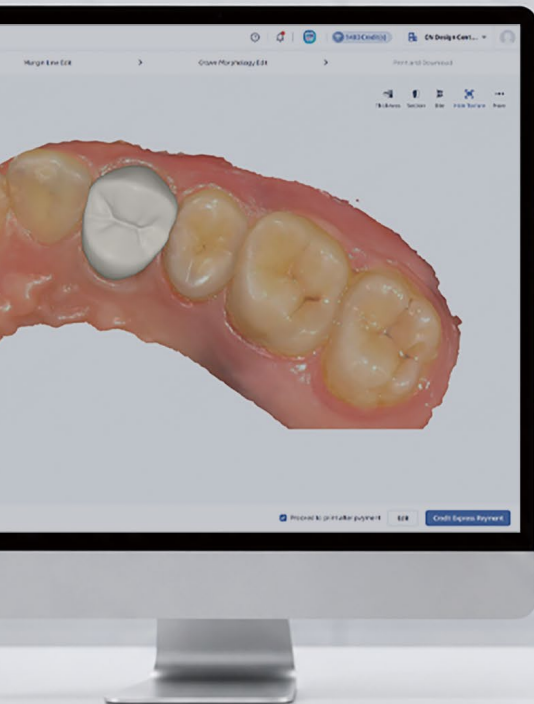


Ceramix-Nano Capsule 3D Printer

Imagination Encapsulated



EN

SHINING3DDENTAL.COM

COMPACT IN SIZE **POWERFUL IN FUNCTION**

Weighing only

2 kg

The industry's most streamlined ultra-speed capsule 3D printer, precision-engineered to deliver immediate capsule **permanent** restorations in any clinical setting.





Ceramix-Nano

Ultra-Fast Printing

Patented APS Technology

Print a permanent ceramic crown in 8-11 minutes.

Permanent Restorations

Over 50% Ceramic Filler Content

Designed for chairside long-term restorations with high ceramic-content materials.

2-in-1 Print & Cure

Integrated Curing Chamber

Built-in curing at up to 80°C, completed in under 3 minutes. No additional investment in post-processing devices is required.

Unmatched Compactness

Portable & Space-saving

Print crowns, veneers, inlays, onlays, and bridges right away, bring the chairside production capability wherever you go.

The 2kg All-in-One Micro Lab

APS

Proprietary APS Technology
(Adaptive Pneumatic Stereolithography)

