Energy Saving High Temperature Roller Kiln

(GWL-SRK)

GWL Series Energy Saving High Temperature Roller Kiln

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：± 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