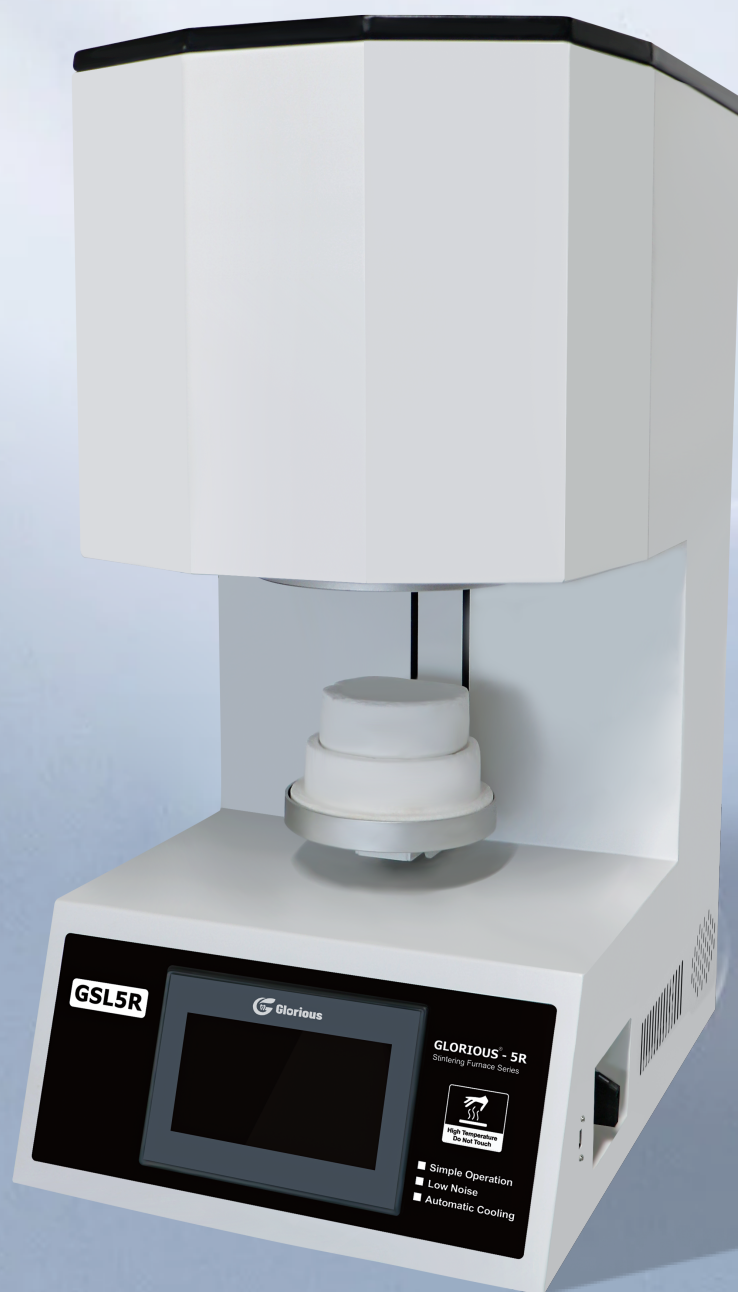


SINTERING FURNACE

GSL-5R



GSL-5R Zirconia Sintering Furnace

The integration of fast and slow sintering significantly improves the efficiency of single sintering

Meet the diversified roasting needs of various zirconia materials

Built-in automatic cooling program, bid farewell to tedious waiting for cooling

Support multiple languages

Wireless and 4G Internet of Things can be configured to control and monitor the running status of the equipment. Remote firmware upgrade and program download can be realized.

PRODUCT FEATURES

01

Simultaneous sintering of double-layered materials, single sintering ≥ 80 pieces, to maximize production efficiency. More than 100 sintering curves are stored to easily meet diverse sintering needs



02

The heating elements in the furnace are distributed in a ring shape, the furnace temperature is more uniform at high temperature, and the PID intelligent temperature control accurately controls the temperature $\pm 3^\circ\text{C}$



03

Built-in automatic cooling program, say goodbye to tedious manual cooling



04

WiFi/network connection, global barrier-free networking, remote monitoring and viewing anytime, anywhere



05

Touch screen operation, one-button start, more convenient processing



06

High-performance transmission components and temperature control components, stable performance and low noise



GSL-5R

Sintering Furnace

The hearth of GSL5R zirconia sintering furnace adopts 1800-high-purity alumina fiberboard as the hearth refractory material, which has excellent thermal insulation performance and ensures the perfect sintering effect of zirconia dentures; it is manufactured by modern mechanical manufacturing and processing equipment; advanced PID intelligent temperature control, High temperature control precision and reliable operation.

