

东莞斯凯实业有限公司

DONGGUAN SKYLINE INDUSTRIAL CO., LIMITED



SKYLINE

## Footwear Testing Equipment



**SKYLINE provides full line of Toys Testing Equipment, Flammability Tester, Tensile Test Machine, Furniture Testing Machines, Textile Testing Equipment and other lab test equipment .We also offers value added support services like lab layout, calibration testing procedures / standards, recording techniques and operations of equipment, etc.**

**We have agents to support you in over 10 countries around the world. With a network of representatives providing sales and technical support world-wide.**

**Our experts specialize in footwear industry and providing test machine solutions of fatigue, flexing, impact, abrasion, waterproofness and friction&slip.We pledge to develop solutions that are tailored to your needs and update according to the latest standard.With the large discreteness of footwear material properties, it is imperative that every test be conducted with sample capacity large enough to obtain test results representing overall performance.**

**Therefore, to facilitate you to expand the sample capacity in every test, we provide footwear test machine of high degree automation with PLC controlling and accurate test data provided.Our services enable you to control the quality with accurate test data and high productivity in the cycle of product development.This helps you establish and maintain your brands so as to gain the trust and loyalty of consumers.**

**We are SKYLINE--the company specializing in designing and manufacturing lab test equipment.**

**We gain recognition from TUV, SGS, Intertek, Mattel, SASO for many years. Now we still remain committed to promote a safer and more sustainable future for the world.**

### SL-L27 SAFETY SHOE IMPACT TESTER (安全鞋冲击试验机)



※ **Standards:** ANSI-Z41, CSA-Z195, LD50, EN/ISO-20344, GB/T20991

※ This machine is designed for determining the resistance of safety shoes (toecaps) to impact. The electromagnet releases the striker to impact the steel toecap from a given height for evaluating the quality of the safety shoe. The infrared probe is used for measuring the instantaneous speed, which has alarm function and protect the specimen against the second impact.

SL-L19 FOOTWEAR COMPRESSION PUNCTURE TESTER

(安全鞋压缩防穿刺试验机)



※ **Standards:**

GB/T20991-2007,ISO EN 20344-2007,CSA-Z195,ASTM F2413-2005,BS-953,GB21148-2007

※ This machine is widely used in measuring the resistance of safety shoes to compression. With additional fixtures, this machine can also measure the compressive strength of steel toecaps and puncture strength of outsole. By using a computer based measuring system, the tester provides user a flexible, stable and convenient way to perform and manage test.

### SL-L55A ANTI-STATIC TESTER (防静电测试仪)



※ **Standards:** GB/T20991-2007, ENIS020344-2012, CSA/CAN-Z195, SATRA, GB/21146-2007

※ This machine is mainly used to measure the electrical resistance in the shoe, in order to understand the anti-static performance.

### SL-L28 SHOE PEELING STRENGTH TESTER (皮鞋剥离强度试验机)



※**Standards:** GB/T3903.3,BS20344/SATRA TM404:1992

※This machine is specially suitable for testing the peeling strength between the sole and the upper of the finished shoe. The shoe last is clamped on the peeling test machine, and the joint between the sole and the upper is peeled off with a lancet, and the force required for peeling is measured. For the peel force, the peel strength was calculated according to the peel force and the width of the knife edge.

### SL-L33 SHOE INSULATION TESTING MACHINE (成品鞋隔热性试验机)



※ **Standards:** EN12568,ANS1,J1S,CSA,GB12017 — 1989,GB/T20991-2007,LD50-1994

※ Put the test sample in a sand bath at a specified temperature and maintain it for a specified time. By measuring the temperature in the test sample or before and after the insole, the size of the temperature change and the severity of the damage to the test sample are used to evaluate whether the test sample is damaged. It has the advantages and disadvantages of thermal insulation performance and its performance.

### SL-L24A SHOES WATERPROOF FLEXING TESTER

(成品鞋防水曲折试验机)



※ **Standards:** GB/T-1644, SATRA TM77

※ This machine is used to test static water immersion resistance and dynamic bending waterproof performance. There are two types of test methods: timed immersion and water tortuousness. The immersion time or the number of twists and turns can be set. When the set time or number of times is reached, it will automatically prompt and stop. Adopt advanced sensing method, adjustable water seepage sensitivity.



