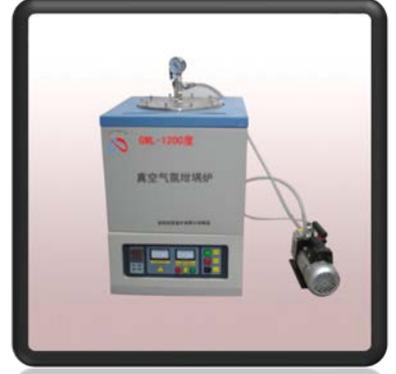


## High Temperature Pit-type Furnace



Furnace and heating process equipment  
widely using at  
Institutions of higher learning  
scientific research institutions  
experimental laboratory  
industrial and mining enterprises

The equipment designed for pyrolysis, melting, analysis and production ceramics, metallurgy, electronics, machinery, chemical, glass, refractories, for develop new material, special materials, construction materials, the equipment is suitable for institutions of higher learning and laboratory of scientific research institute and industrial and mining enterprises.

**[www.gwdl.net](http://www.gwdl.net)**

 Made In China



### **China Made**

Guoju with 200 employees have been developing and producing industrial furnaces for many different applications for over 10 years. As a furnace manufacturer, Guoju offers the widest and deepest range of furnaces. Around 1000 satisfied customers in more than 34 Provinces offer proof of our commitment to excellent design, quality and cost efficiency. Short delivery times are ensured due to our complete inhouse production and our wide variety of standard furnaces.

### **Excellent Quality、High Reputation**

product has the advantages of automatic control, fast heat, energy saving, simple operation, programmable microcomputer control, automatic temperature control, temperature control precision and high precision of constant temperature, the furnace shell temperature is close to indoor temperature etc., we got excellent feedback from our customers! After years of development the company has a maturity high temperature kiln production line, and also has a Middle or high scientific research team, it is a specializes in the research and production and marketing integrated private enterprise. Our company based on the principle of seeking truth from facts innovation first and user foremost, keep introduced advanced technology and modern management experience from domestic and international, and also made the rigorous process standard and strict quality control system and testing method.

### **Sales and Service Network - Close to you**

All type furnace and kiln have the high level of automation, are of domestic leading position, sold to 20 provinces, cities, autonomous regions, special economic regions, state major university, state major laboratory, institute of Chinese academy of sciences, Chinese institutions of higher learning, which has been exported to North America, Russia, Philippines, Japan and other countries. Also have the high reputation in the same industry.

### **Customer Service and Spare Parts**

The staff of our company's customer service department will be eager to answer all the questions which you ask. Due to our complete inhouse production, we can dispatch most spare parts from stock over night or produce with short delivery time.

## High Temperature Precision Pit-type Furnace



### **GWL Series 1200°C-1800°C High Temperature Precision Pit-type Furnace**

The equipment designed for pyrolysis, melting, analysis and production ceramics, metallurgy, electronics, machinery, chemical, glass, refractories, for develop new material, special materials, construction materials, the equipment is suitable for institutions of higher learning and laboratory of scientific research institute and industrial and mining enterprises.

The control panel equipped with the intelligent adjustment device, power control switch, main working/stop button, voltmeter, ammeter, Computer interface, Observe port / Air inlet port, for convenience to observe the furnace working status, the product using reliable integrated circuit, excellent working environment, anti-interference, the highest temperature of furnace shell temperature is less than 45 can greatly improve the working environment, micro computer program control, programmable setting temperature rise curve, Fully automatic temperature rise / cooling, Temperature control parameters and programs can be modified during operation, which is flexible, convenient and simple in operation.

Temperature Control Accuracy:  $\pm 1^{\circ}\text{C}$ , Temperature Constant Accuracy:  $\pm 1^{\circ}\text{C}$ . Fast Temperature rise rate, Maximum heating rate  $\leq 30^{\circ}\text{C}/\text{min}$ . Furnace hearth materials made up by vacuum forming high purity alumina light materials (Will be changing due to the temperature required), High temperature for use, Less heat storage amount, Tolerance the extremely heating and cold, no crack, No dregs, Excellent thermal insulation performance (the energy saving effect is over 60% of the traditional furnace). Reasonable structure, Double layer furnace cover, Air cooling, Greatly shortening the experimental period.



