

Whole Shoes Testing Equipment

GT-KA01-1 Whole Shoes Flexing Tester

To determine flexing durability of shoe sole and whole shoe after long-term continuous shuttle bending by fixed frequency and angle. And evaluate its crack degree as to improve quality.

Standards

SATRA TM 92



GT-KA01-2 Whole Shoes Flexing Tester

It is to test finished shoes, like sports shoes, casual shoes, work shoes etc. And determine its flexing resistance or indicating the cracks of shoe or shoe sole through reciprocating flexing movements under the specified angle and frequency.

Standards

SATRA TM 92



GT-KC27 Whole Shoe Flexing Freezing Chamber

This machine is specially used for low temperature flexing test of whole shoes, such as sports shoes, cause shoes, safety shoes etc. Under the low temperature condition, to assess the flex resistance or cracking after a period of reciprocating flexing movement under the specified frequency and angle.

Standards

SATRA TM 92



GT-KA01-3 Shoes Flexing Tester

It's used for determine the flexing resistance for whole shoe or shoe sloe(sheet) at room temperature. Flex the specimen under a specified angle and frequency to assess its cracking degree and observe the change of it's upper.

Standards

GB/T 3903.1



GT-KA02-1 Footwear Water Penetration & Flexing Tester

The machine can be used to test the dynamic waterproof performance of different kinds of finished shoes.

Standards

SATRA TM77

ISO20344- 2011 section 5.15.2



GT-KA02-2 Dynamic Footwear Water Resistance Tester

It is designed to determine the dynamic water resistance of all types of shoes.

Principle: The water tank is filled with a specified volume of colored water. A specimen is put on the artificial foot and flexed at a given angle and speed, and inspected at intervals for water penetration.

Standards

SATRA TM230



GT-KA03 Footwear Waterproof Tester

Used to determine waterproof performance of whole shoes. The shoes will be subject to mechanical scrubbing of rotating wet brush under a certain deep of water, which to measure water penetration of shoes.

Standards

GB/T 20991-2007 section 5.15.2

AS/NZS 2210.2 section 5.15.2



GT-KA04 Athletic Footwear Shock Attenuating Tester

It is used to measure the shock attenuating characteristics and rapid rate force-displacement relationships, of materials systems employed in the midsole of athletic footwear intended for use in normal running movements.

Standards

ASTM F1614(method A),

ASTM-F1976,

GB/T 24152-2009



GT-KA13 Whole Shoe Abrasion Tester

This tester is used to measure the abrasion resistance of finished shoe sole or molded sole (piece).

Standards

GB/T3903.2



GT-KA15 Water Penetration Tester

To fast determine the waterproof resistance of rubber shoes and shoe inner liner.

Standards

GB/T 20991 section 5.7, ISO 20344 section 5.7,

AS/NZS 2210.2 section 5.7, ISO 8782-1, HG/T3664



GT-KA16 Shoes Stiffness Tester

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.

Standards

GB/T 20991 section 8.4.1

ISO 20344-2011 section 8.4.1

AS/NZS 2210.2 section 8.4.1

ISO 17707 section 4.2

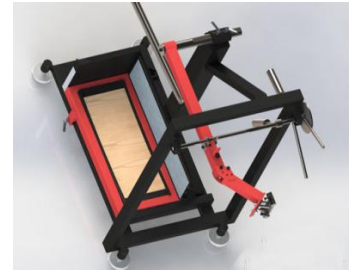


GT-KA17 Non Marking Testing Machine

Use to do non marking test for all the finished shoes products which require to do this test, so as to evaluate non marking performance for rubber sole of shoes.

Standards

NIKE



GT-KB16 Ankle Protection Materials Shock Absorption Capacity Tester

It is used for determination of the shock absorption capacity of ankle protection materials incorporated into the upper.

Standards

EN ISO 20344 Section 5.17

GB/T 20991 Section 5.17

AS/NZS 2210.2 Section 5.17



GT-KB17 Safety Shoes Impact Tester

It is used for impact resistance of safety shoes. Impact steel head of safety shoes by 100J or 200J kinetic energy, and inspect it subsidence to check it quality.

Standards

EN ISO 20344 Section 5.4 and 5.16, AS/NZS 2210.2 Section 5.4 and 5.16

GB/T 20991 Section 5.4 and 5.16,

BS EN-344-1 Section 5.3

BS-953 Section 5, ISO 20345

EN 12568 Section 5.2.2

CSA-Z195 Section 5.21,

ANSI-Z41 Section 1.4.5 ,

ASTM F2412 Section 5,

ASTM F2413 Section 5.1



GT-KB25 Safety Shoes Cold Insulation Test Chamber

To determine the Cold insulation test for safety shoes under low-temperature.

Standards

ISO 20344 section 5.13

GB/T 20991 section 5.13

AS/NZS 2210.2 section 5.13



GT-KB42 Shoe Dielectric Resistance Tester

This machine is designed to determine dielectric of various insulation shoes. The current leakage and voltage withstand are measured by applying a voltage at a given frequency to the specimen.

Standards

ANS-Z41 section 4, CSA-Z195 section 5.4 ,

AS/NZS 2210.2 section 5.11, GB12011, GB/T20991 section 5.11,

ASTM F2412 section 9, ASTM F2413 section 5.5



GT-KB47 Shoes Heat Insulation Tester

This tester is used to determine the heat insulation performance for the whole shoe. Place the specimen (a whole shoe) on the hotplate with a specified temperature for a certain period to examine the increase of temperature inside of the shoe.

Standards

ISO 20344 section 5.12

GB/T 20991 section 5.12

AS/NZS 2210.2 section 5.12



GT-KB48 Slip Resistance Tester

Apply a predetermined load by different mediums like wood, PVC, ceramic tile or specified and set specified friction times and speed, which is to measure the sole friction coefficient, and then judge the slip resistance of shoes.

Standards

ISO 13287, GB/T 28287, ASTM F2913, SATRA TM144



GT-KC38-1 Anti-static Electrical Resistance Tester

This instrument is used for testing the electrical resistance of the shoe or its materials so as to assess its anti-static characteristics.

Standards

EN ISO 20344 section 5.10, EN344-1 section 5.7
ANS-Z41 section 3; AS/NZS 2210.2 section 5.10
ASTM F2412 section 8, ASTM F2413 section 5.4;
CSA-Z195 section 5.6, GB/T20991 section 5.10



GT-KC38-2 Human Body General Resistance Tester

To determine whether the general resistance of human body go through by wrist strap and anti-static shoes to ground is qualified or not.

Standards

ANS-Z41 section 6 ANSI /ESD /S1.1 ANSI/ ESD /S97.1
ASTM F2412 section 10 ASTM F2413 section 5.6



GT-KC41A Shoe Peeling Strength Tester

This machine is determined for testing the peeling strength between sole and upper of a whole shoe or between outsole and medium bottom.

Standards

GB/T 3093.3



GT-KC41B Shoe Peeling Strength Tester

To determine the strength of the bond between the sole and upper at the toe and heel area of the lasted margin of completed footwear. The method is mainly applicable to stuck-on or moulded-on constructions with an extended sole edge.

Standards

SATRA TM404

