

BSM

Technology Creates the Best Smile

BSM-FC30

• Zirconia Fast Sintering Furnace •



Easy

Efficient

Energy Saving

Excellent Performance

BSM

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BSM-FC30 Zirconia Fast Sintering Furnace



BSM-FC 30 zirconia fast sintering furnace is specifically designed for the high-temperature sintering of zirconia materials. It incorporates a unique "Sandwich" thermal insulation technology, ensuring long-lasting heat preservation and energy efficiency. With its intuitive color touchscreen operation and 3-hour fast sintering capability, it provides customers with an effortless and efficient sintering experience while guaranteeing exceptional performance through the utilization of high-purity silicon carbide heating elements and a circular-shaped heating design.



Key Features



Easy Operation

- *Intuitive operation with 7" color 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 efficiency.



Efficient Sintering

- *3-hour fast sintering, 63% less than traditional sintering time.
- *2 heating types: fast&standard, free shift.
- *100 customized sintering program capacity.



Excellent Performance

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



"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 achieves 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-shaped Heating Design

BSM-FC30 adopts Circular-shaped heating design with 4 heating elements located 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*490*700mm
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°C
Working temperature	≤1550°C
Operation	7" color touchscreen
Rated power	3KW
Weight	55kg
Sensor	high-precision type-B thermocouple
Heating rate	≤50°C/min
Max.customized programs	100
Max. sintering restorations	25 single crowns
Shortest sintering time	3 hours(cooling time included)
Heating type	Fast & Standard