



## Graphite Material Vacuum Sintering Furnace For Powder Metallurgy 1600 °C

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
- Application: Silicon Carbide, Ceramics
- Dimension(L\*W\*H): 300X300X400
- Cooling Method: Internal Circulation Cooling
- Max Operating Temp: 1600 °C
- Highlight: **industrial vacuum furnace, high vacuum furnace**

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## Product Description

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#### Application of Vacuum Sintering Furnace

**Vacuum Sintering Furnace** Widely used in powder metallurgy injection molding (MIM) sintering, rare earth permanent magnet materials, hard alloys, ceramic materials, titanium alloys and other materials vacuum sintering and diamond tool sintering (welding) and vacuum heat treatment process. The series of furnace type structure is mature and practical, and the furnace type and configuration are more. It is a general-purpose equipment used in the field of powder metallurgy sintering.

#### Technical parameters and specifications:

Inflation pressure  $\leq 0.1\text{MPa}$  (absolute pressure)

High vacuum/medium vacuum configurations are available freely depending on material process requirements. (This item is user selectable)

The control of the equipment is automatic control throughout the whole process. Automatic and manual operation can achieve bumpless switching. The vacuum degree, temperature and heating power can be automatically recorded during the operation of the equipment, and the data in the production process can be viewed at any time. The device is controlled by a combination of a touch screen and a programmable controller (PLC) for easy and intuitive operation.

The main components of the control system are brand-name products to minimize the failure rate.

The control system is equipped with alarm functions such as over-temperature, over-pressure and water-breaking. The system can automatically process according to the needs, which can reduce the damage to the equipment and ensure the safety of personnel.

The temperature control system uses Japan Island Electric.

Volume (L)	36	96	175	432	784
Effective heating zone (mm)	300X300X400	400X400X600	500X500X700	600X600X1200	700X700X1600
Limit temperature (°C)	1600	1600	1600	1600	1600
Power (KW)	60	90	150	210	300
heating method	Resistance heating				
Vacuum system	Slide valve pump + Roots pump or increase diffusion pump as required				
Rated heating voltage (V)	According to the design, configure the transformer				
Vacuum limit (Pa)	2×10-3Pa				



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