

Lab Companion

Industrial Oven

Oven-2142

Custom Solution

Brief Introduction



Our large-capacity high-temperature industrial ovens can be customized with various optional functions, sizes/indicators/capacity, etc. according to user requirements. The maximum temperature limit optional 300°C.

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Particularities:

- * High-strength, high-reliability structural design - to ensure the high reliability of the equipment;
- * The inner chamber material is SUS304 stainless steel - anti-corrosion, strong hot and cold fatigue function, and long service life;
- * High density polyurethane foam insulation - ensures minimal heat loss;
- * Plastic-sprayed surface – to ensure the lasting anti-corrosion function and appearance life of the equipment;
- * High-strength temperature-resistant silicone rubber sealing strip – ensures the high sealing performance of the equipment door;
- * A variety of optional functions (test hole, shelf, etc.) meets the user's needs for various functions and tests;
- * Environmentally friendly refrigerants – to ensure that the equipment is more in line with your environmental protection requirements;
- * Triple protection mechanism.
- * USB interface and Ethernet communication function enable the communication and software expansion function of the device to meet various needs of customers.

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Technical Features:

Dimensions (mm)	Width	Height	Depth
Useful	1800	1700	700
Overall	2600	2210	1210

Homogeneity and Regulation:

Temperature range

RT°C+10°C----->150°C

Temperature fluctuation:

≤±0.5°C

Temperature deviation:

≤±1.5°C

Temperature uniformity:

≤2.0°C

Temperature rise time:

≥3.0°C/min (RT°C+10°C----->150°C)(Nonlinear heating, no-load)

Controller model:

Q8 Touch screen controller

Power supply specifications:

AC 380 V, 50/60 HZ, 3 φ 5 wire

Rated current:

AC 11 A, power 7.15 KW

This machine is dedicated to the above marked power supply, please use according to the rated power distribution. If the use area is changed, please contact our company. Service phone 400-628-2786.

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Appearance Introduction and Description:

1. Front and side of the machine



Number	Name	Illustration
1	Tricolor light	Green light means running, yellow standby, red fault
2	The control panel	Operation panel for machine operation
3	The door lock	Pull the right handle first, then pull the left handle to open the door

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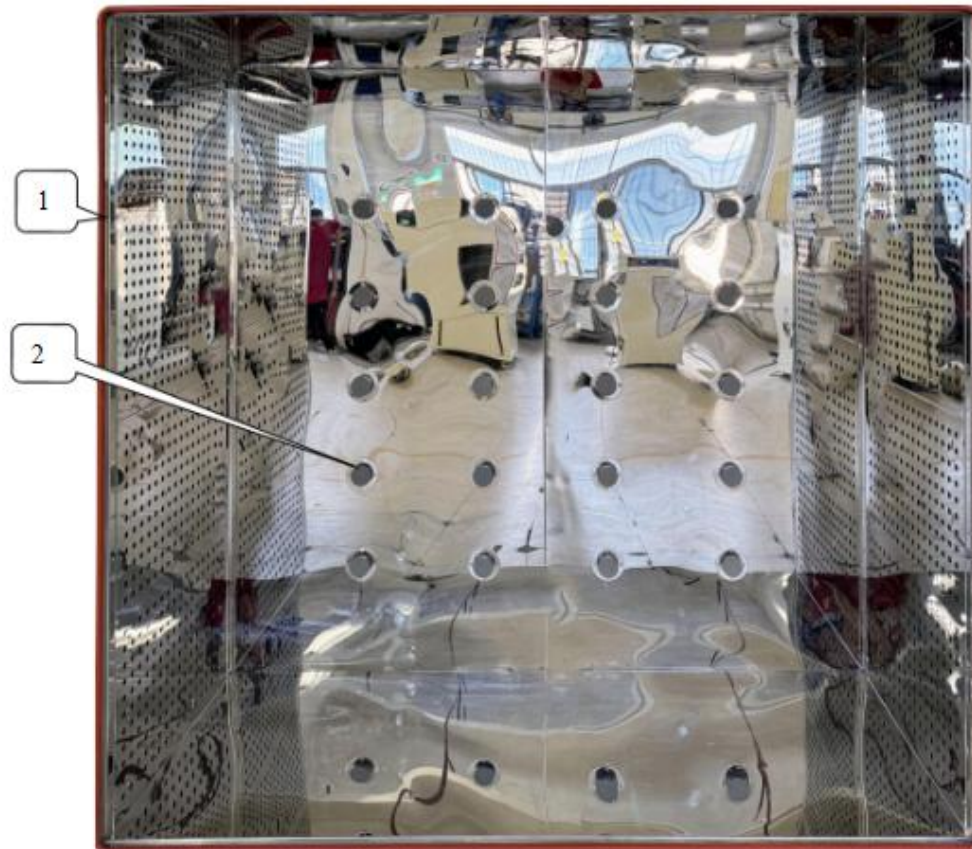
2. Control panel



