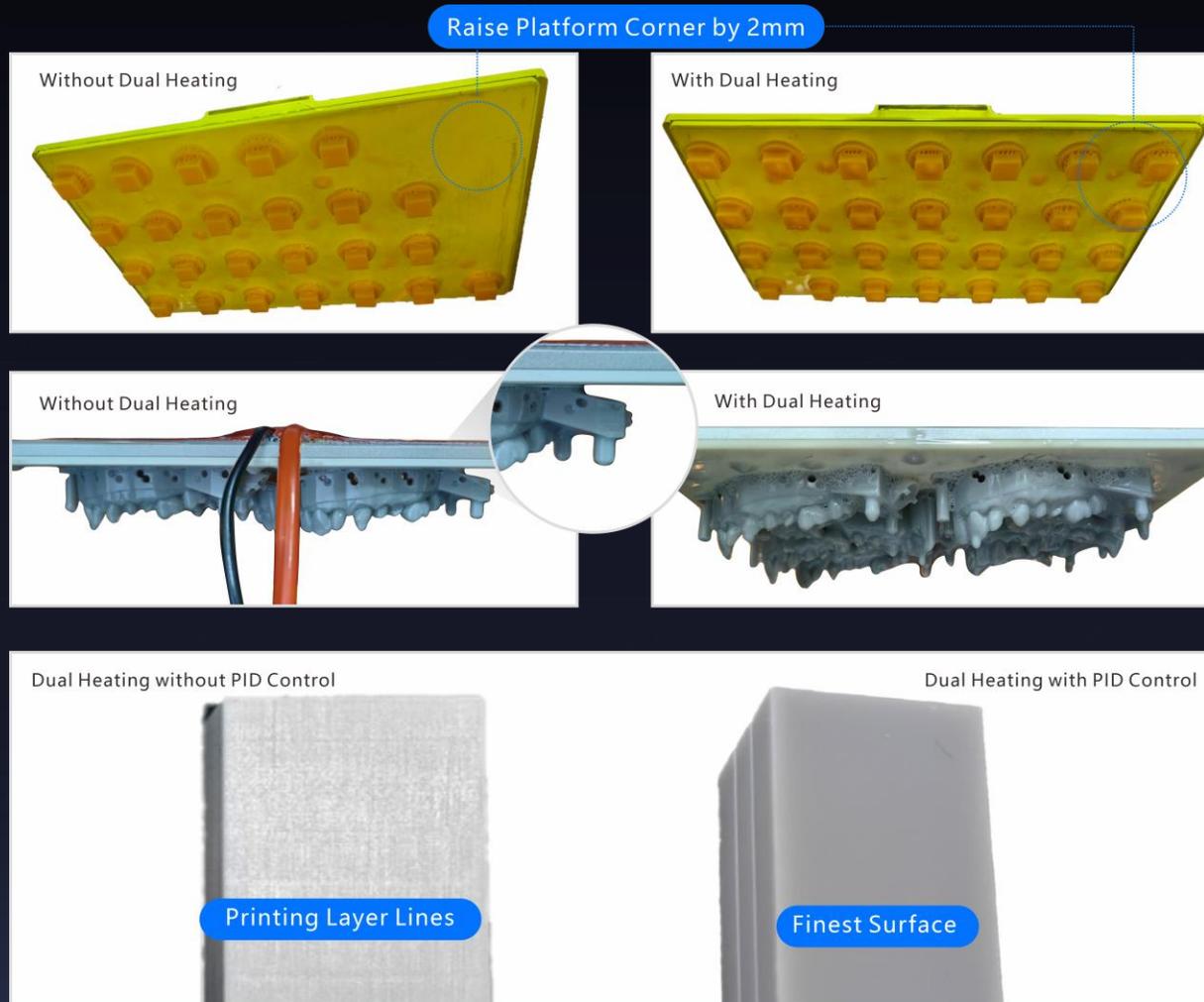


Resin Tank Heating

Platform Heating



Extra Benefits of Dual Heating Modules



✓ Enhanced Print Adhesion

Dual heating module enhances print adhesion, ensuring a 99% printing success rate.

✓ Improved Print Quality

Optimal ambient temperature minimizes issues like warping and delamination, enhancing the overall quality of the final print.

✓ Smoother Surfaces

The dual heating function in combination of PID control eliminates printing layer lines and delivering the smoother print surface.