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SL-L24B FOOTWEAR DYNAMIC WATER PROOFNESS TESTER

(成品鞋动态防水试验机)



※ **Standards:** SATRA TM230, EN20344, EN15020345

※ The machine is suitable for all footwear, into a certain amount of coloured water in the oven, another sample in a test fixture, bending test shoes at an Angle and speed of shoes head part analogy human feet walking performance. water proofing property of test shoes.

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SL-L05 SHOE FLEXING TESTER (成品鞋曲折试验机 (动后跟))



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※ **Standards:** SATRA TM92

※ This machine is designed for measuring the resistance of shoes of all kinds to flex. It determines the fatigue durability and service life of shoes by simulating the walking state of a person. This machine features simple operation, reasonable design, rigidity and durability, low noise and easy maintenance.

### SL-L16 HEEL IMPACT TEST MACHINE (鞋跟冲击试验机)



※ **Standards:** BS-5131, QB/T2863, IS019953, SATRA TM20

※ This machine is designed for determining the impact strength of the heels of all kinds of women's shoes with heights greater than 38mm. The maximum impact strength of heel is measured by using a pendulum striker to hit the secured heel. This machine features durable striking assembly, easy adjustable heel holding device and easy to read test result.

### SL-L15 HEEL FATIGUE TESTER (鞋跟疲劳试验机)

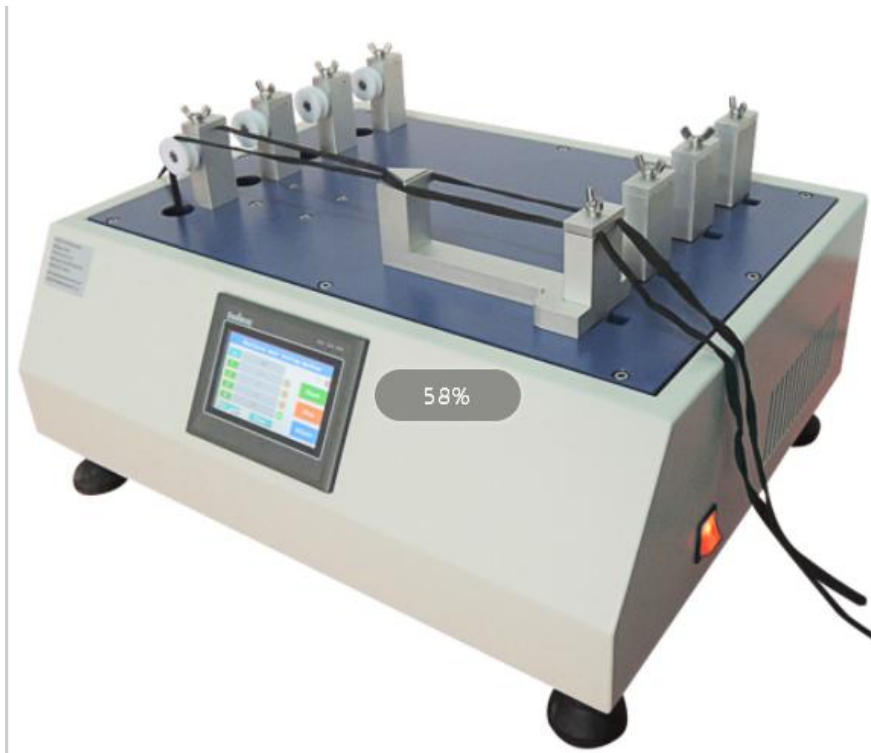


※ **Standards:** SATRA TM21, BS-5131

※ This machine is specially used to test the continuous impact resistance of the heels of women's high-heeled shoes and medium-heeled shoes. Under a certain energy and frequency, the punching edge of the machine continuously strikes the heel until the heel is fatigued and broken, so as to know the continuous impact bearing index of the heel and determine the durability of the heel.

