

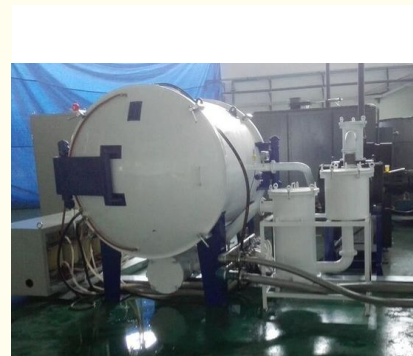
1600°C 10-3Pa Innovative Sintering Furnace

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: Microwave Sintering Furnace
- Heating Source: Microwave
- Working Temperature: 1550°C In Atmosphere, 1450°C In Vacuum
- Temperature Control Precision: $\pm 0.1\%$
- Static Ultimate Vacuum Degree: $\leq 10^{-3}$ Pa
- Warranty: 1 Year
- Highlight: industrial vacuum furnace, vacuum tempering furnace

Product Description

1600°C Vacuum Degree Less Than 10⁻³Pa Innovative Sintering Furnace

Product Features

The Microwave Vacuum Sintering Furnace is standard multifunctional furnace with large heating space, fast heating speed, high heating efficiency and good product property, which makes it an ideal choice for microwave sintering. is capable of continuously maintaining high vacuum degree, which is especially suitable for synthesis or sintering process requiring for high vacuum condition.

is equipped with a water cooling system and the vacuum degree can reach up to less than 10⁻³Pa.

Upon request, can work continuously under 1550°C in atmosphere and 1450°C in vacuum.

Applications

Apart from vacuum sintering process, can also be applied to thermal treatment of metal materials required for high vacuum and protective atmosphere.

has a robust construction and offers rapid and highly consistent heating process in controlled atmosphere, which is suitable or numerous heavy duty industrial and laboratory applications.

Technical Parameters

Parameters		
Power	Voltage	380±10V 50Hz three-phase
	Rated Power	13KW
Microwave System	Microwave Output Power	0.10~4.20KW continuously adjustable
	Microwave Frequency	2.45GHz
	Microwave Leakage Prevention	microwave leakage intensity <2mW/cm ²
Thermal Insulation System	T _{max}	1600°C in atmosphere, 1500°C in vacuum
	Working Temperature	1550°C in atmosphere, 1450°C in vacuum
	Heating Space (D×H)	Φ150×120mm
Temperature Control System	Temperature Measurement Method	infrared thermometer
	Temperature Measurement Range	300~1800°C
	Temperature Control Precision	±0.1%
Control System	Auto, Manual and Isothermal Controlling Mode, PLC+Touch Screen	40 segments of programmable technical parameters, data storage and export, real-time curve data display, dynamic data display
Atmosphere system	Static Ultimate Vacuum Degree	≤10 ⁻³ Pa
	2 Circuits to Control Atmosphere	capable of oxidizing gas, inert gas, weak reducing gas etc. continuously maintain high vacuum degree
	Rotary Sealing	magnetic fluid, 4~6rpm
Safety System	Magnetron Alarm	over temperature alarm, over-current alarm
	Furnace Door Protection Alarm	furnace door shutdown sensor
	Cooling Water Flow Alarm	overflow alarm
Cooling System	High Precision Cooling-Water Machine	flow rate of 2m ³ /h, rated cooling capacity of 5.2KW
Overall Dimension	Furnace Body(L×W×H)	ca. 2100×1600×2000mm



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