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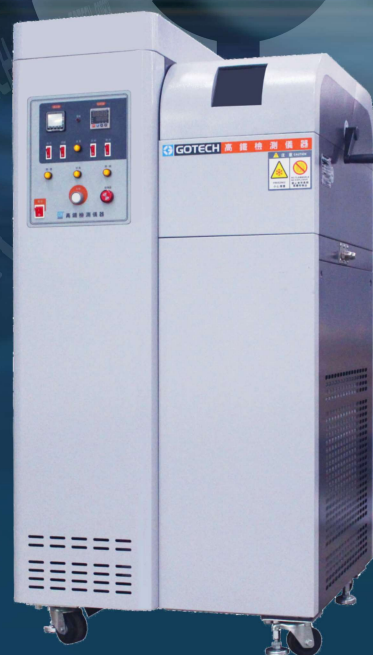
GT-7061-NDA 脆化試驗機 Brittleness Temperature Tester

GB/T 15256-2014、ISO 812-2017、GB/T 5470-2008、ISO 974-2000、ASTM D746-2014、ASTM D2137-11(2018)、JIS K6261-2006、BS 903 A25-1992

本機用於檢查電線之塑料外殼以及硫化橡膠在低溫測試時的脆化特性。將固定於試驗裝置上的試樣浸泡低溫介質中5分鐘，然後用衝擊頭以 $2 \pm 0.2 \text{ m/s}$ 的乾速度衝擊試樣，最後檢查試樣在最低溫度是否出現裂紋、裂縫、小孔、以及是否完全分離成碎片。
採用二段式壓縮機快速降溫製冷，最低溫度可達 -70°C (如需低於 -70°C 溫度，可於備用熱交換器接口中接入液態氮，最低溫度可達 -120°C)。溫度可控性高，低溫槽中液體傳熱介質可啟用攪拌馬達，使溫度均勻性更佳。每次可測試4組試樣，自動旋轉定位夾具對每組試樣進行衝擊測試，檢查出現脆性破壞的最低溫度。

This machine is designed for determining brittleness of the wire jacket or vulcanized rubber at a low temperature. It is impacted at a linear speed of $2 \pm 0.2 \text{ m/s}$ by a dart after a specimen fixed to the test device is soaked into a medium at low temperature for 5 minutes. The specimen is then checked for cracks, crevices, small holes and fragments at the lowest temperature.

With the two-segment compressor, this machine can reduce temperature rapidly. The lowest temperature is up to -70°C (You may add liquid nitrogen to the heat exchanger if you want to test at a temperature lower than -70°C . The lowest temperature is up to -120°C). The temperature is highly controllable. The liquid heat transfer medium in the low temperature tank can be stirred by the stirring motor so as to obtain a better uniform temperature.



控制方式	按鍵式+PLC
溫度範圍	常溫 $\sim -70^\circ\text{C}$ (壓縮機製冷) 另購 $-70^\circ\text{C} \sim -120^\circ\text{C}$ (液氮製冷)
溫度顯示精度	0.1°C
溫度偏差	$\pm 1^\circ\text{C}$ (常溫 $\sim -70^\circ\text{C}$ 壓縮機製冷) $\pm 2^\circ\text{C}$ ($-70^\circ\text{C} \sim -120^\circ\text{C}$ 液氮製冷)
衝擊速度	$(2.0 \pm 0.2) \text{ m/s}$
衝擊頭半徑R	$1.6 \text{ mm} \pm 0.1 \text{ mm}$
衝擊頭與試樣夾持器間隙	A型: $6.4 \text{ mm} \pm 0.2 \text{ mm}$ ($6.4 \text{ mm} \pm 0.3 \text{ mm}$ / $6.35 \text{ mm} \pm 0.25 \text{ mm}$) B型: $2.0 \text{ mm} \pm 0.1 \text{ mm}$
內箱材質 (W×D×H)	SUS316L
體積約 Dimension (W×D×H)	$81 \text{ cm} \times 95 \text{ cm} \times 150 \text{ cm}$
重量約 Weight (approx.)	330kg
電源 Power	3φ, 380V / 415V, 50HZ / 60Hz (依國別或指定 or specify)

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