### SL-L18 SHOELACE RUBBING RESISTANT TESTER

(鞋带与鞋带耐磨试验机)



※ **Standards:** DIN-4843, QB/T2226, TATRA TM154

※ This machine is suitable for all shoelaces wear resistance tests. Through the reciprocating motion of the movable gripper, the two shoelaces that cross each other horizontally are rubbed against each other to check the wear resistance. Four groups of samples can be tested at the same time without interfering with each other.

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SL-L22 LEATHER FLEXING TESTER (皮革耐挠试验机)



※ **Standards:** ENIS020344, J IS-K6545, GB/T20991

※ This machine is designed for determining the resistance of materials such as leather fabric to flex. The flexing resistance is determined after the specimen flexed for a specified time. It has a memory function and can test more than one specimen at a time. Custom-made number of specimens for test is also available.

### SL-L17 VAMP FLEXING MACHINE (皮革伸缩试验机)



※ **Standards:** SATRA PM.25, GB/T20991, ISO-4643

※ This machine is designed for determining the flexing resistance or physical damage resistance of all kinds of shoe vamps and soft materials. The specimen is flexed at a constant rate repeatedly as a simulation of walking. This machine features automatic-return function and allows users to set or modify flexing cycles.

### SL-L21 LEATHER FASTNESS TESTER (IULTCS 摩擦试验机)



※**Standards:** SATRA PM173,QB/T2537,ISO-11640

※This machine is designed for determining the colorfastness of leather,plastics and textile materials.The colorfastness is assessed by checking change in color of the specimen and stain of the felt after rubbing the specimen.Both dry and wet tests can be made by this machine.



### SL-L01 LEATHER SOFTNESS TESTER (皮革柔软度测试仪)



※ **Standards:** IUL TCS,/36,ISO-17235

※ This machine is designed based on IULTCS.IUP/36.It is characterized by accuracy,beautiful appearance,simple operation,easy maintenance and convenient portability.This tester is used to ensure that the leathers in the same pack are of a similar softness or assess that the softness of every part of single leather is uniform.

SL-L53 LEATHER BREATHABILITY TESTING MACHINE

(皮料透气性试验机)



※ **Standards:** GB/T20991, EN ISO20344

※ This tester machine is used to test the breath ability of leather and shoes upper materials, To test the ability of water vapor, in order to comply with all kinds of test regulation, the temperature is 20C and the humidity is 65%RH.

SL-L08 ELECTRONIC BURSTING TESTER (自动破裂强度试验机)



※ **Standards:** ASTM-D2210,ISO-2759,GBT-6545,JIS-P8112,L1018,TAPPI-T403

※ This machine adopts hydraulic pressure sensor. When the sample is broken, it automatically retains the maximum breaking strength value. The decomposition degree is 100 times higher than that of the needle type. It has a power-off memory function.

### SL-L02 TABER ABRASION TESTER (TABER 耐磨试验机)



※ **Standards:** ASTM-D1044,D3884.1S0-5470-1DN-53109.,52347.TAPPI-T476

※ This machine is designed for determining the resistance of cloths, paper, paints, plywood, leather, floor tiles, glass and natural rubber to abrasion. The test is made by abrading the specimen against the sand wheel. You can connect this machine to a vacuum cleaner.

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### SL-L45 DIGITAL LEATHER CRACKING TESTER (皮革开裂试验机)



※**Standards:** IS03379,QB3812.,DN53325

※This machine is designed for determining the strength of leather grain for various thin leathers and vamps During test ,the specimen is pushed by a steel ball until the flesh side of the leather cracks or breaks Users are allowed to stop the test to check the condition of leather.Test results can be directly displayed and printed.

### SL-L03 DIN ABRASIVE TESTER (DIN 耐磨试验机)



※ **Standards:** GB/T20991-2007, DIN53516, IS04649, IS020871, ASTM D5963, IS0EN20344-2011

※ This machine is designed for determining the resistance of polyester soles, outsoles and polymer sheet materials. The abrasive resistance is assessed by measuring the abrasion loss after the specimen is rubbed against sandpaper. This machine features high efficiency, good reproducibility and simple operation.

