Silicon Carbide Vacuum Sintering Furnace Internal Circulation Cooling Stable

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: OEM
- Certification: CE Certification
- Model Number: OEM
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Carton, pallet, wooden case or according to customer's package requirements
- Delivery Time: 30 working days
- Payment Terms: 30% deposit + 70% T/T before shipping
- Supply Ability: 20 sets per month

Product Specification

- Name: Vacuum Sintering Furnace
- Feature: Easy Operation
- Dimension(L*W*H): Custom
- Cooling Method: Internal Circulation Cooling
- Max Operating Temp: 2450 ° C
- Application: Silicon Carbide
- Highlight: **industrial vacuum furnace**, **high vacuum furnace**

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Our Product Introduction

Product Description

Silicon Carbide Vacuum Sintering Furnace Internal Circulation Cooling

Vacuum Sintering Furnace Application:

Vacuum Sintering Furnace Mainly used for recrystallization of silicon carbide

Main technical performance and indicators

Maximum operating temperature: 2450 ° C
Common temperature: 2400 ° C
Heating method: induction heating
Working gas in the furnace: nitrogen argon
Temperature uniformity: ≤ ± 10 ° C
Temperature control accuracy: ±1 °C
According to the needs of the sintering process time, multiple electric furnaces can be arranged in a single power supply, and the heating and cooling of the individual furnaces can be respectively performed to achieve continuous operation.
Temperature measurement: WRe5/26 thermocouple (0-1700 °C) + US RATEK dual colorimetric infrared thermometer (1000-3200 ° C); US RATEK monochrome infrared thermometer (300-1100 ° C) + US RATEK double ratio Color infrared thermometer (1000-3200 ° C)
Temperature control: PID intelligent program control and manual control
Superior process performance, making product quality a new step
The silicon carbide sintering furnace has excellent process performance, and the produced product has uniform particles, complete reaction, high carbon content and good quality;
The device adopts multi-channel data acquisition and displays and operates on the man-machine interface. The operating parameters are clear at a glance, the operation is simple, and the labor intensity is low;
The device has data recording and dumping functions, and the data can be viewed through the historical curve and can be transferred to the mobile storage medium;
Energy-saving, special coil and insulation structure, stable power output and high electrical efficiency.

Volume (L)	192	350	484	1920
Rated temperature (°C)	2400	2400	2400	2400
Limit temperature (°C)	2450	2450	2450	2450
Effective heating zone (mm)	400X400X1200	500X500X1400	550X550X1600	800X800X3000
Power (KW)	150	250	350	550
Frequency (HZ)	1500	1000	1000	1000
Temperature control method	Japanese island electric thermostat			
heating method	Induction heating			
Vacuum system	Spool valve vacuum pump + Roots vacuum pump			
Sintering atmosphere	N2, Ar2, etc.			
Rated power supply voltage (V)	380			
Rated heating voltage (V)	According to the design, configure the transformer			
Vacuum limit (pa)	40 (vacuum cold state)			

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