

Technical Parameters

Application	Zirconia Sintering	Power Supply	220V/50Hz
Dimension(W.D.H)	340mm*490mm*700mm	Rated Power	3kW
Weight	55kg	Maximum Withstand Temperature	1600°C
Chamber Size	φ95mm*50mm	Working Temperature	≤1550°C
Sensor Type	High Precision Type B Thermocouple	Monitor	7"True Color Touch Screen
Number of Trays	1	Heating Rate	≤100°C/min
Sintering Tray Size	Φ90mm	Maximum Number of Program Setting	>100
Heating Element Type	Silicon Carbide Rod	Heating Type	Fast/Standard Sintering
Number of Heating Element	4		

About Besmile

Besmile is a global digital solutions provider for restorative and implant dentistry.

We offer integrated systems—premium CAD/CAM materials, advanced equipment, and precision implants—designed to streamline workflows and ensure reliable results.

All core products are developed and manufactured in-house, ensuring consistent quality and continuous innovation.

Trusted by over 1,000 partners in more than 100 countries, we empower dental professionals to create confident, lasting smiles.

Technology creates the best smile.



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Zirconia Fast Sintering Furnace
BSM-FC30

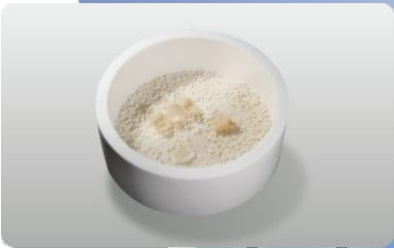


Ultra-Fast Heating · Pure Sintering

Zirconia Fast Sintering Furnace

BSM-FC30

The BSM-FC30 is a zirconia fast sintering furnace built for speed and precision. Its 90-minute cycle makes chairside restorations faster and more efficient, while advanced temperature control and high-purity silicon carbide rods ensure clean and reliable results.



Accessories



Crucible



Spiral heating elements



High-purity zirconia beads

Digital Workflow



Key Features



90-Min Fast Sintering

- Optimized cooling technology: completes sintering in as fast as **85 minutes**, with full cycles including cooling in just **3 hours**.
- Ultra-fast heating rate of 0-100°C/min.



Pure & Energy-Efficient

- High-purity silicon carbide rods ensure clean, contamination-free zirconia.
- Advanced insulated furnace chamber with “sandwich” structure delivers lasting heat retention.



IoT Cloud Platform

- Remote monitoring and control via PC or mobile devices.
- Unattended operation boosts efficiency.
- Touchscreen control, LCD display, easy operation



Versatile Sintering Programs

- Fast and standard sintering modes; built-in cleaning and calibration curves.
- Supports customized sintering curves with storage for 100+ programs.



Precise Temperature Control

- PID intelligent temperature control, cylindrical chamber design, and circumferential heating arrangement ensure uniform heat distribution.

