



XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

Dust Test Chamber Model DI-1000





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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℃			
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	380V 50HZ			



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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.

Test chamber internal illumination.

Equipped heating system in the bottom of workroom to avoid dust agglomeration.



● Built-in power supply & vacuum system for specimen

Chamber inside equipped power interface and Vacuum system for test 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.



● 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.

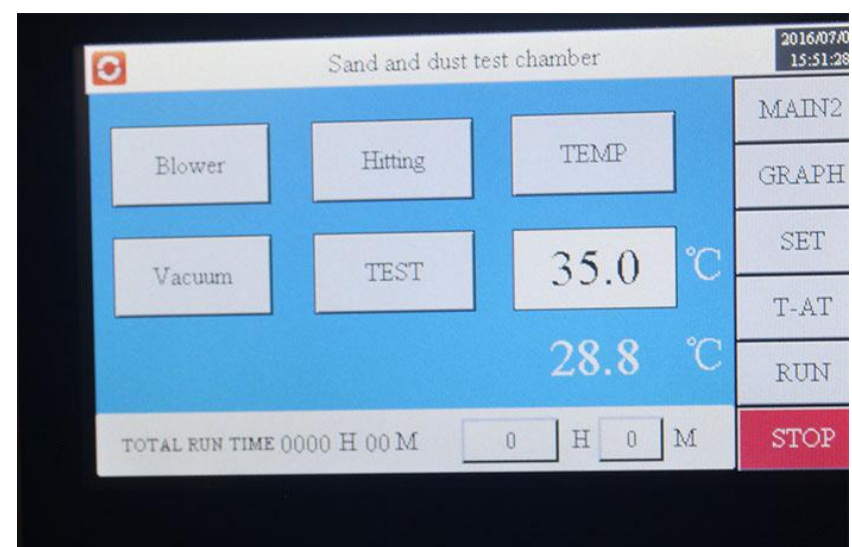
Dust collection section is located on bottom of test chamber.



● Control Panel

Programmable color touch display controller, Ethernet interface .

99 programs 99 sections.



● Viewing Window

Large viewing window with wiper. Observe samples during testing.



● Safety Protection

Earth leakage protection, Short circuit protection

Motor overheating protection, Over-current protection

Power failure memory function for controller

● Power Supply and Wiring

380V, 50 Hz 10% +/- Three-phase-five-wire system



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Package for Salt Spray Test Chamber

- Export Standard Wooden Box
- Can be used for Sea, Air, Railway, Truck transportation



Installation for Salt Spray Test Chamber

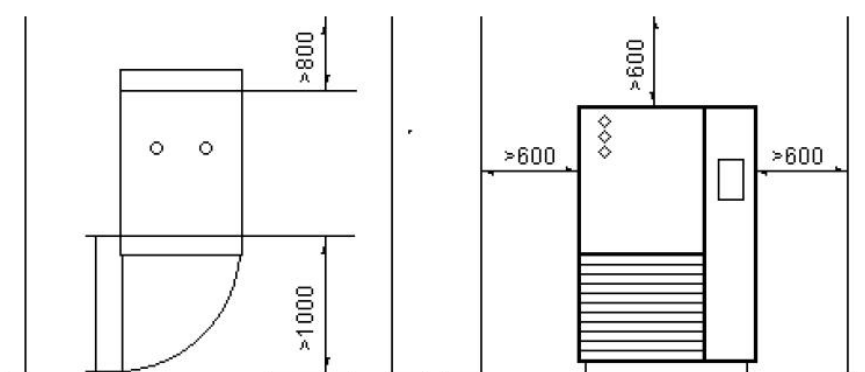
Operation manual and video available for all test chambers.

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.



Warranty & Service for Salt Spray Test Chamber

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 machinery 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
- Provide test solutions



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