

高壓加速老化試驗機(HAST) Pressure Accelerated Aging Test Chamber (HAST)



產品用途：

廣泛應用於多層線路板，IC封裝，LCD螢幕，LED，半導體，磁性材料，鈹鐵磁，稀土等產品之密封性能的檢測，測試其製品的耐壓性，氣密性。

Application:

It's widely applied to the testing of sealing property for multi-layer circuit board, IC sealing package, LCD screen, LED, semi-conductor, magnetic materials, NdFeB, rare earths and magnet iron, in which the resistance to pressure and air tightness for above mentioned products can be tested out.

安全裝置：

- 內箱安全裝置：箱門若未關緊則機器無法啟動。
- 安全閥：當內箱壓力超過最大工作值自動排氣泄壓。
- 雙重過熱保護裝置：當內箱溫度過高時，機器鳴叫警報並自動切斷加熱電源。
- 門蓋保護：鋁合金材質製成可防止操作人員接觸燙傷。

Safety Device:

- Safety device for the inner box: If the inner box is not full closed, the machine can not start
- Safety Valve: When the inner box's pressure higher than the machine's undertake value, it will self-relieve.
- Double overheat protection device: When inner box's temperature is too high, it will alarm, and Automatic cut off the heating power.
- Cover protection: The inner box's cover is made of aluminum alloy, can protect the worker from scald.

特點：

- 具有自動加水功能並且在試驗過程中水位過低時自動補水。
- 試驗過程自動運轉至完成結束，使用簡便。溫度控制：LED數字型
- 溫度控制器可作精確試驗溫度之設定、控制及顯示。
- 計時器：LED數字型計時器，當箱內溫度到達後才開始計時以確保試驗完全。
- 精準的壓力/溫度錶隨時顯示箱內壓力與相對濕度。
- 運轉時流水器自動排出未飽和蒸氣以達到最佳蒸氣品質。
- 一體成型矽膠門墊圈，氣密度良好，且使用壽命長。
- 試驗箱內經拋光處理經久耐用美觀不沾污。

Features:

- Automatic adding water function, and automatic filling water upon the water short storage while testing.
- Automatic operation to test process finished, easy to use.
- Temperature control: LED digital temperature controller can make accurate testing of temperature setting, control and display.
- LED digital timer, when the inner box's temperature reached the setting value, then start to time to ensure the test complete.
- Accurate pressure: temperature chart always shows the inner box's pressure and relative humidity.
- Water device is automatically discharge not saturated steam in order to achieve the best steam quality.
- A integrated silica gel door gasket, air tightness is very good, and long operation life.
- The inner box is mirror-polished, graceful and non-pollution

技術參數 Technical Parameters:

型號/Model	HAST - 25	HAST - 35	HAST - 45	HAST - 55	HAST - 65
內部尺寸Φ×D (mm) Internal Dimension Φ×D (mm)	300×250	350×450	450×550	550×650	650×750
外箱尺寸W×H×D (mm) External Dimension W×H×D (mm)	850×1300×900	900×1350×900	1000×1480×1000	1150×1650×1200	1300×1800×1350
蒸汽溫度範圍 Steam Temperature Range	蒸汽溫度範圍：100°C~135°C，(143°C為特殊選用型) Steam temperature range: 100°C~135°C, (143°C is optional)				
相對壓力/絕對壓力 Relative Pressure/ Absolute Pressure	相對壓力：即壓力儀表顯示值； 絕對壓力：壓力儀表顯示值加1個環境大氣壓（即試驗箱內實際值）。 Relative pressure: display values indicated on the pressure gauge Absolute pressure: value that add 100 Kpa based on display values indicated on the pressure gauge (The actual value in the inner box)				
溫度、濕度、壓力對照表 Comparison Table of Temperature, Humidity, Pressure					
蒸汽濕度/ Steam Humidity	70~100%R.H. 蒸汽濕度可調 70~100%R.H. steam humidity adjustable				
使用蒸汽壓力(絕對壓力) Steam Pressure (Absolute Pressure)	0.0Kg / cm ² ~ 2.0Kg / cm ² (+101.3Kpa) ; (3.0Kg / cm ² 屬於特殊規格) 0.0Kg / cm ² ~ 2.0Kg / cm ² (+101.3Kpa) ; (3.0Kg / cm ² is special standard)				
循環方式/ Recursive Device	水蒸氣自然對流循環 Steam natural convection circulation				
安全保護裝置 Safety Protective Devise	缺水保護、超壓保護、(具有自動/手動補水功能，自動瀉壓功能) Water shortage protect, over pressure protect.(have automatically/manual water replenishing, automatically discharge pressure function)				
配件/ Accessories	不銹鋼隔板兩層 Two layers stainless steel plate				
設備容積 (L) Equipment Capacity (L)	17	43	87	155	250
電源 Powder	AC220V ; 1φ 3線 ; 50/60HZ		AC380V ; 3φ 5線 ; 50/60HZ		
	AC220V ; 1φ 3 lines ; 50/60HZ		AC380V ; 3φ 5 lines ; 50/60HZ		