Induction Heating High Temperature Furnace Sintering For Silicon Carbide

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: High Temperature Sintering Furnace
- Maxi Operating Temp: 2450 ° C
- Common Temperature: 2400 ° C
- Heating Method: Induction Heating
- Usage: Silicon Carbide / Ceramics / Hard Alloy
- Temp Control Accuracy: ±1 °C
- Highlight: **high temperature vacuum furnace**, **high temp furnace**

Our Product Introduction

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Product Description

Induction Heating High Temperature Sintering Furnace For Silicon Carbide

High Temperature Sintering Furnace Application:

High Temperature Sintering Furnace Is Applied For Vacuum Sintering And Heat Treatment Of Permanent Magnet Materials And Diamond Tools.On The Basis Of Digesting And Absorbing Overseas Advanced Technology, Undergoing Improvement And Refinement Time After Time,It Has Become Proven Perfect,Specialized Vacuum Sintering Furnace.It Features High Pumping Capacity,High Vacuum.Uniform Temperature And No Leakage.It Has Two Kinds Of Cooling Methods:Internal Circulation Cooling And External Circulation Cooling.

Main Specifications

Maximum operating temperature: 2450 ° C
Common temperature: 2400 ° C
High temperature zone volume: 200-2000mm × 300-4000mm; or square
Heating method: induction heating
Working gas in the furnace: nitrogen argon
Temperature uniformity: ≤ ± 10 ° C
Temperature control: PID intelligent program control and manual control
Temperature control accuracy: ±1 °C
According to the needs of the sintering process time, multiple electric furnaces can be configured with a single power supply, and the individual furnaces are respectively energized, cooled, and cooled 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)
The device adopts multi-channel data acquisition and displays and operates on the man-machine interface. The operating parameters are clear at a glance, easy to operate and low in labor intensity.
The device has data logging and dumping functions, and the data can be viewed through historical curves and can be transferred to removable storage media.

Product Model Specification	
Volume (L)	192
Rated Temperature (°C)	2400
Limit Temperature (°C)	2450
Effective Heating Zone (Mm)	400X400X1200
Power (KW)	150
Frequency (HZ)	1500
Temperature Control Method	Japan Island Electric Thermostat
Heating Method	Induction heating
Vacuum System	Rotary vane vacuum pump or spool type vacuum pump + Roots vacuum pump (vacuum degree requirement plus oil distribution pump)
Sintering Atmosphere	N2, Ar2 and other gases
Rated Power Supply Voltage (V)	380
Rated Heating Voltage (V)	According to the design, configure the transformer
Vacuum Limit (Pa)	6X10¯2 (vacuum cold state)

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