

Technical Parameters

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|---------------------------|------------------------------------|-----------------------------------|---------------------------|
| 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 | | |

Zirconia Fast Sintering Furnace

BSM-FC30



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.

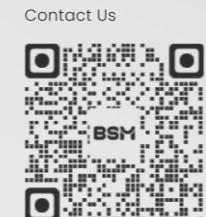


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Zirconia Fast Sintering Furnace

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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.



Versatile Sintering Programs

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



IoT Cloud Platform

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



Precise Temperature Control

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