

Dust Test Chamber

Model DI-1500, DI-2000



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	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 μm .
- Normal width of a gap between wires is 75 μm .
- 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