Ready for Future Material Innovation

SHINING 3D
DENTAL

Ultra-High Light Power

Max 18 mW/cm²

(4.6/8/12 mW/cm²)

AccuFab – F1 is equipped with a powerful optical module that opens up new possibilities for future material innovation, enabling the printing of new materials with higher viscosity and challenging formability.

WHERE **INNOVATION**
MEETS **DENTISTRY**

Incredible Printing Speed



Splint

(HyperClear resin tank)



Rapid printing
50 Min



All-on-X



Rapid printing
10 Min



Denture



Rapid printing
70 Min



Crown and Bridges



Rapid printing
10 Min

 **50-100%**

Increase in Printing Speed
(For high viscosity resin)



Ultra High Accuracy



DM11 V2 Material Block (Unit: mm)					
Order	Horizontal Value	Vertical Value	Order	Horizontal Value	Vertical Value
1	9.99	9.99	15	10.03	9.99
2	9.99	10.01	16	10.00	9.98
3	9.99	10.01	17	10.00	9.98
4	10.00	9.98	18	9.99	9.97
5	10.00	9.99	19	9.99	9.99
6	10.00	9.99	20	10.00	10.00
7	10.00	10.02	21	9.98	9.99
8	10.00	9.97	22	9.98	9.98
9	9.99	9.98	23	10.03	9.97
10	10.00	9.98	24	10.02	9.98
11	10.00	9.99	25	10.00	9.98
12	9.99	9.98	26	10.00	9.98
13	9.98	9.99	27	9.99	9.99
14	10.00	10.00	28	9.99	10.02

±25 μm Printing Accuracy

- AccuFab-F1 printed dental model accuracy reaches ±25μm.

Transparent Materials Printing

SHINING 3D
DENTAL



AccuFab-F1 HyperClear Printing
Result



Regular Printing Result

*Hyperclear Resin Tank
compatible(optional)*



WHERE **INNOVATION**
MEETS **DENTISTRY**

Smart Control System

SHINING 3D
DENTAL

This smart system utilizes PID Heating Control to precisely regulate the ambient temperature of the printing environment, ensuring optimal conditions for the printing process.



Cabin Temperature and Humidity Monitoring

Automatic Build Platform and Resin Tank Detection



Dual Heating Status

Resin Tank Usage Tracking

Residue Detection

At the start of printing, intelligent detection identifies residue at the bottom of the resin tank. If residue is detected, the printer pauses to prevent damage to the film, thereby maximizing the tank's film lifespan.

Residue-induced damage to the film may affect print quality or even cause a resin spill.