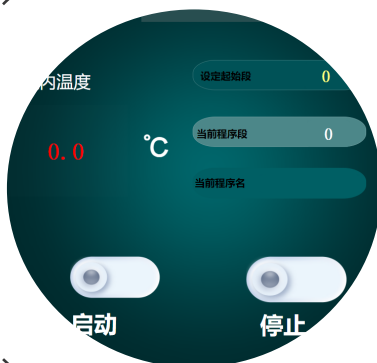


CAN BE CONFIGURED WITH REMOTE MOBILE PHONE

Tablet/web page programming, upload and download, firmware upgrade, diagnosis, monitoring, and detect abnormal conditions on site at any time

SAFETY AND ENERGY SAVING

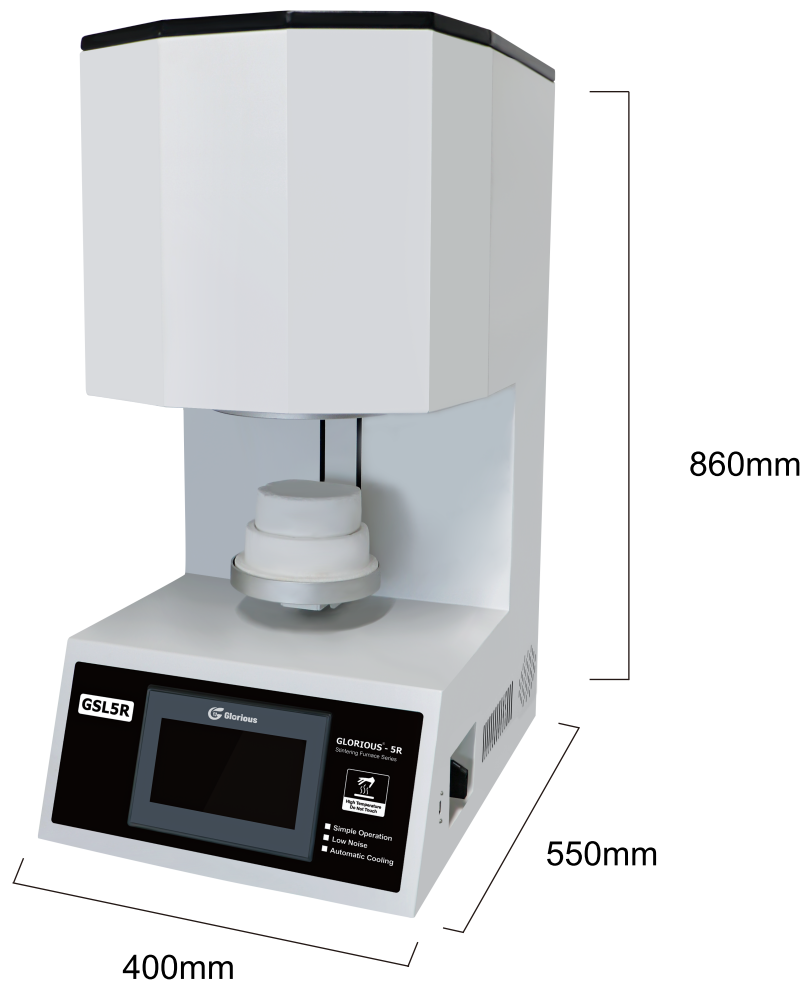
Using high-purity silicon molybdenum rod core heating element, high-performance thermal insulation material and furnace thickening design, long-lasting thermal insulation, safety, energy saving and no pollution



THE SCREEN IS A TOUCH SCREEN. EW

The upper right corner of the main interface displays the running state of the device (running, stopping and suspending). The main interface displays the furnace temperature, program, system setting, furnace rising and descending, program starting and stopping.

Technical Reference



W*D*H: 400mm*550mm*860mm

Furnace size: Φ 110mm*90mm

Number of crucibles: 2 layers

Heating element type: (high purity silicon molybdenum rod or silicon carbon rod)

Power supply: AC220V/50HZ60HZ

Control accuracy: $\pm 3^{\circ}\text{C}$

Maximum withstand temperature: 1700°C

Control method: 7" color touch screen

Max number of settings: > 100

Application: Zirconium oxide crystal

Weight: about 85KG

Sensor Type: High Precision Type B Thermocouple

Number of heating elements: 4

Rated power: 3KW

Operating temperature: $\leq 1650^{\circ}\text{C}$

Heating rate: $< 40^{\circ}\text{C}/\text{min}$

Heating type: fast burn/slow burn

GSL5R fast sintering furnace is heated by 4 silicon-molybdenum rods. The usable space of the furnace is $110 \times 90\text{mm}$. It can sinter two plates of more than 50 teeth at a time. It can realize rapid sintering of zirconia dentures. The whole sintering process can be completed in about 4 hours.