

Low Temperature Flexing Tester for Footwear Upper GT-KC10C

Product Introduction

Application:

Low Temperature Flexing Tester: to determine the resistance of a material to cracking or other types of failure at flexing creases. The method is applicable to all flexible materials and in particular leathers, coated fabrics and textiles used in footwear uppers.

Feature

1. Materials of outer chamber: 2mm Double-sided color coated steel with power coated surface.
2. Materials of inner chamber: using SUS304 stainless steel, seamless welded. Beside, the outer structure of the inner chamber is reinforced with 10mm steel plates to meet the structural strength requirements of the bending test.
3. With vacuum glass observation window, more effective to observe the testing situation.
4. Temperament control: adopt 7inch color touch screen with Chinese and English version, easy to operate.
5. Low Temperature Flexing Tester equipped with 2 sets of mechanical compressor, two-stage compression refrigeration cycle can quick cooling up to specified inner temperature in the case of various fixture grips.
6. This Flexing machine has four kinds of flexing test systems with function of power off memory and automatic stop when test done.
7. All the testing fixtures are made of SUS304 stainless steel or aluminum, have a good corrosion resistance and anti-rust property.

Key Specifications

Model		GT-KC10C			
Flexing Parameters	Types of Test Grips	Whole shoes flexing test grips	Upper flexing test grips	ROSS flexing test grips	Bally flexing test grips
	Number of Position	2Sets	2Sets	2Sets	3Sets
	Flexing Speed	140cpm	300cpm	60cpm	100cpm
	Bending Speed	0-90° (Adjustable)	/	90°	22.5°
	Counter	Touch Screen, 0 - 999,999 (Adjustment)			
Control System		Touch Screen Programmable Microprocessor Control			
Temperature Range		-40~100°C			
Inside Chamber Capacity		150L			
Chamber Material		SUS # 304 Stainless Steel and Painted			
Power Supply		1φAC220V 50/60HZ			
Weight		500kg			

Standards:

For Bally Flexing Resistance Test	
SATRA TM 55; IULTCS/IUP 20-1; ISO 17694 ; EN 13512 ; EN344-1 section 5.13.1.3 and annex C; GB/T20991 section 6.6.2.8; AS/NZS 2210.2 section 6.6.2.8; JIS-K6545; BS 3144 Clause 13	Equipped with A type of upper grips.
ISO 32100 ; DIN53351; ISO5402-1; GE-24;ASTM D 6182 EN ISO 20344-2020 section 6.6.3	Equipped with B type of upper grips.
For ROSS Flexing Test	
ASTM D1052, SATRA TM60, BS5131 : 2.1,GB 20265, ISO 5423, HG/T2411, ISO4643	
For Upper Flexing Test	
ISO 5423 section 5.2, EN ISO 20344-2004 Section 6.5.2, AS/NZS 2210.2 Section 6.5.2, GB/T 20991 Section 6.5.2, GB20265 section 4.1, EN ISO 22288, SATRA TM25	
For Whole Shoes Flexing Test	
SATRA TM92	

Accessories:

For whole shoes flexing test	1set	Plastic pad
	1set	Heel clamp
For ROSS flexing test	1pc	Chisel cutter (2mm)