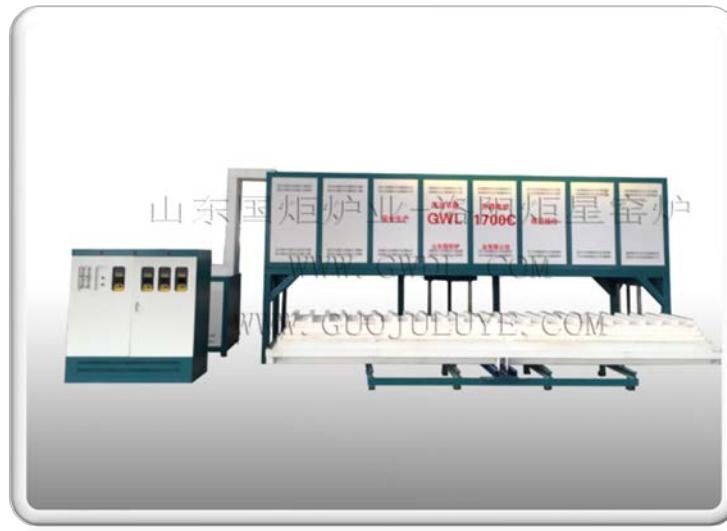




6 Meters Large Scale Lift Furnace

(With Touch Screen Control System)

(GWL-SS)



GWL Series 1200°C-1800°C High Temperature 6 Meters Large Scale Lift 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-SS								
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							
Furnace Hearth Dimension	1300*750*600 mm 1300*600*600 mm 1500*800*800 mm 2500*800*800mm 5000*800*600 mm								
Quantity Of Loading Platform	1 or 2								
Loading Platform Capacity	1000 KG(Can be customized)								
Lift Method	Electric Machinery Double Screw Mandrel Lift (Lift Speed adjustable)								
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								
Optional Function	Control software and hardware; Touch Screen Control Temperature Controller; Exhaust Port or View Port, and So on.								
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves								
Characteristic:									
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: Double layer furnace shell, air 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)								
8.	Furnace hearth materials: 1200°C: High Purity Alumina Fiber Board; 1400°C: High purity alumina (Contain zirconium) fiberboard; 1600°C: Import High Purity Alumina Fiber Board; 1700°C-1800°C: High Purity alumina polymer fiber board.								
Furnace Hearth Can Be Customized, More Details Please Contact Us.									



Touch screen control	
Screen Dimension	7inch; 10inch; 14inch TFT True Color
Appearance Dimension	206W*156H*50D(mm) , 280W*200H*50D(mm)
Display Resolution	800*480
Background Light	LED
Power Rating	5W
Weight	1KG
Operation Language	Chinese/English (Switch freely)
Screen Display And Operation	Dashboard, Photo Column, Historical Trend, Data Report, Alarm Information, Data Export, Process Flow, System Management, etc.
Control Objective	Temperature, Pressure, Flux And Liquid Level and so on
Temperature Control	Touch Screen & High Precision Integrated Module
Start Temperature Rise	Touch operation
Pause Temperature Rise	
Stop Temperature Rise	
Loading Platform Passed In And Out	
Loading Platform Raise And Fall	
Start, Pause, Stop, Program	Base on furnace structure or process flow
Flow Chart	
Temperature Curve Formulation	Touch to operation, 30 segments of each curve
Storage Quantity Of Temperature Curve	Unlimited (each curve can be named in English or Chinese)
Real-time Display	Name of operation curve, Operation Code, Segment time, Segment running time、digital temperature、real-time curve、power output 100%
Selection Segment No. To Start Segment (Cross Segment Start)	Touch to Operation
Curve range	Can Be Modify
Curve Record	Storage Around 20 Month
Data Report (EXCEL)	Multipoint simultaneous display (USB Extension Support)
History curve, Report record (save) time interval	1s-3600s Can be modify, Multi point simultaneous display (Usb Extension Support)
Alarm Instructions	Color Change(Red)
Alarm Information Language	Chinese Display (Alarm Description and time)
Data Output Port	USB
Printer Interface	Parallel Port
Touch Screen Safety Protection	Password Control (Without password cannot doing operation)
Communication Interface	RS485