



XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

Dust Test Chamber

Model DI-1500, DI-2000





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Standard Features

- Interior of Chamber is SUS304 stainless steel.
- The air velocity for the blowing of dust is controlled by a dust blowing mechanism that includes a motor and blower combination
- Dust re-cycle blowing by circulating pump.
- Dust collection section is located on bottom of test chamber.
- A heater fixed into test chamber to keep dust dry.
- A viewing window with a manually controlled wiper.
- Programmable color display touch screen controller which located on right side of chamber
- A stainless steel shelf for placing test specimens.
- Chamber inside equipped with power interface for test specimen
- Test chamber internal illumination
- Vacuum system for specimen
- Bottom install 4 castors for ease moving, and with brakes function
- Safety protection
- Easy to operate
- Standard: IEC60529

Main Technical Parameter

Model	DI-800	DI-1000	DI-1500	DI-2000
Internal dimensions (mm)	800*1000*1000	1000*1000*1000	1000*1500*1000	1200*1800*1200
Overall dimensions (mm)	1040*1450*1960	1200*1450*1960	1250*1900*1960	1500*2200*2160
Temperature range	Ambient to +50°C			
Normal wire diameter	50um			
Normal width of a gap between wire	75um			
The Talcum powder amount	2kg ~ 4kg/m3			
Fight time	0 ~ 99H59M			
Fan cycle time	0 ~ 99H59M			
Specimen power outlet	Dust-proof socket AC220V 16A			
Controller	programmable color display touch screen controller			
	PC Link, Ethernet interface			
Vacuum system	Equipped with a pressure gauge, air filter, pressure regulator, connecting tube			
Circulating fan	Enclosed alloy low-noise motor, multi-vane centrifugal fan			
Heating system	Independent Nichrome electronic heating system			
Exterior material	Steel Plate with protective coating			
Interior material	SUS304 stainless steel			
Safety System	Electric leakage, short circuit, Over-temperature, motor overheating Over-current protection/ Power failure memory function for controller			
Power supply	400V 50/60HZ			



Design and Construction

Test Area & Shelf

- Interior of Chamber is SUS304 stainless steel.
- A stainless steel shelf for placing test specimens
- Standard load of shelf is 50kg
- Normal wire diameter is 50 um.
- Normal width of a gap between wires is 75um.
- Built-in power interface for test specimen
- Test chamber internal illumination
- Vacuum system for specimen

Control Panel

- Programmable color touch display controller
- 99 programs 99 sections
- Ethernet interface, PC Link with software
- Show total process time on controller.

Dust Circulation

- During test, dust is blown in test area by motor and blower, and then fall in funnel, and re-cycle blowing by circulating pump to achieve dust circulation.
- Bottom of chamber is fitted with blower, vacuum pump, motor.
- Dust collection section is located on bottom of test chamber.

Vacuum System for Specimen

- Bottom of dust chamber is fitted with vacuum pump, a pressure gauge, air filter, pressure regulator, connecting tube which one side to connect pump, one side connect to test specimen.
- Adjust vacuum value on control panel.

Viewing Window

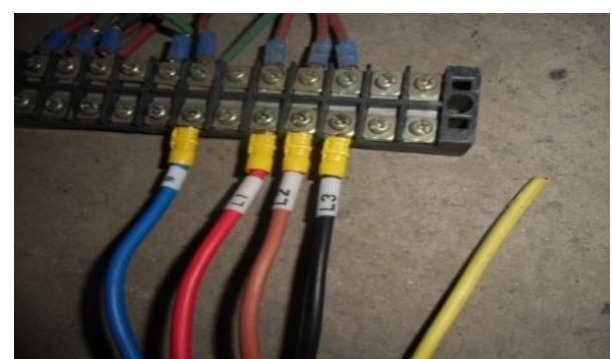
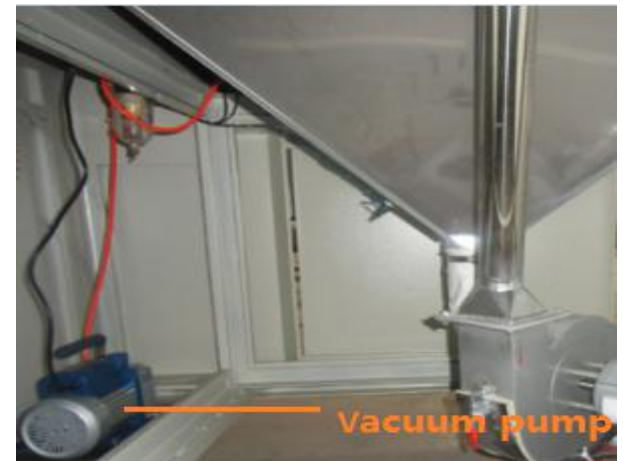
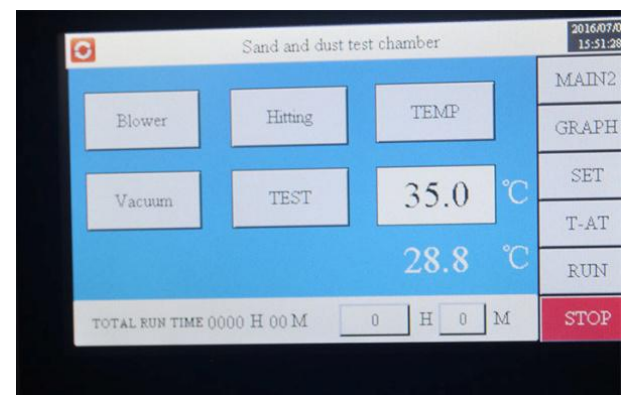
- Large viewing window with wiper
- Can observe samples during testing

