Lab Companion

Industrial Oven Oven-216H

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.

Technical Features:

Dimensions (mm)	Width	Height	Depth
Useful	600	600	600
Overall	1080	1340	850

Temperature range
RT℃~+200℃

Homogeneity and Regulation:

Temperature fluctuation:
≤±0.5℃
Temperature uniformity:
≤2.5℃
Temperature rise time:
≥3.5℃/min (RT℃~+200℃)(Nonlinear heating, no-load for about 60 minutes)

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Appearance Introduction and Description:

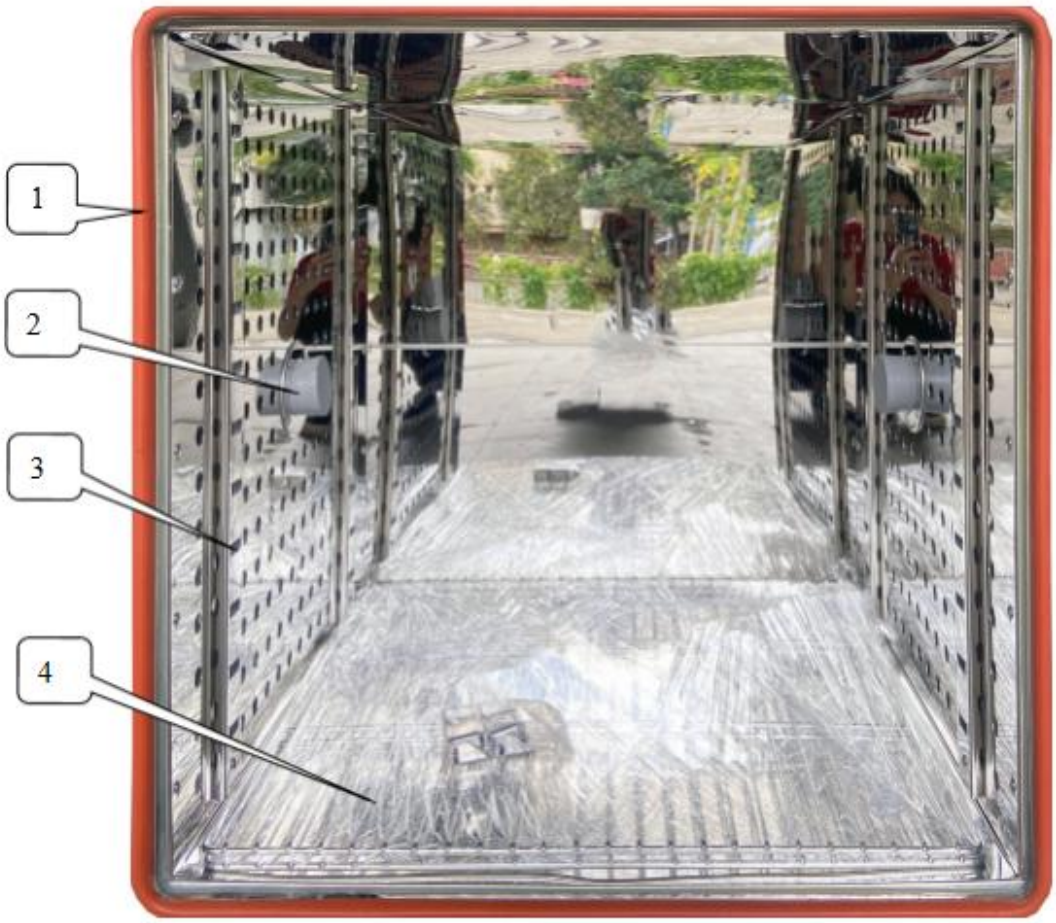
1. Front and side of the machine

Number	Name	Illustration
1	Three color lights	Green running, yellow standby, red fault
2	The control panel	Operation panel for machine operation
3	The test hole	An external power supply can be plugged in from the test hole for live product testing
4	The door lock	Pull the vertical door to open it

2. Control panel

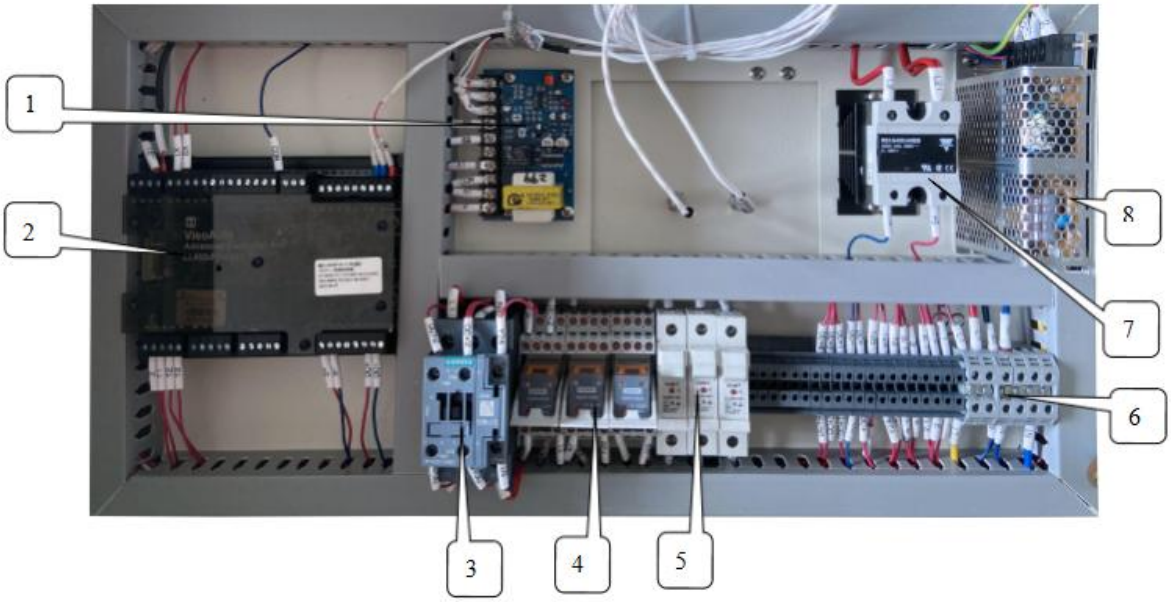
Number	Name	Illustration
1	Controller	Touch screen programmable controller (Refer to controller manual)
2	USB interface	Used to copy curves or document-related data
3	Over temperature Setting	To Set the upper temperature limit in the test area
4	Scram switch	Used to connect the device and cut off the power supply

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
3	Sample rack track	Used to secure the sample holder
4	Sample holder	Used to place test products

4. Power distribution room



Number	Name	Number	Name
1	Overheated plate	5	Fuse
2	Temperature controller	6	Connector terminal
3	Ac contactor	7	Solid state relay
4	Intermediate relay	8	Dc power supply

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Test Report:

Temperature℃ / Scatter	85℃	125℃	200℃
A	85.2	124.7	199.8
B	85.6	125.0	199.6
C	85.9	125.3	199.4
D	86.0	125.4	199.7
E	86.3	125.2	200.0
F	86.0	125.6	200.3
G	85.9	125.8	200.5
H	86.3	126.0	200.1
O	86.7	125.9	199.9
Temperature deviation	1.7	1.0	0.6
Temperature uniformity	1.5	1.3	1.1

Scatter diagram: