



高新技术企业/专精特新企业
专业的高温加热制造工厂 (-100~2600°C)

中国热处理行业协会理事单位
ISO45001:职业健康管理体系认证
ISO14001:环境管理体系认证
ISO9001:质量管理体系认证
欧盟CE产品认证



咨询电话
400-668-1868
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Core Technical Specifications of GWDL-1700STYC High-Temperature Precision Bogie Furnace



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Xingye 1st Road, Science and Technology Industrial Park, Jianxi District ,
Luoyang City , Henan Province



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category	1700 degrees
parameter	
The model's	GWL-STCY
maximum operating temperature can be	1750y
used continuously. The temperature control range is	1700 degrees
the effective heating zone size. The	80 to 1700 degrees
power supply is AC. The design power is	Length × Width × Height: 2000 × 800 × 700 mm
approximately [missing	380V
information]. The heating element	130KW
installation position is [missing information]. The	Evenly distributed on both sides of the furnace
temperature control accuracy	±1 degree
and furnace temperature uniformity are [missing information].	±5 degrees
The heating rate is freely adjustable, with an adjustment range of: fastest heating rate 20 degrees per minute (non-linear), slowest...	

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洛阳炬星电窑炉
LUOYANG TORCH STAR ELECTRIC KILN

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	Heating rate: 1 degree Celsius per hour (1 degree/h). Thermocouple
Temperature sensing	type: B. Temperature range: 0-1820 degrees Celsius. The furnace body, made
element, dual	of 1800-type silicon
temperature control heating element	molybdenum rods, is CNC machined and manufactured through
Furnace shell material	polishing, grinding, pickling, phosphating, powder coating, and high-temperature baking. It features a two-tone design, a novel and attractive appearance, and advantages such as oxidation resistance, acid and alkali resistance, corrosion resistance, high temperature resistance, and easy cleaning.
Furnace exterior color	RAL7035
Furnace body structure	The electric furnace body adopts an internationally advanced air-cooled double-layer furnace body structure. Effective air-cooling guide baffles ensure overall cold air circulation within the furnace shell, ultimately cooling the conductive plates of the heating elements before they are discharged from the furnace body, preventing high-temperature oxidation of the conductive plates and ensuring a good working environment.
Furnace door opening method	The furnace door and bottom are integrated, and the opening mechanism is electric. A motor drives a reducer to move the charging platform in and out, and limit switches are installed. The furnace opening and
Furnace opening and charging platform refractory material	charging platform refractory materials are fitted with a stepped, cross-sealed design. The refractory materials have angles at both the top and bottom; the opening angle of the charging platform increases, and the closing angle gradually decreases.
matching, charging platform load-	1000kg
bearing, charging platform inlet and outlet	electromechanical
Refractory materials	vacuum-formed high-purity alumina fiber lightweight board material. Lightweight hollow spherical alumina plates are used in areas prone to material handling (furnace opening, furnace bottom). It has high operating temperature, low heat storage, resistance to rapid heating and cooling, no cracking, no slag shedding, and good heat preservation performance (energy saving effect is more than 80% of that of old-fashioned electric furnaces).
thermal insulation materials	It employs a three-layer insulation system: high-alumina cotton, alumina blanket, and alumina fiberboard, achieving energy savings of over 80% compared to traditional electric furnaces. It allows for
Furnace shell temperature	continuous operation without furnace interruption, maintaining an outer shell
Protect	temperature below 45 degrees Celsius. An integrated modular control unit ensures accurate control and features dual-loop control and protection, including protection against overshoot, over-adjustment, under-adjustment, phase loss, overvoltage, overcurrent, overtemperature, current feedback, and soft start. Closed-loop technology with thyristor module
control	triggering and phase-shift triggering allows for continuous adjustment of output voltage, current, or power, providing constant voltage, constant current, or constant power characteristics. The current loop is the inner loop, and the voltage loop is the outer loop. When a sudden load is applied or the load current exceeds the current limit, the voltage regulator's output current is limited to the rated current range, ensuring normal operation of the output and the regulator. Simultaneously, the voltage loop also participates in regulation, limiting the regulator's output current to the rated current range, maintaining constant output current and voltage with sufficient adjustment margin. This protects the heating elements from excessive current and voltage surges, achieving safe, reliable, and precise control. For details, please refer to the electric furnace video for temperature, temperature range number, time period, remaining time, output power percentage, voltage, current, etc.
Display parameters	
button	It uses imported buttons with a lifespan exceeding 100,000 cycles and features LED indicator lights. Employing an intelligent
Temperature profile setting	temperature controller, it offers multiple adjustment modes including standard PID, AI-based APID, or MPT, and boasts self-tuning and self-learning functions. It exhibits excellent control characteristics with no overshoot and no undershoot, and is equipped with 30-segment programmable control.

