

## Bogie Hearth Electric Furnaces (GWL-STCC)



### GWL Series 1200°C-1800°C Bogie Hearth Electric Furnaces

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-STCC				
Working Temperature	1200°C	1400°C	1600°C	1700°C	1800°C
Maximum Temperature	1250°C	1450°C	1650°C	1750°C	1820°C
Furnace Door Open method	The furnace door and furnace bottom side are integrated, electric control furnace door, the motor drive reducer drives the loading platform passes in and out, and the limited bit switch is installed				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30°C/min   1°C/h) , Company Suggest 10-20°C/min.				
Refractories	High purity alumina fiber polymer light material				
Loading Platform Capacity	100Kg to 10Ton (Can be modify)				
Loading Platform Passes In And Out	Electric machinery				
Rated Voltage	220V/380V				
Temperature Uniformity	±1°C				
Temperature Control Accuracy	±1°C				
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.				
Furnace Hearth Standard Dimension					
Furnace Hearth Dimension	Power Rating	Weight	Appearance Dimension		
800*400*400mm	35KW	Around 450Kg	1500*1000*1400mm		
1000*500*500mm	45KW	Around 650Kg	1700*1100*1500		
1500*600*600mm	75KW	Around 1000Kg	2200*1200*1600		
2000*800*700mm	120KW	Around 1600Kg	2700*1300*1700		
2400*1400*650mm	190KW	Around 4200Kg	3600*2100*1700		
3500*1600*1200mm	280KW	Around 8100Kg	4700*2300*2300		
<b>Characteristic:</b>					
<b>Open Model: Bottom 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. 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. 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.					
8. Heating Elements: 1200°C: Silicon Carbide Rod or Electric Resistance Wire; 1400°C: Silicon Carbide Rod ; 1600-1800°C: Silicon molybdenum Rod					
Furnace Hearth Can Be Customized, More Details Please Contact Us					