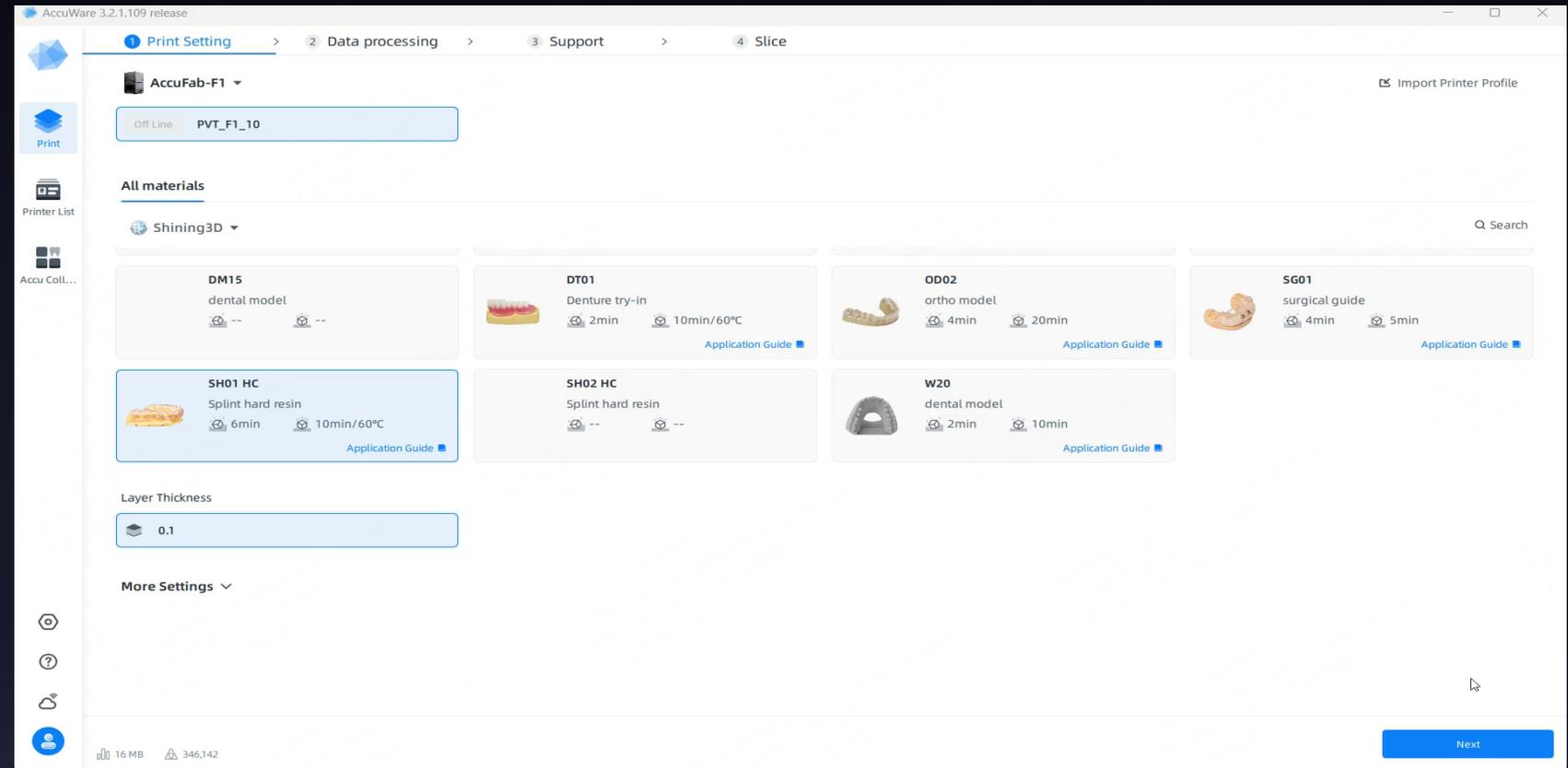


Powerful Slicing Software

8 types of *One-click Printing*: automatic layout planning, support generation and slicing.

High Efficiency, Shallow Learning Curve

- ✓ Surgical Guide
- ✓ Crown and Bridge
- ✓ Restoration
- ✓ Orthodontic Model
- ✓ Nightguard
- ✓ Denture Base
- ✓ IBT
- ✓ Retainer



