



1400 Degree Vacuum Tube Furnace

This furnace uses Silicon carbon rod as heating element, adopts double-layer shell structure and 31-stage program temperature control system, phase shift triggering, thyristor control, furnace high quality high purity alumina fiber, vacuum forming fiber poly light board material.

- Brand:TOB NEW ENERGY
- Item No.:TOB-GL1400-100
- Order(Moq):1set
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN

Product Detail


1400 °C High Temperature Tube Furnace

SPECIFICATIONS

Please click here to learn more about: [TOB-G1200-250, 1200 °C High Temperature Tube Furnace](#)

Parameter Item	Tube Furnace TOB-GL1400-120S
Voltage AC	AC220V, 50HZ
Heating Power	6KW
Furnace tube size	100x1000mm(out diameter*length)
Furnace tube material	Corundum tube 
Heating Zone	300mm
Constant Temperature Zone	150mm
Max working Temperature	1400°C
Long-term working temperature	1300°C
Heating unit	Silicon carbon rod



Heating Rate	1-20 °C / min adjustable
Suggested heating rate	3 °C / min temperature rise rate
Temperature control precision	±1°C
Passable atmosphere	Co ₂ , Nitrogen, argon, etc.
Temperature measuring elements and temperature measuring range	<p>S thermocouple, temperature range 0-1400 °C, The thermocouple is close to the outer wall of the tube, which can reduce the exterior temperature to normal temperature and make the temperature distribution of the inner cavity uniform.</p> 
Original electric appliance	Partial selection of Schneider imported brands



Instrument control

Yudian GP518P





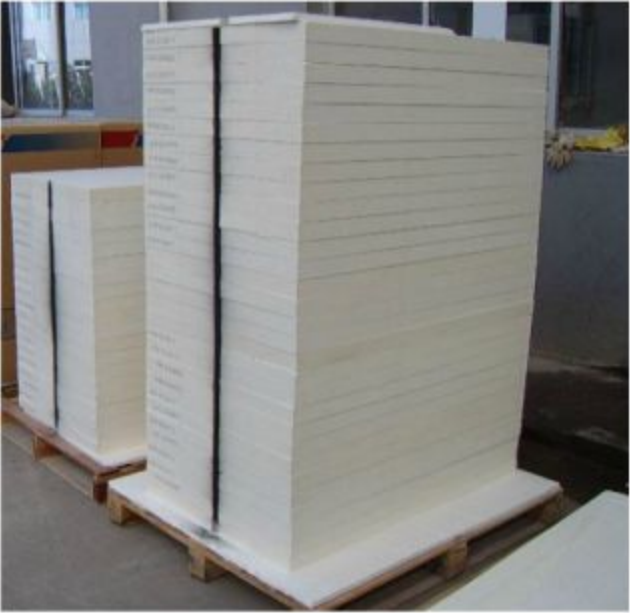
Sealing Component

Custom seal flange



<p>Vacuum</p>	<p>200pa Digital vacuum gauge</p>
<p>Flowmeter(optio nal)</p>	<div data-bbox="461 296 1040 873" data-label="Image"> </div> <p>50-500ml/min</p>
<p>Control Method</p>	<p>Control mode: Adopt automatic control system, it can run automatically after setting the program from room temperature to set temperature.</p> <p>The system is controlled by SCR, the temperature control system is modular in design, the structure is simple, and the maintenance is convenient.</p> <p>Adopt Yudian instrument, imported SCR control, programmable 31-segment, multi-segment power limit function, multi-group PID parameter self-tuning function, freely set constant temperature and heat preservation curve, no interference switching function, instrument with temperature correction and compensation Features.</p>
<p>Programming curve segment number</p>	<p>The 31 paragraph can be adjusted to reduce the unnecessary trouble caused by artificial timing.</p>
<p>Display accuracy</p>	<p>±1°C</p>
<p>Digital display</p>	<p>Measuring temperature and setting temperature double display</p>

Control characteristics	Control system modular structure, long life design of key components of the equipment, simple and reliable process, good stability and high precision.
Air cooling system	<p>The fan impeller is mounted directly on the bottom of the double furnace shell and assembled with the control system. When the sintering furnace is heated, air cooling can reduce the surface temperature of the furnace shell and protect the heat of the electric appliance, and the personnel operation is safer and the efficiency is improved.</p> 
Refractory	<p>The lining is made of high-quality high-purity alumina fiber, vacuum-formed fiber-reinforced light-weight board material, light-weight hollow-balloon alumina board, high temperature, low heat storage, resistance to rapid heat and cold, no cracks, no slag, good insulation performance (The energy saving effect is more than 80% of the old electric furnace). The double-furnace structure patent is a patented feature that not only heats up quickly, but also has durability and long-term use without collapse.</p> 

<p>Heat insulating material</p>	<p>High quality alumina multi-fiber insulation material, the insulation layer is 150 mm.</p> 
<p>Shell</p>	<p>The furnace shell is welded with steel plate and profile. The shell is equipped with removable protective board, and the protective board is electrostatically sprayed and lacquer. Fine workmanship, beautiful and generous.</p>
<p>Furnace structure</p>	<p>Double-layer furnace shell structure, air-cooled circulation, reducing the temperature of the shell. Shell surface temperature < 60 degrees</p> <p>The surface of the inner furnace is coated with a high-temperature alumina coating to increase the heating efficiency of the equipment and to extend the life of the instrument.</p>
<p>Energy saving performance</p>	<p>Light weight, fast heating, energy saving more than 50%, save time and labor.</p>
<p>Random spare parts</p>	<p>One copy of the instruction, crucible clamp and high-temperature gloves.</p>

PRODUCT DISPLAY

