Technical Specification
Equipment Appearance (For reference only)

Dust Test Chamber

Energy Conservation

Remote network system

Circuit System

Distributed by: Reliant EMC LLC, 3311 Lewis Ave, Signal Hill CA 90755, 408-916-5750, www.reliantemc.com
Product Usage:
The sand dust test box is suitable for dustproof and dustproof tests on various auto parts. The test parts include lamp, instrument, electric dust cover, steering system, door lock and so on.

Features:
1. The liner is made of SUS304 stainless steel.
2. The outer casing is galvanized steel.
3. Test box door with observation window, with wiper.
4. The bottom of the test chamber is in the shape of a funnel to facilitate the collection of talc powder for the experiment.
5. Using a circulating fan and an automatic jar to blow the talc into the upper part of the working chamber through a 75 micron square hole mesh, and promote the test space to form a high density dust mist, and test the sample.
6. Use the TAIAN time controller (SG2-10HR-A) which is made in Taiwan to control the dust blowing, lighting and vibration cycle.

Technical Parameters:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Testing room volume</td>
<td>500L</td>
<td>1000L</td>
<td>2000L</td>
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<tr>
<td>Technical characteristics</td>
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<tr>
<td>Standard spacing of metal screens</td>
<td></td>
<td>50um</td>
<td></td>
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<tr>
<td>Standard spacing between lines</td>
<td></td>
<td>75um</td>
<td></td>
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<tr>
<td>Amount of talc</td>
<td></td>
<td>2Kg/m2~4Kg/m2</td>
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<tr>
<td>Dust fall form</td>
<td>1. Free fall dust type : The dust is blown to 1/5 of the tank top by centrifuge to make it free settling</td>
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<td></td>
<td>2. Dust blowing : Bottom air blast, three grades pressure is adjustable</td>
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<tr>
<td>Size</td>
<td></td>
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<tr>
<td>Inner size (mm)<em>H</em>D</td>
<td>800<em>800</em>800</td>
<td>1000<em>1000</em>1000</td>
<td>1000<em>2000</em>1000</td>
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<tr>
<td>Outer size (mm)<em>H</em>D</td>
<td>1450<em>1700</em>1000</td>
<td>1650<em>1900</em>1200</td>
<td>1650<em>2900</em>1200</td>
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<tr>
<td>Control system</td>
<td></td>
<td></td>
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<tr>
<td>Testing room</td>
<td>Advanced brushed stainless steel</td>
<td></td>
<td></td>
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<tr>
<td>Shell</td>
<td>Cold plate rust proof and plastic spraying treatment</td>
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<tr>
<td>Operation panel</td>
<td>Digital smart touch key input</td>
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<tr>
<td>Operation mode</td>
<td>Constant operation</td>
<td></td>
<td></td>
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<tr>
<td>Input</td>
<td>PT-100 sensor</td>
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<tr>
<td>Auxiliary function</td>
<td>Timing</td>
<td></td>
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<tr>
<td>Standard configuration</td>
<td>With dust drying device, vibrator, sample holder, observation window (door)</td>
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<td>Safety protection</td>
<td>Overload breaking protection, earthing protection, etc.</td>
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<tr>
<td>Power supply</td>
<td>AC380V TN-S</td>
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</table>

**Controller features:**

1. 5.7-inch true color touch thin screen (64K colors), resolution: 640 × 480
2. Two control methods: setting/program
3. Sensor type: PT100
4. Output mode: PID control output / 4-20mA analog output (1-5V) / (0-10V) can be arbitrarily selected;
5. Control output signal: a. 8 switch auxiliary control signal (IS, T, AL control signal); b. 10 switch signal relay output as standard (optional 20 relays)
6. Temperature measurement error ± 0.2 °C
7. Special features: blowing dust, vibration, vacuum;
8. Communication interface (optional RS232/RS485, the longes’ distance of communication is 1.2km [optical fiber can reach 30km]);
9. Interface language type: Chinese / English
10. Program setting: 120 groups of programs can be set, each group can set up to 100 groups;
11. The product display is clear and intuitive, the programmable control system is flexible and convenient to operate, and the performance is stable and more efficient.

**Standards compliant:**

The Sand Dust Test Chamber has a wide temperature and humidity adjustment control range, which can meet the national standard GB4208GB/T2423.37-198

"Basic Environmental Test Procedures for Electrical and Electronic Products"
SANWOOD Environmental Test Chambers

- Determined to be a Global Brand in the Environmental Chamber Industry
- Manufacturing Chambers for Over 20 Years
- Advanced Control
- Energy Efficient
- Approved CE/ISO Certification

SANWOOD controller
Electric Jars
Door lock
SUS#304 Stainless Steel
Horizontal regulating wheel
Dust-proof socket
电路系统--核心配件
Circuit System - Core Accessories

交流接触器 (施耐德 - 法国)
AC contactor
Schneider-France

漏电开关 (施耐德 - 法国)
Leakage switch
Schneider-France

电源供应器 (明纬 - 台湾)
Power supply
Mingwei-Taiwan

继电器 (佳乐 - 瑞士)
Relay
Carlo Gavazzi - Switzerland

继电器 (佳乐 - 瑞士)
Relay
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