



Technical resources

T-Bright Dental Furnace

Model: TC-BDF

<https://www.tencanballmills.com/en/products/sintering-series/t-bright-dental-furnace.html>

09.10.2026 / TENCAN

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Model: TC-BDF

Electric lifting sintering furnace for zirconia dental crowns. Even ring heating with 4 molybdenum disilicide elements for translucent, aesthetic results.

Technical specifications

Maximum temperature	1700°C
Working temperature	1600°C
Temperature control accuracy	+/-1 °C

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



Tianchuang series lifting sintering furnace adopts an electric lifting platform to accurately and quickly place the crucible in the furnace. Four silicon-molybdenum rods are heated in a ring shape, so the material is heated more evenly. Especially for zirconia dentures, the fired dentures are more transparent and beautiful.

The lifting sintering furnace is a heat treatment equipment whose working chamber can move up and down for heating and processing workpieces or samples. This kind of furnace is usually designed as a vertical structure, and the working chamber is raised or lowered by a lifting system to place the workpiece or sample in the appropriate heating position. In this way, the furnace is able to adapt to workpieces of different sizes and shapes and provide a uniform heating process.

Technical parameters

Furnace size	100*100mm (diameter*height)
maximum temperature	1700°C (not more than 2 hours)
working temperature	1600°C
Temperature control method	Intelligent 50-segment programmable control
Thermocouple	Type B
Temperature control accuracy	+/-1 °C
Rated power	2kW
net weight	75kgs
Overall dimensions	420x570x825mm

- It is specially designed for sintering small batch samples of zirconia denture crystals, structural ceramics, polymer ceramics and other laboratory samples.
- The power is only 2kW and does not require a special high-power power grid. It can be used in circuits in homes.
- The heating speed is fast, adjustable from 0-40°C/minute.
- The 7-inch high-definition touch screen is easy to operate and can store 30 different programs.
- 4 silicon-molybdenum rods are used for annular heating, resulting in higher furnace temperature uniformity.

Standard accessories:

1 silicon molybdenum rod ;
1 corundum crucible ;
1 pack of zirconium beads ;

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Before operation, review the selected model's instructions and the material requirements.