

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 implantsystems-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.



Chengdu Besmile Medical Technology Co.,Ltd.,
www.bsmdental.com
T: +86-28-85317108
E: info@cdbesmile.com

Besmile Dental America Inc.
20311 Valley Blvd, Suite I, Walnut, CA 91789
T: (626)921-5798
E: sales@bsmdentalus.com

Contact Us



Facebook: @Besmile Instagram: @besmile_aconia

Zirconia Fast Sintering Furnace

BSM-FC30

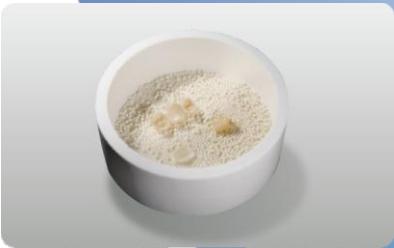


Ultra-Fast Heating · Pure Sintering

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.



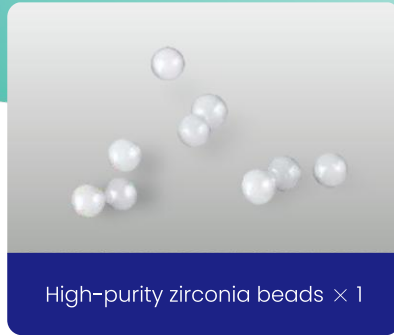
Accessories



Sintering tray × 1



Spiral heating elements × 4



High-purity zirconia beads × 1

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.



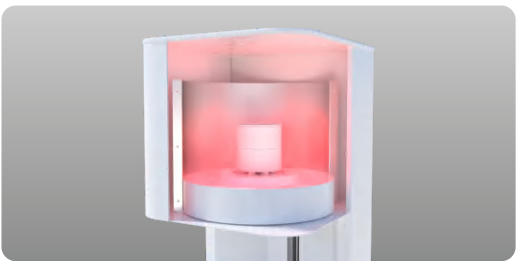
Pure & Energy-Efficient

- 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**.