

Technical Parameters

Dimension(W*D*H)	400mm*590mm*870mm	Weight	80Kg
Chamber Size	φ110mm×90mm	Sensor Type	High Precision Type B Thermocouple
Number of Trays	2	Sintering Tray Size	φ105mm
Heating Element Type	Silicon Carbide Rod	Number of Heating Element	4
Power Supply	220V/50Hz	Rated Power	4KW
Maximum Withstand Temperature	1600°C	Working Temperature	≤1550°C
Monitor	7"True Color Touch Screen	Heating Rate	≤100°C/min
Maximum Number of Program Setting	>100	Heating Type	Fast/Standard Sintering
Application	Zirconia Sintering		

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 Sintering Furnace

BSM-FC40



80-Unit Capacity



Fast/Standard Sintering



Environmentally Friendly



IoT Cloud Platform



Upgraded Materials



All-In-One Sintering Solution For Chairside Or Lab Use

Zirconia Sintering Furnace

BSM-FC40

Digital Workflow



The BSM-FC40 is a high-capacity fast sintering furnace designed for performance and precision. With high-purity silicon carbide heating rods, uniform heat distribution, and advanced PID temperature control, it delivers reliable results and accurate color in as little as 90 minutes—ideal for dental labs and chairside restorations.

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.
- High-purity silicon carbide rods enable rapid heating at 0–100°C/min.



80-Unit Large Capacity

- Ø110mm large furnace chamber with double-layer crucible stacking; sinter up to 80 units at once for maximum productivity.



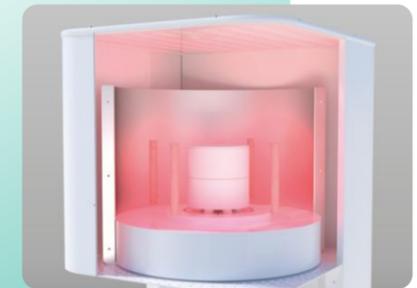
IoT Cloud Platform

- Remote monitoring and control via PC or mobile devices.
- Unattended operation boosts efficiency.



NEW Upgraded Materials

- High-purity refractory crucible delivers exceptional thermal shock resistance, minimizing the risk of cracking.
- Advanced insulated furnace chamber with “sandwich” structure for long-lasting heat retention.



Precise Temperature Control

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

Versatile Sintering Programs

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

Accessories