8-11 min

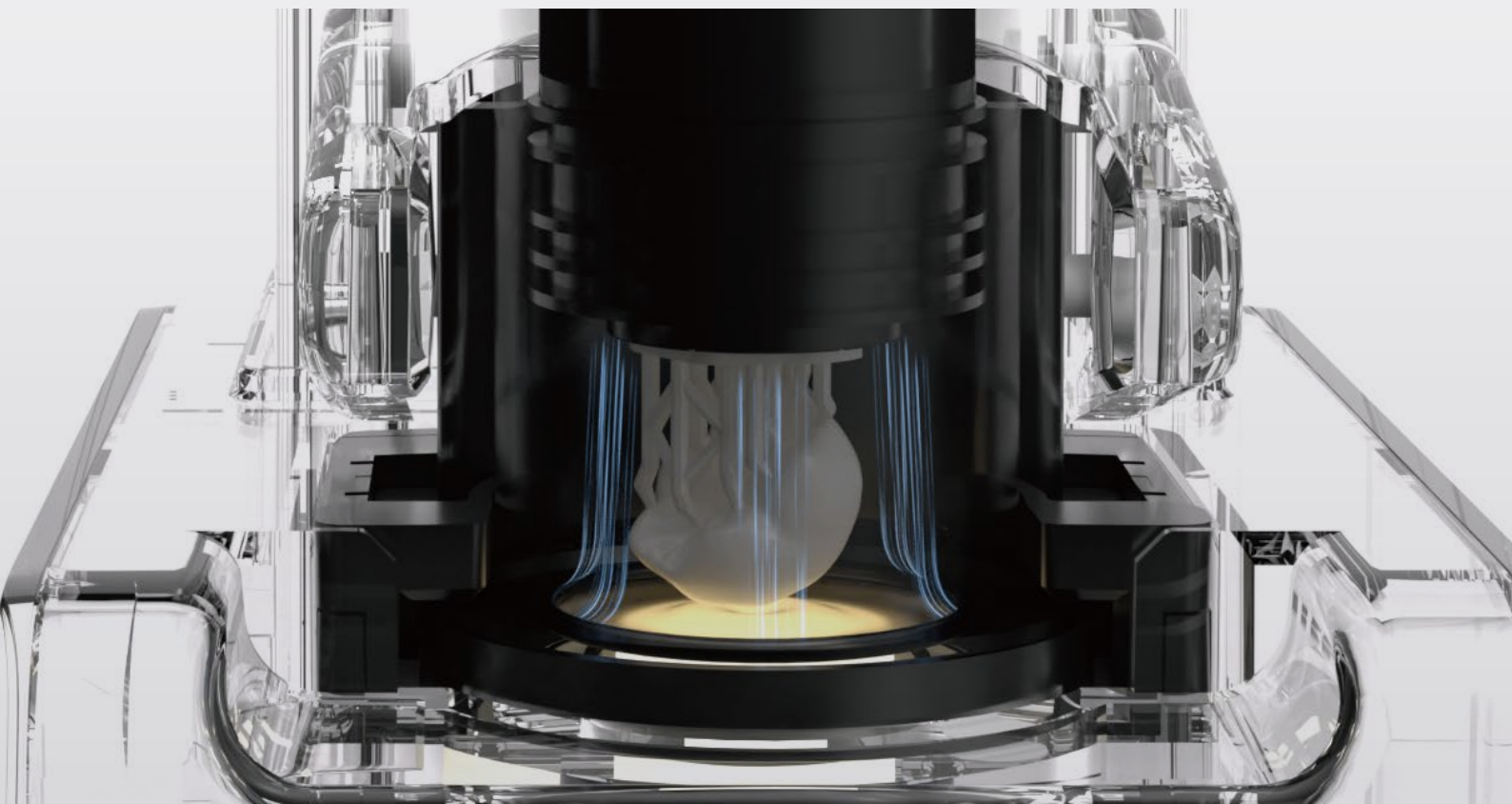
Single-crown Printing

3 min

On-machine Curing

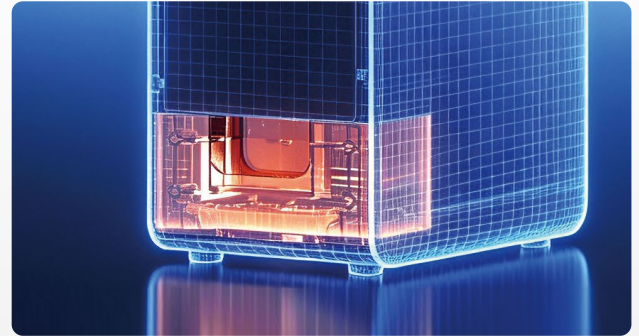
15 min

Total Chairside Fabrication



Built-in Curing Unit

Transitioning from multi-device setups to a unified 2kg system, the Nano integrates high-precision printing and a 80°C professional curing module in a single device. As one of the world's most compact capsule printers, it expands what is possible with a space-efficient hardware design.



Aesthetic Curing Module (Optional)

The optional aesthetic curing module enables oxygen-free curing without the need for additional equipment, delivering a smooth, premium surface finish for highly aesthetic final restorations.

Power Bank Compatible Printing

Designed for true mobility, Ceramix-Nano supports direct printing via portable power banks. The first ceramic printer that goes wherever you do.

Note: Requires a 10,000mAh+ power bank. A 10,000mAh unit supports approximately 5 complete print + cure cycles.



LumiCera

High-Performance Ceramic Resins

LumiCera is the ceramic resin inside the Ceramix-Nano capsule, pre-measured and ready to print. It combines exceptional restorative properties with a minimalist chairside workflow, ensuring superior clinical results with unparalleled simplicity.



Long-Term Durability

Over **50% ceramic filler** content for lasting mechanical strength.



Biocompatibility

FDA Class II 510(k) cleared for permanent intraoral use.



Five VITA shades

Covering the most common natural shades: BL, A1, A2, B1, and C2.



BL



A1



A2



B1



C2



Crowns



Inlays & Onlays



Veneers



Multi-unit Bridges



One Capsule, Multiple Restorations



38mm Bridge Capability

The capsule's built-in chamber accommodates bridges up to 38mm without compromising on fit or accuracy.



Up to 3 Crowns per Capsule

Supports printing up to 3 crowns per capsule, maximizing material efficiency and clinical productivity.

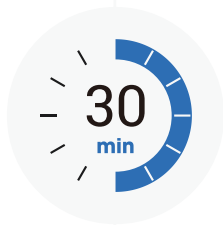


The 30-Minute Revolution

From intraoral scan to permanent crown

The Ceramix-Nano redefines chairside dentistry, printing a single crown in as little as **8 minutes**. Powered by AI design, intraoral scanning, and a cloud-driven workflow, it delivers a complete permanent restoration in under **30 minutes**—all within a **single appointment**.





Cloud-Driven Chairside Crown & Bridge Workflow

Step 1



Scan

Scan the prepared tooth with your intraoral scanner.

Step 2



AI Design

Select the scan order and generate a crown design in under 2 minutes with the AI Design tool.

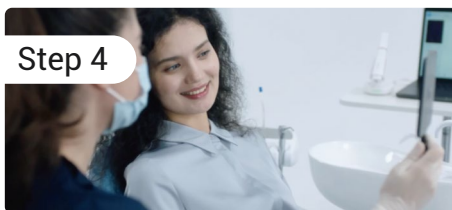
Step 3



Print & Cure

Load the capsule, press print, and slide the restoration into the curing drawer. Your high-quality restoration is complete.

