

Test Method: SATRA TM25

RESOTECH VAMP FLEX TEST M/C (AT ROOM TEMPERATURE) MODEL NO. RESOTECH SCH-023



This is a 16-station version of the RESOTECH vamp flexer. The stations are located inside the freezer area to allow simple loading of test specimens and easy/frequent inspections without having to stop the machine.

This is a RESOTECH preferred test as it replicates the creases formed in the upper (vamp) during walking and gives a more realistic indication of premature failure of the material similar to that experienced in normal wear. To primarily intended to determine the propensity for materials to crack or be used to assess whether leathers are likely to produce salt spue. In particular the test simulates conditions in the vamp part of footwear during walking. The test can be conducted with either wet or dry specimens at room temperature or with dry specimens at sub zero temperatures.

Application

This machine is used to test vamp flex test-resistance to creasing and cracking.

Features

The method is applicable to all flexible materials and in particular those used to manufacture outers and linings of footwear uppers such as leathers, coated fabrics and textiles.

Principle

The sample is fixed on the fixture, and the clamp moves relative to each other, so that when the two clamps are close, the specimen is bent. During the test, the clamp moves at a constant speed, and the specimen is repeatedly bent. Observe the damage of the specimen.

Specification

Model no.	RESOTECH SCH-023
Clamp	40degree V-Shaped
Number Of Specimen	12pcs
Zigzag Frequency	300±30 Times/Min
Counter	LCD/LED, 0- 999, 999
Test Stroke	19mm
Flexing Speed	300±30FLEXES/MIN
Distance Between Clamp	9.5 ± 1.0 mm
Standards	SATRA TM25
Temperature	Ambient
Weight	64kg