



**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

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+86 379-69936789

thermo@gwdl.com

Widely used in ceramics, metallurgy, electronics, glass, chemicals, machinery, refractory materials, etc.

New materials development, special materials, building materials and other fields.

Features:

1. Control accuracy:  $\pm 1\text{ }^{\circ}\text{C}$  furnace temperature uniformity  $\pm 1\text{ }^{\circ}\text{C}$  (depending on the size of the heating chamber).
- 2 Easy to operate, programmable, with PID self-tuning, automatic heating, automatic heat preservation, and automatic...

Dynamic cooling, no need for on-site personnel; can be equipped with a computer for communication via calculation.

Computer-controlled electric furnace (starting the furnace, stopping the furnace, pausing heating, setting the heating curve, heating...)

Temperature curve storage, historical curves, etc.), the software is free; see the computer control system for details.

3. The furnace tubes are made of corundum 99 ceramic.
4. Stainless steel KF metal flange seal (double rubber ring)
5. The furnace body temperature is close to room temperature.
- 6 Dual-circuit protection
7. Imported refractory materials, excellent thermal insulation performance, and high temperature resistance.
8. Vacuum degree: -0.1 MPa
9. It can pass through various gases (oxygen, nitrogen, ammonia, hydrogen, etc.)

Technical Specifications: Temperature	1050ÿ	1250ÿ	1450ÿ
Spend			

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project			
Long-term working temperature	±1%	±1%	
Spend			
Furnace tube material:	stainless steel tube / corundum tube	Stainless steel pipe/corundum pipe	Corundum tube
Rotation speed adjustable	from 1-10 r/min	1-15 degrees	1-15 degrees
Furnace temperature field uniformity	For higher requirements, multiple methods can be used.	For applications requiring higher performance, multi-point temperature control can be used.	
Uniformity	Point temperature control		
Temperature sensing element and	Nickel-chromium and nickel-silicon: 0-1350℃	Nickel-chromium and nickel-silicon: 0-1350℃	Platinum-Rhodium 0-1700℃
Temperature measurement range			
Programming curve segment	One group has 22 segments, and three groups have 50 segments each.	One group has 22 segments, and three groups have a temperature range of 1℃/h to 15℃/h.	γ45 degrees
number	Group 2, 8 segments	Up to 1℃/h up to 45 degrees	
Computer interface RS485	RS232 USB		
Warranty coverage and	The electric furnace comes with a one-year free warranty, but the heating element and furnace tube are not covered by the warranty (the heating element will be replaced free of charge if it fails naturally within three months).		
the term			
Random spare parts	Two heating elements, two sets of rods, one instruction manual, one certificate of conformity, one furnace door insulation brick, one crucible tong, and a high-temperature hand sanitizer.		
	One set, one tube furnace-specific crucible, and two sealing rings.		

Gas control cabinet	
Two types of air intakes are available (1-10 options).	
Gas mixing is achieved by adjusting the values of each intake flow meter.	
valve	Imported stainless steel valves (ordinary, stainless steel, solenoid valves, etc. are available).
Flow meter	Two flow meters, each with a flow rate of 0-300 ml/min (depending on the intake air volume, mass flow meters, float flow meters, etc., may be selected).

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24h

One pressure gauge with dual pointer indicators for positive and negative pressure detection (digital vacuum gauge or other options are optional).	
Two-stage rotary vane vacuum pump	
Gas-specific PV hoses for gas pipelines (clean stainless steel tubing can be used depending on gas requirements).	
Pressure protection	This system was specifically designed to prevent hazards caused by closed or blocked furnace tube exhaust ports, or excessive furnace tube pressure. Its principle is as follows: a signal from an electrical contact pressure gauge or pressure sensor drives the control module to close the electromagnetic intake valve and activate the electromagnetic exhaust valve and alarm. This protects the normal operation of the electric furnace.
Gas leak alarm	Based on the atmosphere, prevent leakage; Function: When the gas leak alarm detects that the content of toxic or dangerous gases in the (indoor) air exceeds a certain value, the drive module shuts off the electric furnace and the gas supply, and opens the exhaust port and ventilation, thereby obtaining a higher and safer working environment.

List of main components of Juxing kiln										
Serial Number	Item Name		Classification						Manufacturer's Notes	
			1200	1400	1600	1700	1800	1900		
			degrees	degrees	degrees	degrees	degrees	degrees		
1.	Outer shell	Double-layer shell	•••••						Juxing Kiln	
2	heating element	electric heater	High-temperature alloy resistance wire	silicon carbide rods	silicon molybdenum rod	Type 1800 silicon molybdenum rod	Type 1850 silicon molybdenum rod	Type 1900 silicon molybdenum rod	Juxing Kiln	
3	Electrical control section	Temperature controller	858P	858P	858P	858P	858P		Xiamen Yudian	
4		thermocouple	K	S	B	B	B	B+ fiber	Taisho/Bright	
5		Voltmeter	•••••	Chint						

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6		ammeter	•••••• Chint						
7		SCR power regulator	••••••					Juxing Kiln	
8		contactor	••••••					Chint/ Delixi	
9		Air circuit breaker	••••••					Chint/ Delixi	
10		Button	••••••					Chint/ Delixi	
11		buzzer	••••••					Chint/ Delixi	
12		Quick Melt	•••••• Ming Melt						
13		transformer	••••••					Juxing Kiln	
14		Ceramic fiberboard/module	1260 1500 1700 1800 1850					Juxing Kiln Zirconia fiber 2100	
15	Refractory and heat- insulating furnace	Insulating bricks at the furnace opening (inner door)	••••••					Juxing Kiln	
16		Sintering plate	Quartz ceramics	Quartz ceramics	Corundum	Alumina	Alumina	Juxing Kiln Zirconia fiber 2100	

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