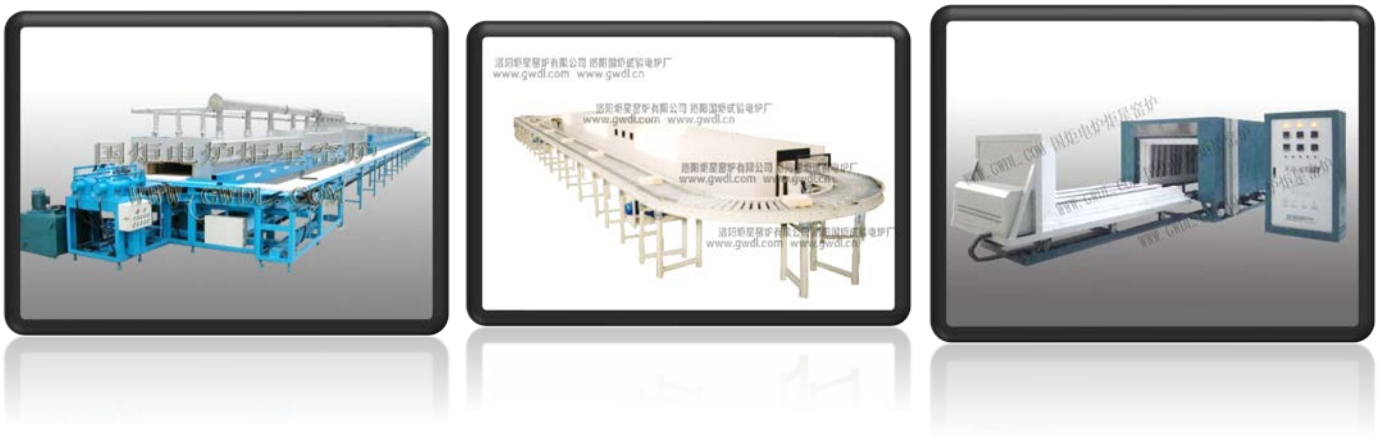
Industrial Kiln



Furnace and heating process equipment

widely using at

Institutions of higher learning

scientific research institutions

experimental laboratory

industrial and mining enterprises

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.

www.gwdl.net

Made In China

China Made

Guoju with 200 employees have been developing and producing industrial furnaces for many different applications for over 10 years。As a furnace manufacturer, Guoju offers the widest and deepest range of furnaces. Around 1000 satisfied customers in more than 34 Provinces offer proof of our commitment to excellent design, quality and cost efficiency. Short delivery times are ensured due to our complete inhouse production and our wide variety of standard furnaces.

Excellent Quality、High Reputation

product has the advantages of automatic control, fast heat, energy saving, simple operation, programmable microcomputer control, automatic temperature control, temperature control precision and high precision of constant temperature, the furnace shell temperature is close to indoor temperature etc., we got excellent feedback from our customers! After years of development the company has a maturity high temperature kiln production line, and also has a Middle or high scientific research team, it is a specializes in the research and production and marketing integrated private enterprise. Our company based on the principle of seeking truth from facts innovation first and user foremost, keep introduced advanced technology and modern management experience from domestic and international, and also made the rigorous process standard and strict quality control system and testing method.

Sales and Service Network - Close to you

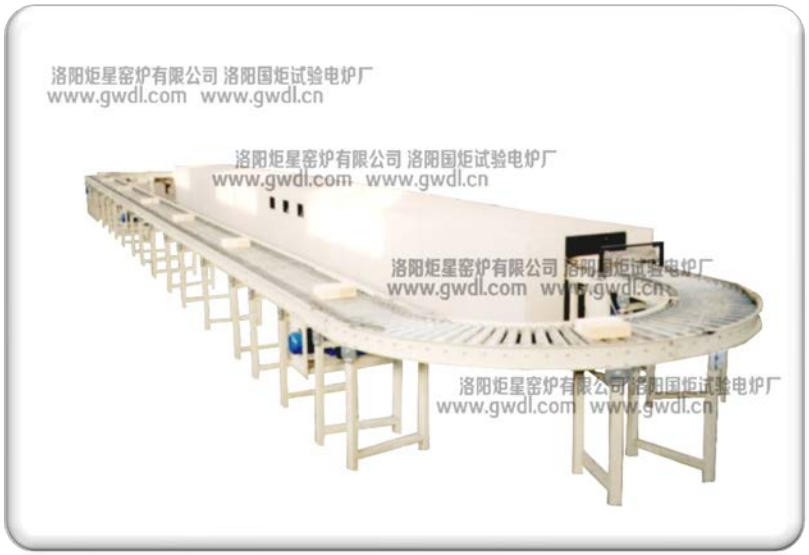
All type furnace and kiln have the high level of automation, are of domestic leading position, sold to 20 provinces, cities, autonomous regions, special economic regions, state major university, state major laboratory, institute of Chinese academy of sciences, Chinese institutions of higher learning, which has been exported to North America, Russia, Philippines, Japan and other countries. Also have the high reputation in the same industry.