Number	Name	Illustration
1	Controller	Touch screen programmable controller (Refer to controller manual)
2	USB interface	Used to copy curves or document-related data
3	Scram switch	Used to connect the device and cut off the power supply

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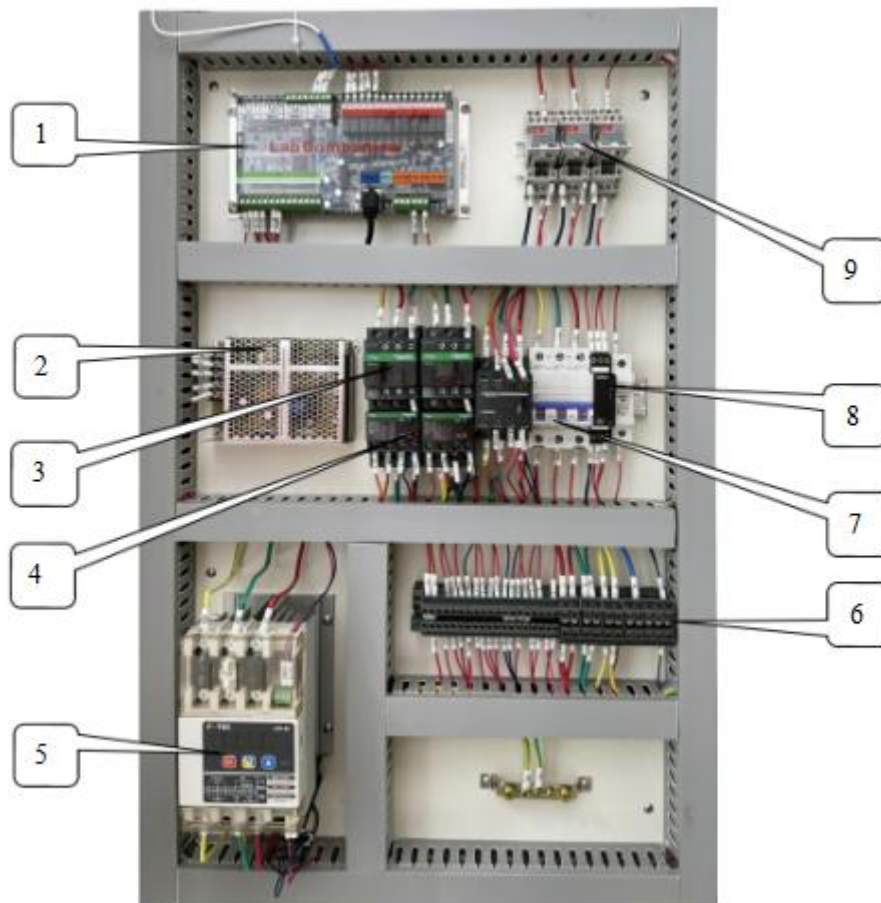
3. Test area



Number	Name	Illustration
1	Sealant	Heat preservation and air leakage prevention
2	Test hole	An external power supply can be plugged in from the test hole for live product testing

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4. Power distribution room



Number	Name	Number	Name
1	Temperature controller	6	Connector terminal
2	Dc power supply	7	Circuit breaker
3	Ac contactor	8	Underinverting phase protector
4	Thermal overload relay	9	Intermediate relay
5	Power regulator		

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Test Report:

Temperature°C Scatter	85°C	120°C	150°C
A	85.6	120.2	149.9
B	86.1	119.9	150.3
C	85.8	120.0	150.5
D	85.3	120.5	150.6
E	85.7	120.7	150.1
F	85.2	120.9	150.3
G	85.6	121.0	150.5
H	85.4	120.8	150.7
O	85.9	120.5	150.8
Temperature deviation	1.1	1.0	0.8
Temperature uniformity	0.9	1.1	0.9