Step 4



Deliver

Cement the restoration and send your patient home.

SHINING Flow

The Complete Scan-Design-Print Platform

SHINING FLOW connects your Intraoral Scanner, AI Design, and Ceramix-Nano Capsule Printer into a single uninterrupted workflow. One platform takes you from scan to cementation. Your data stays intact, and you never need to switch software.







SHINING 3D AI Design × Ceramix-Nano

Seamless Design for Same-Day Restorations

24/7 Self-Service Over the Cloud

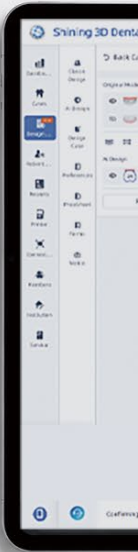
Access our AI-powered design service on demand, from anywhere.

Anatomy-Driven Tooth Design

AI generates natural tooth anatomy-inspired crown morphology.

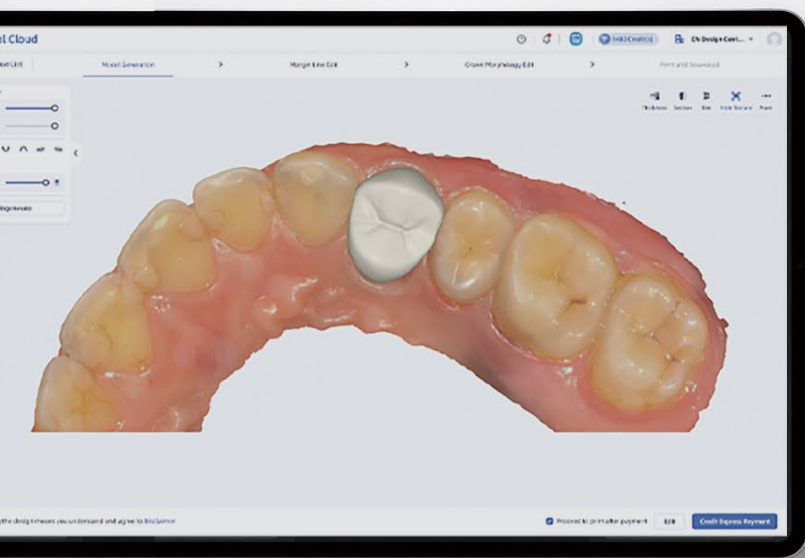
AI-Powered Chairside Design in 90s

No design bottlenecks. Faster chairside delivery.



SHINING 3D Dental Cloud Platform

A Connected Digital-to-Physical Workflow,
Powered by the Cloud



Order Management

Select patient cases directly from the cloud platform to begin AI-assisted crown design.



AI Design

Complete design and refinement through a web-based workflow. No third-party platform switching required.



Intelligent Nesting & Slicing

The cloud automatically arranges and prepares your restorations for printing. No manual setup required.



One Click Printing

Once your design is confirmed, the Ceramix-Nano receives the print file automatically.



An Open Ecosystem for Clinical Versatility

To meet the diverse clinical needs of modern dentistry, we embrace a digital open-platform philosophy. By fostering compatibility with world-class material systems, we empower clinicians with greater restorative freedom. The Nano is fully compatible with SAREMCO CROWNTEC for high-performance permanent restorations.

TECHNICAL SPECIFICATIONS

Ceramix-Nano

Chairside Fabrication Unit

Core Technology	APS (Adaptive Pneumatic Stereolithography)
Optical Engine	DLP
Wavelength	405 nm
XY Resolution	50 μm
Cycle Time	Typical 8–11 mins (Average ~8 mins for anterior crowns)
Dimensions (W × D × H)	87 x 131 x 276 mm
Leveling	Calibration-free Auto-leveling System

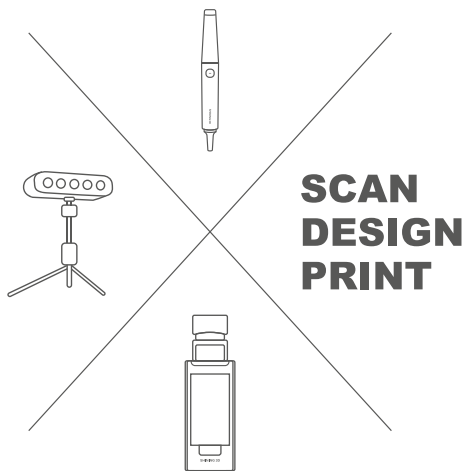
Clinical Application

Crown, Bridge (up to 3 units), Veneer, Inlay, Onlay

Post-Curing Parameters

Curing Size	50 x 40 x 20 mm
Curing Time	≤3min
Light Intensity	200 mW/cm²
Max Curing Temperature	80°C
Curing Wavelength	360-385 nm

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



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