

Control System



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.

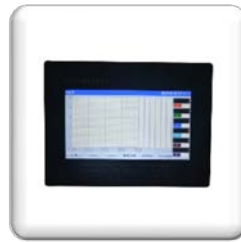
Gas Control Cabinet



Inlet gas type	2 options can be choose (1-10 type gas can be choose)
Mixture	adjusting the values of each Inlet flowmeter.
Valve	Imported stainless steel valve (ordinary valve, stainless steel valve, solenoid valve and so on can be choose)
Flowmeter	2 pieces 0-300 ml/Min (According to the quantity of air inlet, Mass flowmeter and Floating ball flowmeter and so on also can be selected)
Pressure test	Positive pressure, negative pressure double indicator pointer piezometer (digital display vacuum piezometer can be choose)
Vacuum pump	Double rotary vane vacuum pumps, Pumping speed 2L/min
Air pipeline	Special PV hose for gas (clean stainless-steel tube can be used according to the demand of gas)
Pressure protection	The system is specially made to prevent the danger of closure of the exhaust port, the blockage of the exhaust port and the excessive pressure of the furnace tube. The signal is obtained by the electric contact pressure meter or pressure sensor then the drive control module will close the electromagnetic inlet valve and starts the electromagnetic exhaust valve and the alarm. to ensure the furnace can be used properly and safely.
Gas leak alarm	Base on gas atmosphere, to prevent the gas leak; Gas leakage alarm detected (indoor) air toxic, dangerous and other gas content exceeds a certain value, then the drive control module will shut-down the furnace, closes the inlet valve and open the air exhaust, to get the better and safety working environment.
Pressure, Tube quality, Flux accuracy Control, Remote Control Can Be Customized	



Touch Screen Control System



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	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