Customer Service and Spare Parts

The staff of our company's customer service department will be eager to answer all the questions which you ask. Due to our complete inhouse production, we can dispatch most spare parts from stock over night or produce with short delivery time.

Energy Saving High Temperature Roller Kiln

(GWL-SRK)



GWL Series Energy Saving High Temperature Roller Kiln

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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：± 1℃，Temperature Constant Accuracy： ±1℃. Fast Temperature rise rate，Maximum heating rate≤30℃/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-SRK**			
Working Temperature	1200℃	1400℃	1600℃	
Maximum Temperature	1250℃	1450℃	1650℃	
Furnace Hearth Dimension	10000*800*240mm	15000*800*240mm	30000*1000*240mm	80000*1200*240mm
Power Rating	80KW	120KW	300KW	800KW
Roller Materials	Stainless Steel Roller+ Ceramic Roller+ Recrystallized Silicon Nitride Roller			
Gap Of Roller	75mm	75mm	75mm	85mm
Diameter Of Roller	Ø42	Ø42	Ø42	Ø60
Roller height from ground	835mm			
Heating Element	Silicon Carbide Rod or Electric Resistance Wire	Silicon Carbide Rod	Silicon Molybdenum Rod	
Quantity Of Temperature Zone	9	14	19	38
Quantity Of Temperature Control Point	13	20	38	72
Temperature Control Accuracy	≤±1℃			
Temperature difference of cross section	≤±5℃			
Speed Range	120-1000mm/h	500-1600 mm/h	500-1800 mm/h	1200-4000 mm/h
Temperature Rise Rate	Temperature Rise Rate Can Be Modify（30℃/min	1℃/h），Company Suggest: 1-20℃/min		
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.			

Characteristic：

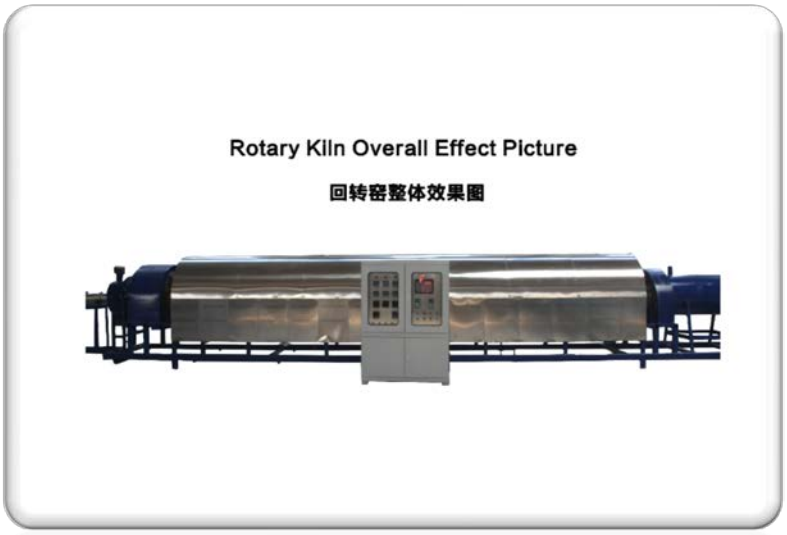
Excellent temperature uniformity, Guaranteed the product quality, Fast temperature rise rate, high heat utilization rate;

1. The roller kiln basically does not have the upper and lower temperature difference, and the heat transfer rate is high, which ensures the rapid firing.
2. Less heat consumption, wildly using the new model light refractories, canceled the kiln trolley and saggar and so on heat consumption equipment
3. Furnace has the excellent sealed level, which improved the heat utilization rate.
4. Excellent automation and mechanization, High rate of finished products.
5. Less land occupation，Simple structure, Fast construction rate, High economic benefit.
6. Less human force and Improving the working environment.