Model	GWL-J				
Working Temperature	800°C	1000°C	1200°C	1400°C	1600°C
Maximum Temperature	850°C	1050°C	1250°C	1450°C	1650°C
Heating Element	Alloy Resistance Wire  Silicon Carbide Rod			Silicon Carbide Rod	Silicon molybdenum rod
Diameter Of Furnace Hearth	Can be customize (Maximum Diameter 800 MM)				
Height Of Furnace Hearth	Can be customize (Maximum Height 1500 MM)				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30°C/min   1°C/h) Company suggest(1-20°C/min)				
Temperature Control Point	3				
Rated Voltage	380V				
Control Method	Multichannel integrated synchronization control				
Temperature Uniformity	800MM:±1°C; 1300MM: ±5°C.				
Temperature Control Accuracy	±1°C				
Furnace Lining Materials	Import Alumina Fiber Board				
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.				

**Characteristic:****Operational Simplicity, Top Open, Excellent Temperature Uniformity.**

1. Energy-saving (furnace hearth made up by import fiber material, excellent thermostability, Tolerance the extreme heat and cold.)
2. Double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on)
3. Furnace surface after spraying plastics it will resistance acid and alkali and also having corrosion-proof, the furnace wall temperature approaching the indoor temperature.

Furnace Hearth Can Be Customized, More Details Please Contact Us

## Vacuum Atmosphere Pit-type Furnace

### GWL-ZQJ



#### **GWL Series 1200°C-1800°C High Temperature Vacuum Atmosphere Pit-type Furnace**

The equipment designed for pyrolysis, melting, analysis and production ceramics, metallurgy, electronics, machinery, chemical, glass, refractories, for develop new material, special materials, construction materials, the equipment is suitable for institutions of higher learning and laboratory of scientific research institute and industrial and mining enterprises.

The control panel equipped with the intelligent adjustment device, power control switch, main working/stop button, voltmeter, ammeter, Computer interface, Observe port / Air inlet port, for convenience to observe the furnace working status, the product using reliable integrated circuit, excellent working environment, anti-interference, the highest temperature of furnace shell temperature is less than 45 can greatly improve the working environment, micro computer program control, programmable setting temperature rise curve, Fully automatic temperature rise / cooling. Temperature control parameters and programs can be modified during operation, which is flexible, convenient and simple in operation.

Temperature Control Accuracy:  $\pm 1^{\circ}\text{C}$ , Temperature Constant Accuracy:  $\pm 1^{\circ}\text{C}$ . Fast Temperature rise rate, Maximum heating rate  $\leq 30^{\circ}\text{C}/\text{min}$ . Furnace hearth materials made up by vacuum forming high purity alumina light materials (Will be changing due to the temperature required), High temperature for use, Less heat storage amount, Tolerance the extremely heating and cold, no crack, No dregs, Excellent thermal insulation performance (the energy saving effect is over 60% of the traditional furnace). Reasonable structure, Double layer furnace cover, Air cooling, Greatly shortening the experimental period.



Model	GWL-ZQJ				
Working Temperature	1200°C	1400°C	1600°C	1700°C	1800°C
Maximum Temperature	1250°C	1450°C	1650°C	1750°C	1820°C
Heating Element	Silicon Carbide Rod		Silicon molybdenum rod		
Diameter Of Furnace Hearth	200MM   300MM   500MM  600MM				
Height of furnace hearth	300MM  500MM  800MM  1000MM				
Vacuum Degree	-0.1MPa				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify ( 30°C/min   1°C/h ) , Company Suggest 10-20°C/min.				
Pressure Protection	The system is specially made to prevent the danger of closure of the exhaust port, the blockage of the exhaust port and the excessive pressure of the furnace tube. The signal is obtained by the electric contact pressure meter or pressure sensor then the drive control module will close the electromagnetic inlet valve and starts the electromagnetic exhaust valve and the alarm. to ensure the furnace can be used properly and safely.				
Rated Voltage	380V				
Temperature Uniformity	±1°C				
Temperature Control Accuracy	±1°C				
Furnace Inner Tank Materials	Sealed with the stainless steel 310S Material ( Vary according furnace temperature ) , Can be removable under high temperature environment.				
Furnace Lining Materials	Alumina Polymer Light Material				
Vacuum Pump	Double stage direct rotary vane vacuum pump				
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.				

