

## 砂塵試驗機 Sand and Dust Tester



### 產品說明：

耐塵試驗機乃針對各種汽車零件做防塵耐塵試驗，其主要測試含浮塵、流塵、其測試零件包含有車燈、儀表、安全帶、座椅調整器、電器防塵套、轉向系統排檔桿軸、門鎖等，以測試其耐塵作動安全性。

### Application:

Sand and dust tester is used for dust test, including floating dust and cyclone dust: for all kinds of automobile parts, such as, automobile lamps, meter, safe belt, seat regulator, dirt-proof boot of electrical appliance, lockers, etc.

### 特點：

- 採用強力噴塵裝置，使用者可於儀錶面板上獨立操控浮塵1、浮塵2、浮塵3之條件。
- 採用振動裝置可使每次噴塵濃度相同。
- 精密的粉塵濃度收集器，可減少因操作不當而錯估濃度。
- 可滿足DIN, IEC, GB, ISO, JIS多種測試規範要求。
- 自主研發控制系統，電腦連接監控。
- 便捷的除塵設計，操作人員不必進入箱內。
- 同步諧振功能，保證灰塵濃度一致性。

### Features:

- Adopt strong spray dust device, the user can operate independently for No.1 floating dust, No.2 floating dust, No.3 floating dust on the gauge panel.
- Adopt vibration device; spray dust's density can be the same every time.
- Precision collection for dust concentration, Can reduce the misestimate concentration because of improper operation
- Meet DIN, IEC, GB, ISO, JIS standard
- Control system: be connected with and monitored by computer
- Convenient design for dust cleaning.
- Synchronous resonance function to ensure of the uniformity of dust concentration

### 參數規格 Technical Parameters:

型號 Model	DT-F1	DT-F2	DT-F3	DT-C1	DT-C2
備註 Remark	F代表浮塵 / F for floating dust			C代表流塵 / C for cyclone dust	
砂塵濃度 Concentration of Sand and Dust	F1: 60000mg/m <sup>3</sup>	F2: 3000mg/m <sup>3</sup>	F3: 100mg/m <sup>3</sup>	C1:5000mg/ m <sup>3</sup> , 5m/s	C2:100mg/ m <sup>3</sup> , 10m/s
內箱尺寸 WxHxD (mm) Internal Dimension WxHxD (mm)	1000x1000x1000			1000x1000x1000	
外箱尺寸 (mm) External Dimension WxHxD (mm)	1600x1800x1300			1650x1850x1450	
溫度範圍 Temperature Range	室溫狀態 (25°C±15°C)，即試驗室溫度 RT(25°C±15°C)，or lab temperature				
濕度範圍 Humidity Range	35~90% R.H.，即試驗室濕度 35~90% R.H.，or lab humidity				
滑石粉用量 Talcum Powder Dosage	2~4Kg/m <sup>2</sup>				
金屬絲網標稱線徑 Metal Net Mesh Standard Diameter	50µm				
線間標稱間距 Diameter between Metal Wires	75µm				
噴粉降塵形式 Powder Spray & Dust Fall Mode	1.自由降塵式：採用離心機將砂塵吹至箱頂1/5高度，然後使其自由沉降 2.吹砂塵：底部氣壓噴塵，多檔壓力可調 1. Dust fall freely: adopt centrifugal fan to blow the sand or dust to the 1/5 of roof, then fall freely. 2. Blow the sand or dust: pressure spray dust from the bottom, multi-steps pressure adjustable				
測試標準 Test Standard	滿足JIS, ISO汽車相關測試, IEC60529, DIN40050, GB2423等相關外殼測試 Meet JIS, ISO, IEC60529, DIN40050, GB2423 test standard				
電源 / Power	AC220V ; 1φ 3線 ; 50/60HZ		AC220V ; 1φ 3 Lines ; 50/60HZ		