

Test Method: SATRA TM24

RESOTECH DIGITAL LASTOMETER MODEL NO. RESOTECH SCH-036

This



method is intended to assess how much a material can be stretched simultaneously in two directions (distended) without being damaged. This simulates conditions experienced during the lasting operation in footwear manufacture. The method is mainly applicable to footwear upper materials but can be used to assess any sheet material such as leather, plastics, and textiles. It is of particular value when assessing the risk of grain crack occurring on leather. Intended To Assess How Much A Material Can Be Stretched Simultaneously In Two Directions (Distended) Without Being Damaged. This Simulates Conditions Experienced During The Lasting Operation In Footwear Manufacture.

APPLICATION

Digital Lastometer is used to determine the anti-cracking index for upper, leather facing and all kinds of thin leather. Fixed the clamp frame round the sample, jacked up the ball to the inside of leather with 12mm/min. When leather is cracking, the value of increase height is the crack value.

Features

- Touch Screen & Button Control to choose;
- Easy Operation & Maintenance
- Steel balls and fixtures are manufactured with high precision and durability;
- User-Friendly Design;
- Machine protection: pre-determined upper and lower limit positions function

Principle

- Mount sample on the machine, a steel ball was placed at a predetermined speed (12 mm/min) (0.2mm/S) on the center portion of the inner surface of a circular leather sample. A crack was observed on the surface of the leather, and the height & force at which the first crack was generated were recorded, also the broken force and its height.

Specification

Model NO.	RESOTECH SCH-036
Control Method	Touch Screen/BUTTON CONTROL
Load	800N
Induction method	Load Cell Sensor
Unit	Kgf/N/Lbf
Diameter of grip	25mm
Steel Ball Diameter	6.25mm
Speed	12mm/min (0.2mm/S)
Power	1 ϕ AC220V 50/60Hz
Standards	DIN 53325, ISO-3379, QB 3812.7, SATRA TM24