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Equipment Name: GWDL-1000SS Atmosphere Lifting Electric Furnace





temperature	1000ÿ
model	GWL-1000
Furnace size	Length × Width × Height: 2000mm × 1200mm × 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)

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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.

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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).

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	1800 Type Silicon molybdenum rod	1850 Type Silicon molybdenum rod	1900 Type Silicon molybdenum rod	Juxing Kiln	
3	Electrical Appliances control part	Temperature control instrument	858P 858P 858P 858P 858P 858P Xiamen Yudian							
4		Thermoelectric even	K	S	B	B	B	B+ light fiber	Taisho/Bright	

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

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GWDL 洛阳炬星电窑炉
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
thermo@gwdl.com

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

Thank you for contacting us!

Thank you for contacting us! Company Name: Luoyang Ju Xing Kiln Co., Ltd. Company Address: Advanced Manufacturing Cluster Area, Jianxi District, Luoyang City
Company Address: Jianxi District, Luoyang advanced manufacturing enclave

Main website: www.gwdl.com Email : thermo@gwdl.com Contact information: 13271526781, 0379-69936789 Address : No. 1, Xingye 1st Road, Science and Technology Industrial Park , Jianxi District, Luoyang City, Henan Province

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Contact information: 13271526781, 0379-69936789

Website addresses: www.gwdl.com, www.gwdlcom.cn, www.gwdl.org, www.gwdl.cn