

Equipment Name: GWDL-1000SS Atmosphere Lifting Electric Furnace



temperature	1000 $^{\circ}$
model	GWL-1000
Furnace size	Length x Width x Height: 2000mm x 1200mm x 1000mm
Voltage	380V 50HZ/180KW
Temperature sensing element	Thermocouple type K, temperature range 0-1200 degrees Celsius
The heating element and mounting location are protected by silicon carbide rods and quartz tubes around it, and the bottom resistance wire is protected by a quartz tube.	
Temperature control accuracy	Temperature control is divided into two zones: one at the bottom and one around the perimeter.
Furnace temperature uniformity	± 5 degrees (depending on furnace size)

Temperature control system	Equipped with a 10-inch touchscreen for centralized control, the temperature controller uses high-precision 50-segment temperature control, the touchscreen can store 15 sintering curves, the PLC uses international first-class (brand Siemens), and the power regulator is an integrated type (Sichuan Yingjie) that can control various modes such as constant current, constant voltage, and constant power, and can communicate voltage, current, and power.
Sintering plate	The furnace body is equipped with 60 firing plates (330*330*20mm) and 120 support pillars (65*65*230mm).
Electrical protection	The system employs an integrated modular control unit, ensuring accurate control precision. It also features dual-loop control and dual-loop protection, providing protection against overshoot, over-adjustment, under-adjustment, thermocouple breakage, phase loss, overvoltage, overcurrent, overtemperature, current feedback, and soft start.
heating rate	The heating rate is freely adjustable, with an adjustment range of: fastest heating rate of 0.1-10 degrees per minute and slowest heating rate of 1 degree per hour (1 degree/h).
Intake/Exhaust	The air inlets are located around the lower part of the side walls, with eight inlets connected to a single main pipe. Each inlet is equipped with two flow meters to control the air inlet switch according to the heating program. The air outlet is located at the top of the furnace, with a DN40 flange.
Pressure control	Equipped with a digital display pressure transmitter (0-5000 Pa), it enables micro-positive pressure sintering processes. It automatically vents when the pressure exceeds the set value and automatically shuts off when the pressure falls below the set value. Safety protection automatically closes the intake valve when the pressure exceeds the maximum set limit.



LUOYANG JUXING KILN CO., LTD

高新技术企业/专精特新企业

专业的高温加热制造工厂 (-60°C~2600°C)

中国热处理行业协会理事单位

ISO9001:质量管理体系认证

欧盟CE产品认证



电话/邮箱
13271526781
+86 379-69936789
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Furnace body	The furnace body O-rings are made of fluororubber, with a temperature resistance of up to 260 degrees Celsius. The seals are CNC machined and manufactured through processes including polishing, grinding, pickling, phosphating, powder coating, and high-temperature baking. They have a novel and attractive appearance and possess advantages such as oxidation resistance, acid and alkali resistance, corrosion resistance, high-temperature resistance, and easy cleaning.
Loading platform lifting + inlet/outlet	The furnace door is electrically raised and lowered, and the furnace body can be electrically removed, enabling one-button start-up.
The charging platform is combined with the furnace opening.	The furnace door opens by vertical lifting from the bottom; the charging platform and the furnace opening have 3-4 layers of tapered steps for soft sealing, and elastic high-temperature sealing strips are arranged on the steps to effectively absorb the expansion of the refractory material at the furnace opening and the charging platform.
Refractory materials	It is made of vacuum-formed high-purity alumina lightweight material combined with high-purity alumina hollow spheres, which ensures both thermal insulation and load-bearing performance.
Random accessories	Two heating elements, two sets of rods, one crucible tongs, and one pair of high-temperature gloves.



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Warranty coverage and period	The electric furnace comes with a one-year free warranty, but the heating element is not covered by the warranty (it will be replaced free of charge if it fails naturally within three months).
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List of main components of Juxing kiln

Serial Number	Item Name		Classification						factory	Remark	
			1200 Spend	1400 Spend	1600 Spend	1700 Spend	1800 Spend	1900 Spend			
1.	Outer shell	Double layer shell	••••• Juxing Kiln								
2	electro-thermal element	Electric heating Heater	high temperature alloy resistance Silk	Silicon carbon Great	silicon molybdenum Great	Type Silicon molybdenum rod	1800 Type Silicon molybdenum rod	1850 Type Silicon molybdenum rod	1900 Type Silicon molybdenum rod	Juxing Kiln	
3	Electrical Appliances	Temperature control instrument	858P 858P 858P 858P 858P 858P	858P 858P 858P 858P 858P Xiamen	858P 858P 858P 858P 858P Yudian						
4	control part	Thermoelectric even	K	S	B	B	B	B	B+ light fiber	Taisho/Guangming	

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5	Voltage surface	• • • • •	Chint							
6	Current surface	• • • • •	Chint							
7	SCR Adjusting energy instrument	• • • • •	Juxing Kiln							
8	touch instrument	• • • • •						Chint/Deli		
9	Air circuit breaker	• • • • •						Chint/Deli		
10	Button	• • • • •						Chint/Deli		
11	buzzing instrument	• • • • •						Chint/Deli		
12	Quick Melt	• • • • •	Ming Melt							
13	transformer instrument	• • • • •	Juxing Kiln							



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14		ceramics						Oxidation		
		fiber	1260	1500	1700	1800	1850	Zirconium fiber	Juxing Kiln	
15		Plate/Mold						dimension		
		piece						2100		
		Furnace opening								
		refractory	Heat insulation	brick	Juxing Kiln				
16		furnace	(Inside							
		Door)								
		Firing	quartz	quartz	Corundum	Corundum	Corundum	Oxidation		
		plate	ceramics	ceramics	Mo Lai	Mo Lai	Mo Lai	Zirconium fiber	Juxing Kiln	
					stone	stone	stone	dimension		
								2100		

Thank you for contacting us!

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