



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
ISO45001:职业健康安全管理体系认证
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



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1. Temperature: 1000°C. 2.

Power: 18KW. 3.

Temperature control accuracy: $\pm 1^{\circ}\text{C}$. 4.

Temperature control zones: Two (upper and lower

temperature control). 5. Temperature uniformity within the furnace: $\pm 1^{\circ}\text{C}$ (depending on the size

of the heating chamber). 6. Temperature sensing element and range: Thermocouple, K-type, temperature range 0-1300°C.

7. Furnace door opening method: Electric top-opening door, manual side-

moving door. 8. Heating element: High-temperature alloy resistance wire (containing molybdenum, surface temperature of the heating

wire can reach 1400°C). 9. Heating element distribution: Evenly distributed

around the furnace chamber. 10. Inner liner material: 310s steel.

11. Inner chamber dimensions: Diameter 600mm x

Height 300mm. 12. Touchscreen: 7-inch true-color touchscreen with functions including temperature program setting, historical curves, data reports,

temperature, voltage, current display, and vacuum value display. 13. Heating rate: The heating rate is freely adjustable, with an adjustment range of: fastest heating rate 10°C/min and slowest heating rate 1°C/h.

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14. Protection: Employs an integrated modular control unit for accurate control and features dual-loop control and protection, including overshoot, overshoot, undershoot, phase loss, overvoltage, overcurrent, overtemperature, current feedback, and soft start protection. 15. Display Parameters: Displays temperature, temperature range number, time interval, remaining time, output power percentage, voltage, and current. 16. Buttons: Uses imported buttons with a lifespan exceeding 100,000 cycles and includes LED indicator lights. 17. Multiple Curve Inputs: 30-segment programmable control function. 18. Communication

Interface: The electric furnace is equipped with an RS485 communication interface, allowing for computer control of furnace start-up, pause, stop, temperature curve setting, temperature curve reading, parameter setting, etc. It offers high reliability and ease of use. The computer screen displays rich information, including measured values, setpoints, output values, time intervals, segment numbers, temperature curves, and power percentage curves. Temperature curves can be stored on the computer and can be recalled and modified at will, along with setpoints and commonly used parameters. Historical curves and reports can be filtered by time interval (1s-1h) and can be stored long-term.

19. Furnace Body Sealing: The sealing components use silicone rubber rings (temperature resistance 260°C-350°C).

20. Vacuum degree: -0.1 MPa. 21.

Air inlets: 2, with the air intake volume controlled by a float flow meter. 22. Air outlet:

1, with one automatic pressure relief valve. 23. Vacuum

pump: Mechanical pump. 24.

Permissible atmospheres: Hydrogen, nitrogen, argon, oxygen, etc. 25.

Refractory material: The furnace lining is made of vacuum-formed high-purity alumina lightweight material. Lightweight hollow spherical alumina plates are used in areas prone to material handling and load-bearing areas

(furnace opening, furnace bottom). 26. Insulation material: Three layers of insulation are used: aluminum silicate fiberboard, alumina fiberboard, and alumina (polycrystalline) fiberboard.

27. Cooling structure: Double-layer furnace shell, air-

cooled. 28. Furnace temperature: 45°C.

Thank you for contacting us!

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Luoyang Ju Xing Kiln Co., Ltd. Company

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