Safety Protection

- Earth leakage protection,
- Short circuit
- Over-temperature protection
- Motor overheating protection
- Over-current protection
- Power failure memory function for controller

Power Supply and Wiring

- 400V, 50/60 Hz 10% +/-
- Three-phase-five-wire system





XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

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Package with Export Standard Wooden Box

Can be used for Sea, Air, Railway, Truck transportation.



Installation

Operation manual and video available for installation & operation

Warranty & Service

3 Years Warranty, Lifelong Follow-up Services.

Environment conditions

Temperature: 5 °C --35 °C , Relative humidity: ≤85%,
pressure: 86kPa—106 Kpa

Space conditions

Chamber shall be installed on flat floor, with good ventilation
No combustible material, explosive material or strong vibration around.
No direct sunlight or other heat sources direct radiation.
No strong airflow around.
No strong electric field around.

After-Sales Service

3 Years Warranty, Lifelong Follow-up Services.

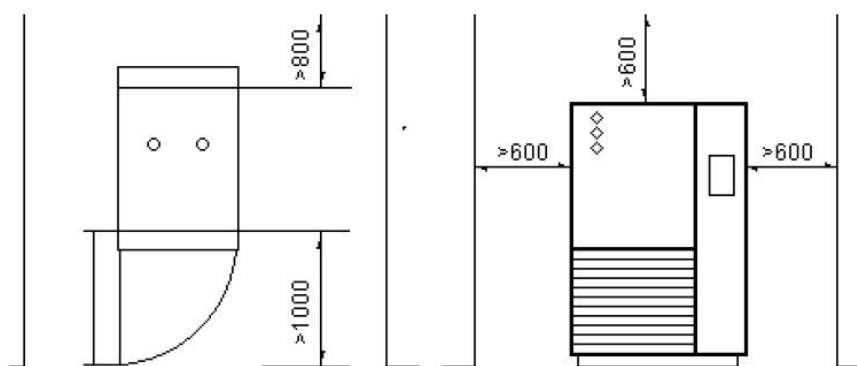
Training how to install and operate the machine.

Training how to maintain the machine.

Response within 24 hours once got questions from customers.

Send spare parts within 2 days after got notice.

Engineers available to service machines overseas to install and commissioning.

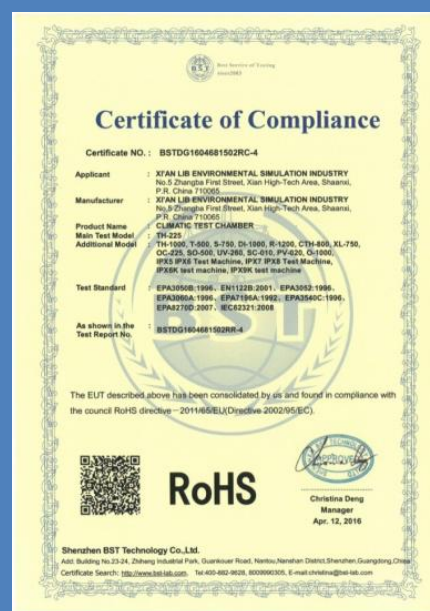


Xi'an LIB environmental simulation industry is a manufacture and exporter of climatic test chambers in China, and have over 8 years overseas market in test chambers to more than 25 countries.

We provide various climatic chambers and service to accredited laboratories, manufacturing industry, institute, university, companies and other partners. And got testimonials from many of our esteemed companies.

To provide better service for customers, we have assembled a team of experienced and motivated people to provide service as

- An extensive range of standard and custom climatic test chambers
- Services, Maintenance & Calibration for all kinds of environmental chambers



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