Atmosphere High Temperature Furnace Sintering With Data Logging Functions

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: Atmosphere High Temperature Sintering Furnace
- Feature: Easy Operation
- Dimension(L*W*H): Custom
- Effective Heating Zone (mm): 400X400X1200
- Max Operating Temp: 2450 ° C
- Application: Silicon Carbide, Ceramics
- Highlight: **vacuum brazing furnace**, **high temp furnace**

Product Description

Atmosphere High Temperature Sintering Furnace With Data Logging Functions

Application :

The atmosphere sintering furnace is mainly used for sintering of vacuum and atmosphere sintering of alloy materials such as silicon carbide, ceramics, cemented carbide, powder metallurgy, tungsten, molybdenum, alumino-nickel-cobalt permanent magnet, Smco5, Sm2co17, aluminum iron shed, titanium alloy, etc. The sintering process time needs to be able to configure multiple electric furnaces in a single power supply, respectively, to power up and power down and cool down the individual furnaces to achieve continuous operation.

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 resistance 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 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)
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.

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	800
Frequency (HZ)	1500	1000	1000	1000
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 with high oil distribution diffusion 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)	6X10¯2 (vacuum cold state)			

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