The Printing Journey is Not Over Yet

Strength and Aesthetics

FabCure N2 - Nitrogen Curing Unit



WHERE **INNOVATION**
MEETS **DENTISTRY**

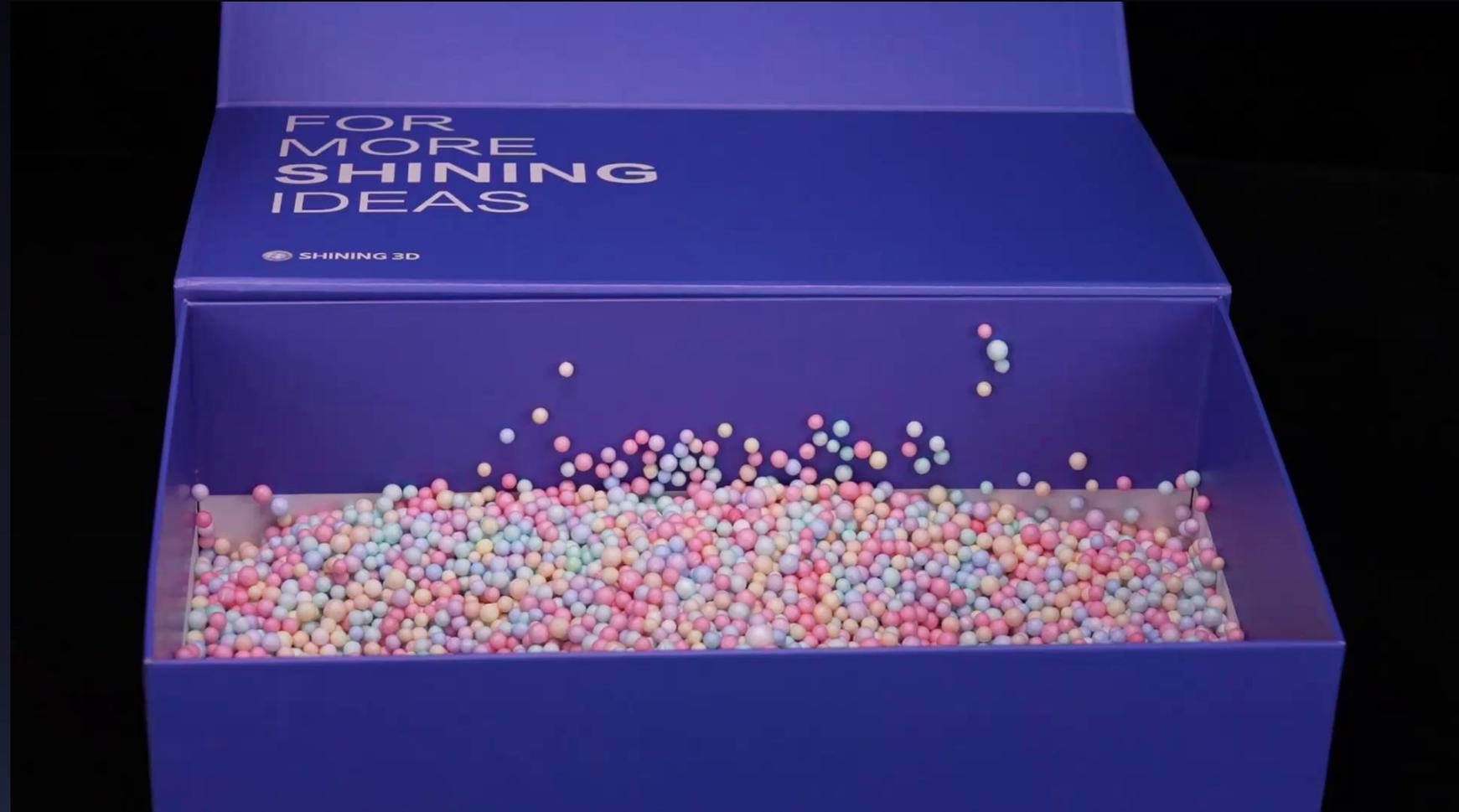
Why Nitrogen?



Enhancing Surface Dryness and Quality

SHINING 3D
DENTAL

By curing in an oxygen-free environment, the surface resin is fully cured, achieving a dry-touch feel, improving the mechanical stability of printed models.



WHERE **INNOVATION**
MEETS **DENTISTRY**

30-Second Rapid Optical Polishing

SHINING 3D
DENTAL

After polishing the surface of finished products such as crowns and clear aligners, a small amount of resin can be applied and cured again for 30 seconds to achieve optical polishing, enhancing the aesthetic quality of the final product.



WHERE **INNOVATION**
MEETS **DENTISTRY**

Color Stability



✓ The N2 nitrogen curing unit prevents yellowing during crown&bridge curing, preserving the original resin shade and achieving optimal esthetic results.

✓ Supports standard curing mode

- Light Curing Mode: 50 mW/cm² (horizontal), 30 mW/cm² (vertical)
- Thermal Curing Mode: 60°C



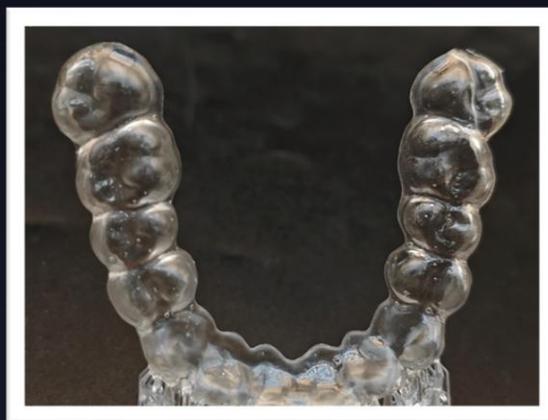
FabCure N2-Nitrogen Curing Unit

Oxygen-free Options



Water Bath Curing

Poor surface drying, visible fingerprints on the base.



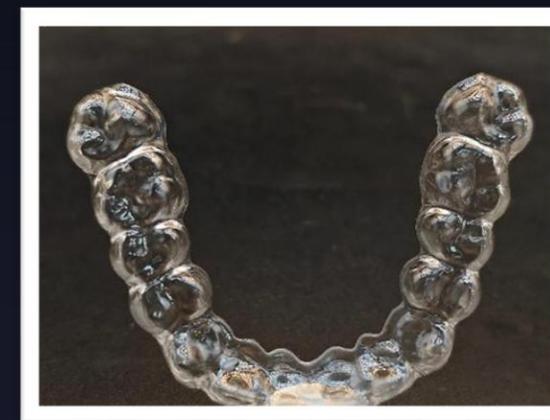
Glycerin Curing

Bubble residue on the surface, suboptimal surface drying.



