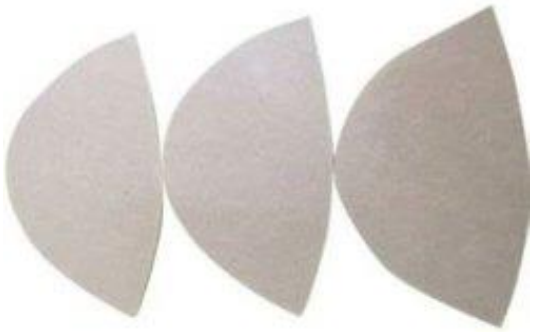
Test Method: SATRA TM83

RESOTECH TOE PUFF & STIFFNESS COUNTER TESTER

MODEL NO. RESOTECH SCH-047



This method is intended to determine the shape retention properties and compression strength of a domed test specimen. The method is mainly applicable to footwear box toe (toe puff) and stiffener materials but can also be used to assess any deformable material.The area of the dome is directly proportional to the height and since the dome is initially formed to a standard height the area shape retention can be found. This test method is performed in tandem with RESOTECH TM83 (collapsing load).As a result, initial shape retention and long term shape retention (ten collapses) can be assessed. The shape retention and collapsing load, are repeated on samples immersed in water to simulate the effect of moisture in wear.

Application

TOE PUFF & **Stiffness Tester** is used to measure bending resistance of whole shoes (France shoe Size 39, 42,and British shoe Size 6,Size 8). Clamp the foreshoes (confirming to 1/3 of palm shoes, located on shaft location), after motor launching, driving to pulley, to make shaft drive the turning board at 100mm/min to impose the strength of 30N to shoes in order to do test.

Features

1.LCD control, easy operate, and display results digitally.

2.Shoes Bending Stiffness Tester Equip with a decoder on shaft, and inducting angle speed of turning board, showing the value through the display with accuracy of 0.1°.

SPECIFICATION

Model	RESOTECH SCH-047
Capacity	200 N
Bending speed	100mm/min (adjustable)
Sample size	French standard: Size 39, 42 ; British standard : Size 6, 8
Test load	30 N
Bending position	1/3 of shoes
Angle resolution	0.1°
Force resolution	1/50000
Measurement method	Fixed fore to display angle Fixed angle to display force
Power	1ϕAC 220V 50/60HZ 3A
Dimension (W×D×H)	50×45×53 cm
Weights	40kg
Standards	ISO20864 SATRA TM83 IS7554