**Characteristic:****Operational Simplicity, Less land occupation, Top open.**

1. Temperature accuracy: ±1°C ; Constant temperature: ±1°C(Base on Heating zone size ) 。
2. Simplicity for operation, programmable, PID automatic modify, automatic temperature rise, automatic temperature retaining , automatic cooling, unattended operation
3. Cooling structure: Air + Water Cooling.
4. Furnace surface temperature approach the indoor temperature.
5. double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on)
6. Importing refractory, excellent temperature retaining effect, high temperature resistance, Tolerance the extreme heat and cold
7. More gas options (Oxygen、Nitrogen、Argon、hydrogen and so on)

Furnace Hearth And Atmosphere Can Be Customized, More Details Please Contact Us

## Top-Open Pit-type Furnace



### **GWL Series 1200°C-1800°C High Temperature Vacuum Atmosphere Chamber Furnace (Corrosion Resistance Without Water Cooling)**

The equipment designed for pyrolysis, melting, analysis and production ceramics, metallurgy, electronics, machinery, chemical, glass, refractories, for develop new material, special materials, construction materials, the equipment is suitable for institutions of higher learning and laboratory of scientific research institute and industrial and mining enterprises.

The control panel equipped with the intelligent adjustment device, power control switch, main working/stop button, voltmeter、ammeter、Computer interface、Observe port /Air inlet port, for convenience to observe the furnace working status, the product using reliable integrated circuit, excellent working environment, anti-interference, the highest temperature of furnace shell temperature is less than 45 can greatly improve the working environment. micro computer program control, programmable setting temperature rise curve, Fully automatic temperature rise / cooling, Temperature control parameters and programs can be modified during operation, which is flexible, convenient and simple in operation.

Temperature Control Accuracy :  $\pm 1^{\circ}\text{C}$ , Temperature Constant Accuracy :  $\pm 1^{\circ}\text{C}$ . Fast Temperature rise rate, Maximum heating rate  $\leq 30^{\circ}\text{C}/\text{min}$ . Furnace hearth materials made up by vacuum forming high purity alumina light materials(Will be changing due to the temperature required), High temperature for use, Less heat storage amount, Tolerance the extremely heating and cold、no crack, No dregs, Excellent thermal insulation performance (the energy saving effect is over 60% of the traditional furnace).Reasonable structure, Double layer furnace cover, Air cooling, Greatly shortening the experimental period.



Model	GWL-J				
Working Temperature	1200°C	1400°C	1600°C	1700°C	1800°C
Maximum Temperature	1250°C	1450°C	1650°C	1750°C	1820°C
Heating Element	Silicon Carbide Rod		Silicon molybdenum rod		
Diameter Of Furnace Hearth	230MM (Diameter Can Be Customized)				
Height of furnace hearth	320MM (Height Can Be Customized)				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify ( 30°C/min   1°C/h ) , Company Suggest 10-20°C/min.				
Rated Voltage	380V				
Temperature Uniformity	±1°C				
Temperature Control Accuracy	±1°C				
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.				
<b>Characteristic:</b> <b>Operational Simplicity, Less land occupation, Top open.</b> 1. Temperature accuracy: ±1°C ; Constant temperature: ±1°C(Base on Heating zone size ) 。 2. Simplicity for operation, programmable, PID automatic modify, automatic temperature rise, automatic temperature retaining, automatic cooling, unattended operation 3. Furnace surface temperature approach the indoor temperature. 4. double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on) 5. Importing refractory, excellent temperature retaining effect, high temperature resistance, Tolerance the extreme heat and cold 6. Furnace lining materials: 1200°C: High purity alumina fiber board; 1400°C: High purity alumina contains zirconium fiber board; 1600°C:Import high purity alumina fiber board; 1700-1800°C: Imported German MESCHUPP vacuum forming high purity alumina poly light material.					
Furnace Hearth Can Be Customized, More Details Please Contact Us					