Furnace Hearth Dimension Can Be Customized, More Details Please Contact Us

Energy Saving Environmental Protection Electric Rotary Kiln

（With Touch Screen Control System）



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Model	**GWL-RK**
Working Temperature	1200℃
Maximum Temperature	1250℃
Voltage	380V
Furnace Hearth Dimension	Inside Diameter(300mm)×Length(8000mm)，Length Of Heating Zone 5 Meter
Power Rating	150KW (Automatic adjustment)
Rotational Speed	5-15r/min (Adjustable)
Furnace Hearth Inclines Angle	1-5°(Adjustable)
Materials Transmission Machine	Length 1.5 Meter
Land Occupation	10Meter(Length)*2Meter(Width)
Furnace Hearth Materials	2520 Steel (310S Stainless Steel) And Vacuum Forming High Purity Alumina Light Material
Heating Element	Silicon Carbide Rod or Electric Resistance Wire
Temperature Control Accuracy	≤±1℃
Temperature Rise Rate	Temperature Rise Rate Can Be Modify（30℃/min丨1℃/h），Company Suggest: 1-20℃/min
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.

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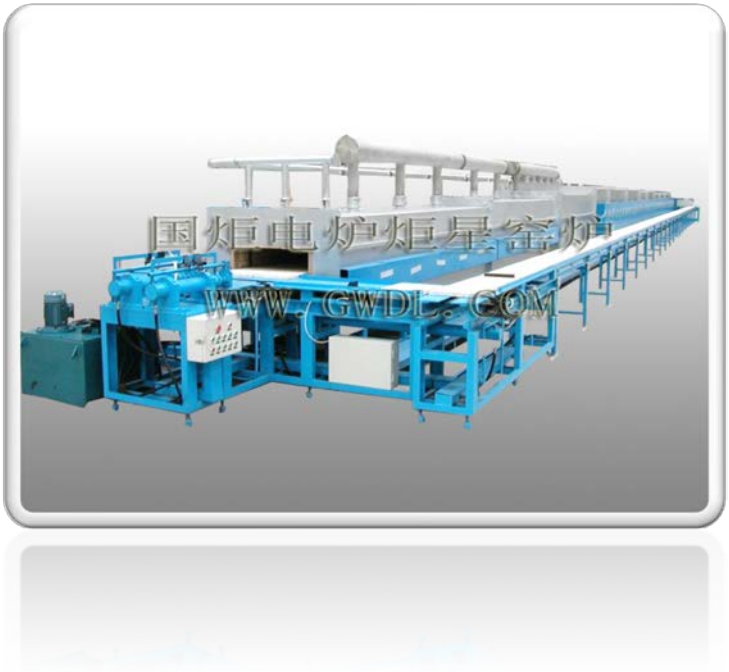
Furnace Hearth Dimension Can Be Customized, More Details Please Contact Us

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	
Flow Chart	Base on furnace structure or process flow
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

Energy Saving Environmental Protection Pusher Kiln

（With Touch Screen Control System）



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Model	**GWL-PK**
Rated Temperature	1600℃
Long-Term Working Temperature	≤1550℃
Voltage	380V（Three phase）±10%，50HZ
Furnace Hearth Dimension	Length 16000mm/ Width 340mm/ Height 300mm
Power Rating	Double Channel 160KW（Single Channel 90KW）， Constant Temperature Power Rating：≤60KW Double Channel,≤35KW Single Channel （Base On Customer Request Can Be Customized Double Channel Or Single Channel）
Temperature Control Accuracy	±1℃（After Steady State）
Temperature difference of cross section	≤±3℃
Furnace Hearth Requirement	Furnace Hearth Using Single Or Double Channel Structure
Furnace Hearth brick material	Special Corundum Mullite(High Temperature Zone);Heavy High Purity alumina (low temperature zone) + high strength anti peeling alumina hollow ball products + light insulation brick + fiber
Furnace Hearth Bottom Chute Material	99 corundum High Temperature antiwear material
Plug Brick Material	high strength anti peeling alumina hollow ball products
Steel Structure Of Furnace Shell	Split Structure; Welded by 8# steel and 6# equilateral angle steel and 3 mm steel.
Exhaust Ports	Set up on the top of the furnace，which can be used to discharge the burned exhaust gas，the exhaust volume can be adjusted. The structure of the chimney adopts the external steel tube，Heat transfer forward from heating area, so that the kiln products to achieve low-temperature preheating, to prevent product cracking.
Temperature zone arrangement	Preheating area: 3 meters, Middle temperature area:3 meters, 4 groups to control; High temperature area 5 meters, 3 groups to control
Heating Element	Silicon Carbide Rod / Silicon Molybdenum Rod
Pusher Speed	600-2500 mm/h
Propulsion Device	Hydraulic propulsion. Use synchronous propulsion. Propulsion platform made of wear-resistant porcelain strips
Standard Accessories	Heating Elements, Pusher Plate, Connecting Aluminum Strip, Porcelain Clamp, Plug Brick