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	It features a control function that enables temperature rise and fall control at any slope, and includes jump (cycle), run, pause, and stop functions. It supports programmable/operable commands, allowing modification of the program at any time during its controlled execution; it employs... The AI-powered adjustment algorithm for curve fitting can achieve smooth and even curve control; see electric furnace for details. video
Multiple curve inputs	50-segment program control function
Random accessories	Two heating elements, two sets of rods, one crucible tongs, one pair of high-temperature gloves, and one USB data disk. Includes... 2 sets of irregularly shaped kiln furniture and 1 set of flat kiln furniture
Packing list	One electric furnace, two heating elements, two sets of rods, one crucible tongs, one pair of high-temperature gloves, and a USB data disk. One sheet of instruction manual, one certificate of conformity, one acceptance report (factory inspection report), and one sales delivery note. One copy.
Shipping Information	1. The electric furnace is packaged in three layers: first wrapped in foam paper, then wrapped in plastic film, and finally packed in a wooden crate. 2. Free domestic door-to-door delivery (free delivery within city limits) 3. We will be responsible for any damage that occurs during the transportation of the electric furnace. 4. Logistics methods: Road, rail, ship (foreign trade export), air freight (foreign trade export), distance... For nearby locations, our company will arrange dedicated vehicles for transportation (packaging is wooden pallets and cardboard boxes).

Introduction to GWL Touchscreen Centralized Control:

Project Name Size	parameter
Language	10-inch TFT true color display
Resolution	Turkish language
Backlight	800*480
Power	led
Weight	5W
Language	1Kg
	You can switch freely between Chinese and English.
Full-screen display and operation	Instrument panel, bar chart, historical trends, data reports, alarm information, data export, process flow, system management wait
Temperature	Temperature, loading platform in/out lifting
control of controlled	Touch screen + high-precision integrated module
object: Start	Touch operation
heating, Temporary	Touch operation
heating, Stop	Touch operation
heating, Temperature curve	Touch operation, 30 segments per curve
compilation, Temperature curve storage quantity	Unrestricted (each curve can be named in Chinese or English)
Real-time status display	Operating curve name, operating segment number, segment time, segment operating time, digital temperature, real-time curve, power output (hundreds of thousands) 100%

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Select segment number to start (cross segment) start up)	Touch operation
Curve Range	Adjustable
Historical Curves (Graphics) Data	Stored for approximately 20 months
Reports (Excel) Historical Curves and	Storage lasts approximately 20 months; multiple displays available simultaneously (can be expanded with a USB flash drive).
Report Records (Save) interval	Adjustable from 1 second to 3600 seconds, supports simultaneous display of multiple points (USB flash drive can be inserted for expansion).
Alarm indicator,	Color change (red)
alarm information, language,	Chinese display (alarm time and event description in Chinese)
data export interface, printer	USB (supports mouse)
interface, operation,	parallel port
touch screen, protection,	Password required (operation is prohibited without a password).
communication	RS485
port, password.	All touchscreen operations can be password protected, preventing the leakage of parameters and processes, and enabling comprehensive management.

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