



## Horizontal Graphitization High Temperature Furnace For Carbon Materials Graphitization

Our Product Introduction

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### 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: Horizontal High Temperature Graphitization Furnace
- Feature: Low Energy Consumption
- Capacity: 192 - 484L
- Rated Heating Voltage (V): 3000
- Limit Temperature: 2800
- Highlight: vacuum brazing furnace, high temp furnace



## Product Description

### Horizontal Graphitization Furnace Good Stability For Carbon Materials Graphitization

#### Technical parameters and specifications

The temperature uniformity of the furnace body: the medium frequency induction heating, fast heating, high efficiency, unique furnace design, greatly improving the temperature uniformity of the furnace;

Unique design: the world's first induction coil adopts arch design, which completely solves the problem of insulation and bearing of horizontal induction furnace;

Good stability and low energy consumption: the world's first double-layer alumina brick insulation material is used to prevent carbon felt and coil short circuit, good heat insulation and fire resistance, low heat loss and good equipment stability;

According to the needs of the sintering process time, a plurality of electric furnaces can be arranged in a single power supply, and the plurality of furnaces are respectively energized to raise temperature and power off and cool down to achieve continuous operation;

Digital flow monitoring system, water flow monitoring and protection of each power supply cabinet, high-performance intermediate frequency contactor for furnace conversion; comprehensive PLC water, electricity and gas automatic control and protection system.

#### Application:

Horizontal graphitization furnace is mainly used for graphitization experiment and production of various carbon materials at 3000 °C.

It is applied to the graphitization of carbon materials; the stereotyped graphitization of carbon fiber filaments and other materials that can be sintered in a carbon environment. According to the needs of the sintering process time, a plurality of electric furnaces can be arranged in a single power supply, and the heating and heating of the individual furnaces are respectively performed. Electric cooling, to achieve continuous work.

Product Model Specification	
Volume (L)	1000
Rated Temperature (°C)	2800
Limit Temperature (°C)	3000
Effective Heating Zone (Mm)	Φ900X1600
Power (KW)	600
Frequency (HZ)	1000
Temperature Control Method	Japanese island electric thermostat
Heating Method	Induction heating
Vacuum System	Rotary vane vacuum pump (high vacuum requirement with Roots vacuum pump)
Sintering Atmosphere	N2, Ar2 and other gases
Rated Power Supply Voltage (V)	380
Rated Heating Voltage (V)	750
Vacuum Limit (Pa)	100 (vacuum cold state)



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