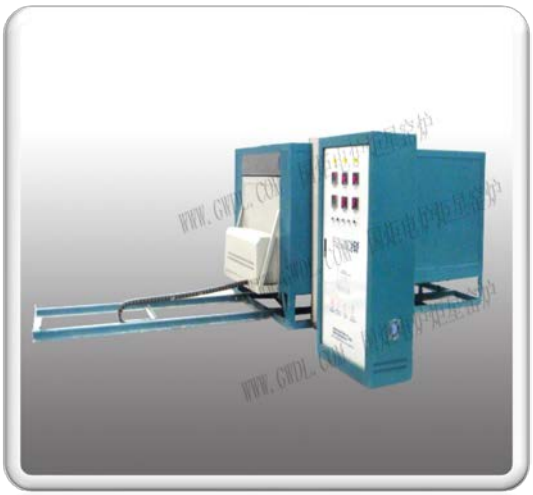
Characteristic：

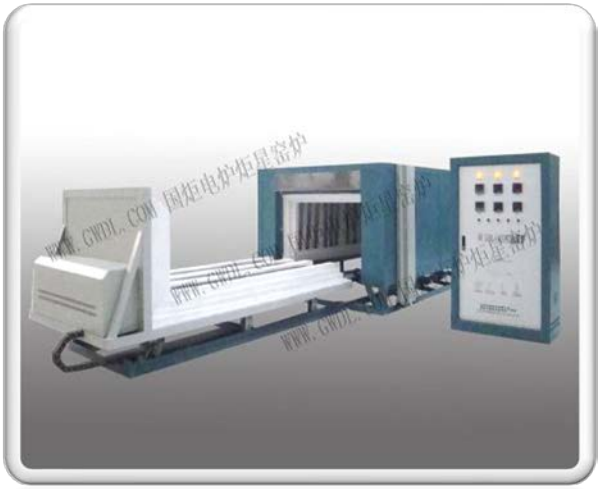
Excellent cooling characteristics， Simplicity of operation, Guaranteed the product quality, Fast temperature rise rate, high heat utilization rate;

1. Pusher kiln is divided into 8 temperature zones and 8 temperature control points.
2. The electric kiln is beautiful, generous and tidy
3. Pusher plate material made of corundum mullite, Average working life of more than 120 times
4. The propulsion system is provided with slow forward, fast rewind and automatic walking function

Furnace Hearth Dimension, Temperature Range And Working Functions Can Be Customized, More Details Please Contact Us

Energy Saving Environmental Protection Shuttle Kiln





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Model	**GWL-150/3**	**GWL-350/7**	**GWL-600/7**	**GWL-150/6**	**GWL-350/7**
Maximum Temperature	1050℃				
Long-Term Working Temperature	950℃	950℃	950℃	1000℃	1000℃
Temperature Control Accuracy	±1.5℃（After Steady State）				
Number of temperature region	3	7	7	6	7
Width Of Mesh Belt	150 mm	300 mm	600 mm	150 mm	350 mm
Height Of Furnace Port	100 mm(Can be customize base on customer required)				
Length Of Heating Zone	1800 mm	3600 mm	4200 mm	3600 mm	4200 mm
Heating Element	Ceramic Fiber Heating Plate Or Ceramic Heating Rod				
Atmosphere Control	None	None	None	Ar2 or N2+H2	Ar2 or N2+H2
Inner Furnace Hearth	None	None	None	Heat-resistant steel	Heat-resistant steel
Power Rating	12KW	30kw	90kw	36kw	58kw
Optional Function	Mesh belt ultrasonic cleaning device; Record printing system; computer monitor system;				

Characteristic：

Rapid Heating, Simplicity Operation, Intelligent control

1. Configure the data communication interface, Provide effective monitoring data for the safe and stable operation.
2. Variable frequency step less speed control, heat-resistant steel mesh belt transmission

Furnace Hearth Dimension, Temperature Range And Working Functions Can Be Customized, More Details Please Contact Us