BSM 贝施美
BESMILE
科 技 缔 造 美 丽 笑 容

Technology Creates the Best Smile

BSM-FC30

• Zirconia Fast Sintering Furnace •

- Easy
- Efficient
- Energy Saving
- Excellent Performance

BSM 贝施美
BESMILE
科 技 缔 造 美 丽 笑 容

Besmile Biotechnology Co., Ltd
Tel:+86-28-85317108 | Email: info@cdbesmile.com | www.bsmdental.com
No.1666, 2nd section of Chenglong Road, Chengdu Economic and Technological Development Zone, Sichuan, China

BSM-FC30 Zirconia Fast Sintering Furnace

BSM-FC30 zirconia fast sintering furnace is specially designed for completing the high-temperature sintering for all zirconia materials . It adopts unique“Sandwich” thermal insulation technology, achieving long-lasting heat preservation and energy saving. And It offers customers with easy & efficient sintering experience with one-button operation and 3 hour fast sintering, and at the same time guarantees excellent sintering performance with its use of high-purity silicon carbide heating elements and circular-shape heating design.

Key Features

Easy Operation

*One-button operation with LCD touch screen.
*Intelligent lifting, enabling easy loading and unloading

Energy Saving

*Unique“Sandwich”thermal insulation technology, achieving high-tech insulation, long-lasting heat Preservation and energy saving.

Efficient Sintering

*3H fast sintering, 63% less than traditional sintering time.
*2 sintering modes: fast& standard, free shift.
*100 customized sintering programs.

Excellent Performance

*High-purity silicon carbide heating elements, ensuring sintering restorations free of contamination.
*Circular-shape heating design achieving homogeneous temperature distribution,guaranteeing the finished restorations with accurate color and great translucency.

Sintering Tray

Silicon Carbide Heating Element

Pure Zirconium Beads

“Sandwich” Thermal Insulation Technology

The insulation design adopts unique “Sandwich” Thermal Insulation Technology, composed of three layers: the furnace layer, the middle insulation layer and the shell. High-tech insulation material and the perfect match of lifting table and furnace mouth greatly enhance the sealing and heat preservation. During the heat preservation, the furnace runs with low energy consumption, which achieve the effect of energy saving and environmental protection.

Intelligent Two-stage Cooling Procedure

BSM-FC30 fast sintering furnace carries intelligent two-stage cooling procedure, which can precisely identify the real-time temperature. When temperature drops to 800°C, the sintering table will drop seven to eight centimeters automatically , speeding up cooling via air circulation; When temperature drops to 500°C, the sintering table will drop again automatically. The function can not only improve working efficiency, but also avoid heat burns.

Type-B Thermocouple

BSM-FC30 is equipped with type-B thermocouple, which converts the heat energy in the furnace into electric energy, and uses thermoelectric potential to measure the temperature and carries out accurate feedback of the temperature in the furnace through PID program, so as to accurately monitor the temperature in the furnace in real time and ensure the sintering effect.

Circular-shape Heating Design

BSM-FC30 adopts circular-shape heating design with 4 heating elements located all around the chamber in a circle, ensuring the homogeneous temperature distribution , which guarantees the finished restorations with accurate color and great translucency.

Technical Data

Application area	Zirconia sintering
Dimension(W.D.H)	340*700*490mm
Sintering space	Φ90mm*50mm
Number of sintering trays	1
Diameter of sintering tray	74 mm
Heating element	High purity silicon carbide
No.of heating elements	4
Power supply	220V/50Hz
Max withstand temperature	1600℃
Working temperature	⩽1550℃
Operation	7” color touch screen
Rated power	3KW
Weight	55kg
Sensor	High precision type-B thermocouple
Temp.control accuracy	±3℃
Heating rate	⩽50℃/min
Max.customized programs	100
Max.sintered resorations	25 single crowns
Shortest sintering time	3H(cooling time included)
Heating type	Fast & Standard