



Single Room Vacuum Sintering Furnace For Silicon Carbide Processing 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: Silicon Carbide Vacuum Sintering Furnace
- Type: Induction Furnace
- Usage: Sintering Furnace
- Power: 150KW - 550KW
- Rated Temperature: 2400
- Limit Temperature: 2450
- Highlight: industrial vacuum furnace, vacuum tempering furnace

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Product Description

Single Room Vacuum Sintering Furnace For Silicon Carbide Processing

Silicon Carbide Vacuum Sintering Furnace Feature:

1. Silicon carbide sintering furnace is the key equipment of producing silicon carbide material, the silicon carbide products sintered by this equipment has excellent processing property. Products of uniform strength, complete reaction, combination of high content and good quality; with dewaxing system, strengthen the dewaxing effect, more stable atmosphere in the furnace, extending the service life of carbon felt and the heating material. Using resistive or inductive heating, graphite tube heater of long service life, good heating effect, convenient maintenance.
2. Horizontal structure, single room, front door or double doors front and back, simple and convenient operation. The equipment layout is reasonable and compact, small occupying area.
3. The cooling of the furnace body is cooled by natural cooling, and the low temperature section can be cooled by filling the inert gas with positive pressure to speed up the cooling rate. Exclusive design of the furnace body explosion-proof valve, safe and reliable.

Silicon Carbide Vacuum Sintering Furnace Application

silicon carbide 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: $\leq \pm 10^\circ\text{C}$

Temperature control accuracy: $\pm 1^\circ\text{C}$

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	N ₂ , Ar ₂ and other gases			
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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