

Chamber 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

 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.

Chamber Furnace GWL-XAD



GWL Series 1200°C High Temperature Chamber Furnace

GWL-XAD Series 1200°C High Temperature Chamber Furnace, Integrated control system and furnace. Furnace lining made up by vacuum forming high purity alumina light materials, using high temperature alloy resistance wire (containing molybdenum and the surface temperature can be up to 1400 degrees) or silicon carbide rod as the heating element.;

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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.

Extensible Structure: GWL-XA (Working Temperature 1200–1800°C)



Model	GWL-1200 XAD
Working Temperature	1200°C
Heating Element	Alloy Resistance Wire Silicon Carbide Rod
Furnace Hearth Dimension	320*200*120 mm 300*200*200 mm 400*250*160mm 500*300*200mm 500*300*300mm
Cubage	7.5 L 12 L 18L 36L 45L
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30°C/min 1°C/h)
Power Rating	3.5 kw 6 kw 7 kw 10 kw 12 kw
Rated Voltage	380V
Temperature Control	Temperature Control System
Temperature Control Accuracy	±1°C
Furnace Lining Materials	Vacuum Forming High Purity Alumina Light Materials
Appearance Dimension	580*450*530 mm 580*450*610 mm 680*500*580mm 780*550*610mm 780*550*730mm
Weight	35 kg 50 kg 55 kg 90 kg 120 kg
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.
Extensible Structure	Hot air circulation, Multiple-surface heating, Anti-corrosion, Multiple temperature Control, Touch Screen Control, Exhaust port& Air Inlet port.

Characteristic:**Open Mode: Side Open , With Lock, The Door Is Rotatable ; Less Land Occupation.**

- 1、Temperature accuracy: $\pm 1^{\circ}\text{C}$; Constant temperature: $\pm 1^{\circ}\text{C}$ (Base on Heating zone size) 。
- 2、Simplicity for operation ,programable automatic modify, automatic temperature rise, automatic temperature retaining , automatic cooling, unattended operation;
- 3、High Speed Temperature rise rate .(temperature rise rate $1^{\circ}\text{C}/\text{h}$ to $30^{\circ}\text{C}/\text{min}$ can be modify);
- 4、Energy-saying (furnace hearth made up by import fiber material, excellent thermostability.)
- 5、Double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on)
- 6、Furnace surface after spraying plastics it will resistance acid and alkali and also having corrosion-proof, the furnace wall temperature approaching the indoor temperature.
- 7、Furnace hearth using Importing refractory material, high temperature resistance, Tolerance the extreme heat and cold.

Furnace Hearth Dimension Can Be Customized, More Details Please Contact Us

Chamber Furnace GWL-XB



GWL Series 1200°C-1800°C High Temperature Chamber Furnace

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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.

Extensible Structure: GWL-XC(Top Open), GWL-XBF(Separated Structure)



Model	GWL-XB				
Working Temperature	1200℃	1400℃	1600℃	1700℃	1800℃
Maximum Temperature	1250℃	1450℃	1650℃	1730℃	1820℃
Heating Element	Silicon Carbide Rod		Silicon Molybdenum Rod		
Furnace Hearth Standard Dimension	240*150*150mm 300*200*200mm 400*200*200 mm 500*300*200mm 500*300*300 mm				
Cubage	5.4L 12 L 16L 30L 45L				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30℃/min 1℃/h)				
Power Rating	4 kw 8 kw 10 kw 13 kw 15 kw				
Rated Voltage	380V				
Temperature Uniformity	±1℃				
Temperature Control Accuracy	±1℃				
Refractories	High Purity Alumina Oxide Fiberboard			Import Morgan Material	
Appearance Dimension	500*600*630 mm 650*760*700 mm 650*750*700 mm 730*860*700 mm 730*860*825 mm				
Weight	80 kg 120 kg 130 kg 150 kg 170 kg				
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.				
Optional Features	Furnace Control Software/Hardware; Touch Screen Control Temperature Controller; Exhaust Port; Air Inlet port; Heat Elements; Observation port; Crucible and so on.				
Extensible Structure	Hot air circulation, Multiple-surface heating, Anti-corrosion, Multiple temperature Control, Touch Screen Control.				
Characteristic: Open Mode: Side Open, With Lock, The Door Is Rotatable ; Less Land Occupation. 1, Temperature accuracy: ±1℃; Constant temperature: ±1℃ (Base on Heating zone size). 2, Simplicity for operation, programable automatic modify, automatic temperature rise, automatic temperature retaining, automatic cooling, unattended operation; 3, High Speed Temperature rise rate. (temperature rise rate 1℃/h to 30℃/min can be modify); 4, Energy-saying (furnace hearth made up by import fiber material, excellent thermostability,) 5, Double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on) 6, Furnace surface after spraying plastics it will resistance acid and alkali and also having corrosion-proof, the furnace wall temperature approaching the indoor temperature. 7, Furnace hearth using Importing refractory material, high temperature resistance, Tolerance the extreme heat and cold.					
Furnace Hearth Dimension Can Be Customized, More Details Please Contact Us					

Chamber Furnace GWL-LB



GWL Series 1200°C-1800°C High Temperature Chamber Furnace

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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.

Extensible Structure: GWL-LBF (Separated Structure)



Model	GWL-LB				
Working Temperature	1200℃	1400℃	1600℃	1700℃	1800℃
Maximum Temperature	1250℃	1450℃	1650℃	1730℃	1820℃
Heating Element	Silicon Carbide Rod	Silicon Molybdenum Rod			
Furnace Hearth Standard Dimension	240*150*150mm 300*200*200mm 400*200*200 mm 500*300*200mm 500*300*300 mm				
Cubage	5.4L 12 L 16L 30L 45L				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30℃/min 1℃/h)				
Power Rating	4 kw 8 kw 10 kw 13 kw 15 kw				
Rated Voltage	380V				
Temperature Uniformity	±1℃				
Temperature Control Accuracy	±1℃				
Refractories	High Purity Alumina Oxide Fiberboard		Import Morgan Material		
Appearance Dimension	500*550*1300mm 600*600*1350mm 700*600*1350mm 800*700*1350mm 800*700*1450 mm				
Weight	100 kg 140 kg 150 kg 180 kg 190 kg				
Standard Accessories	Heating Elements 2 Pieces, Specification Certificate, One Piece Heat Insulation Brick, A Pair Crucible Pliers, One Pair Of High Temperature Gloves.				
Optional Features	Furnace Control Software And Hardware; Touch Screen Control Temperature Controller; Exhaust Port; Air Inlet port; Heat Elements; Observation port; Crucible and so on.				
Extensible Structure	Hot air circulation, Multiple-surface heating, Anti-corrosion, Multiple temperature Control, Touch Screen Control.				
Characteristic: Open Mode: Side Open , With Lock ,The Door Is Rotatable ; No need working table. 1 ,Temperature accuracy: ±1℃ ; Constant temperature: ±1℃(Base on Heating zone size) . 2, Simplicity for operation, programable automatic modify, automatic temperature rise, automatic temperature retaining, automatic cooling, unattended operation; 3, High Speed Temperature rise rate. (temperature rise rate 1℃/h to 30℃/min can be modify); 4, Energy-saying (furnace hearth made up by import fiber material, excellent thermostability,) 5, Double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on) 6, Furnace surface after spraying plastics it will resistance acid and alkali and also having corrosion-proof, the furnace wall temperature approaching the indoor temperature. 7, Furnace hearth using Importing refractory material, high temperature resistance, Tolerance the extreme heat and cold.					
Furnace Hearth Dimension Can Be Customized, More Details Please Contact Us					