CO₂ Curing

Advantages: Excellent results.
Drawback: High cost.
Solid dry ice: difficult to control.



Nitrogen Curing

Excellent results, cost-effective.

Design More Shining Smile

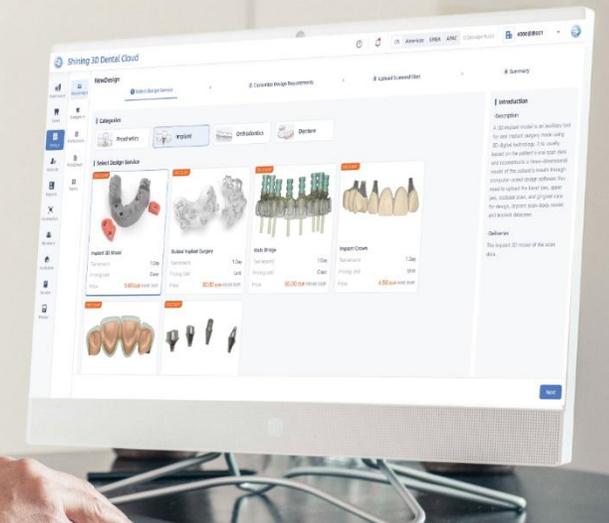
SHINING 3D Dental Design Service

 Comprehensive Design Categories

 Seamless Workflow

 Fast Turnaround

 Design Check Based on 3D models



WHERE **INNOVATION**
MEETS **DENTISTRY**

Cloud-Based Design Review & Data Prep For Printing

Design Review

Multiple Tools for Precise Design Assessment on 3D Models

Shining 3D Dental Cloud

DesignList

All Waiting Accept Designing Waiting Confirm Pending Finished

Case No.	Case Name	Design Type	Design Services	Unavailable reason	IsRushCase	Status	Operations
035e4f0d-8278-553f...	Karen	Prosthetics	Crown & Bridge	-	NO	Waiting Accept	👁️ 📄
f08b5c0c-e324-5156...	Karen	Prosthetics	Crown & Bridge	-	NO	Waiting Accept	👁️ 📄
b1954ada-806e-5ed...	Karen	Prosthetics	Crown & Bridge	-	NO	Waiting Confirm	👁️ 📄

Total 3 Page 20 Size 1

Cloud-Based Slicing and Printing

Cloud-Based Slicing and Printing

Shining 3D Dental Cloud

Printer List

Please enter the printer's name Models Status Reset

L4D1AP301-CNBA19117 Ready

Accufab L4D
Shining3D/DM12

Recent printing

Print Job	Quantity
splint-20240820172749-rename.slp4	5

Total 1 Page 10 Size 1

you can download the design result and the CAD project

Scan

Design

Print

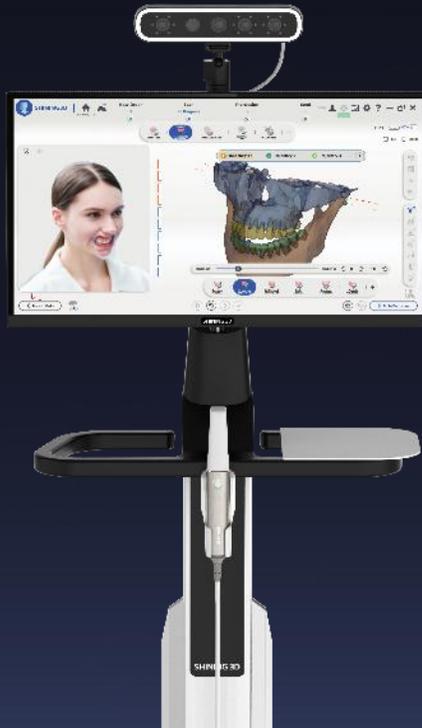
Aoralscan Elite
Wireless

e-Motion Workstation
(with Mandibular Movement)

Design Service

FabCure N2
Nitrogen Curing Unit

AccuFab-F1



WHERE **INNOVATION**
MEETS **DENTISTRY**

Thank you!



WHERE **INNOVATION**
MEETS **DENTISTRY**