SL-L06 ROSS FLEXING TESTER (ROSS 鞋底耐折试验机)



※ **Standards:** ASTM-D1052, SRTRA TM60

※ This machine is designed for determining the resistance of rubber products, soles, PU, PVC, TPR, etc. to vertical flex. The deterioration, damage and crack are checked after repeatedly flexing the specimen. It has the memory function.

### SL-L26 SOLE BELT FLEXING TESTER (EN 鞋底弯折试验机)



※ **Standards:** GB/T2099-2007, EN ISO20344-2011, SATRA TM161 EN ISO17707, EN-344

※ This machine is designed determining the resistance of outsoles to repeated flexing. The specimen is mounted between two clamps and let the flexing axle pass through the cut on the specimen. When testing, the specimen is flexed at a specified angle for a given number, and then the length of cut growth is measured. This machine has the returning function, so it is convenient and time saving.



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SL-L63 DE MATTIA ZIGZAG TESTING MACHINE (DE MATTIA 曲折试验机)



※ **Standards:** IS-K6301, ASTM-D813, D430, BS-903, HG4-836, 837, GB-13934, GB/T20991

※ Clip in the specimens of the machine, after continuous bending fatigue of cracking degree observation in solution or compare their durability. Suitable for material such as rubber, leather, synthetic leather, shoe sole.

### SL-L31 MARK-II SLIP PROPERTY TESTER (MARK-II 止滑试验机)



※ **Standards:** ASTM F1677

※ This instrument uses the principle of the ratio of the horizontal component of the load to the vertical component to measure the maximum static friction prime of the test piece on the ground. This tester is portable and can be used on any dry, wet or soiled ground to test the slip resistance of soles and heels.

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SL-L67 MARTINDALE ABRASION AND PILLING TESTER

(MARTINDALE 摩擦试验机(4sets) )



※**Standards:** BS-3424,ASTM-D4966,DIN-5386,SARATM31,EN ISO-20344,GB/T20991-2007

※This machine is mainly used for testing textile,footwear layer outside,inside,bottom of the table similar fabric.Such as abrasion resistance,can test four samples at the same time,the direction of the hammer mill will change when testing,samples,by rubbing under the specified number of friction,measure the wear characteristics

SL-F10 ZIPPER RECIPROCATING FATIGUE TESTER (拉链往复试验机)



※ **Standards:** CNS-1083, QB/T2172, SARTA TM50, BS903

※ The machine is in test zipper in under the action of horizontal and vertical tension, see can support the number of reciprocating pull operation. When testing the instrument with the same speed drives the zipper pull head, 30 times per minute reciprocating motion, to the provisions of the number of stop, look at it for damage, to improve.

SL-L30 VELCRO FATIGUE TESTER (粘扣带疲劳试验机)



※**Standards:** GB/T3903.20,GB/T3903.21,GB/T23315,1S022777,IS022776.DIN3415,SATRA TM123

※The machine in the fastening belt repeatedly do peel and joint action,so that after a certain number of times,specimen cut into 75 \*20mm,then use the weight of the roller itself rolling specimens,even joint,again with another purchase tension tester,determination of the glue and adhesive strength.

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SL-L12 SHANK FATIGUE RESISTANT TESTER (皮鞋钢勾心疲劳试验机)



※ **Standards:** ISO-18895, GB/3903.35

※ The machine is suitable for inspection shoes with iron core ability to resist fatigue. Through certain force under the action of making sample to do reciprocating movement to complete the test. Reaches the preset number of test goods specimen cracking, automatic stop.

### SL-L09 LIGHT BULB YELLOWING RESISTANCE TESTING MACHINE

(灯炮耐黄变试验机)



※**Standards:** ASTM D1148,HG/T3689

※A:Yellowing resistance box is used to simulate daylight natural light irradiation and temperature control device is used to simulate the natural environment,through the test specimens were observed after a certain amount of time and distance of the yellowing degree try to evaluate test samples under the natural light to illuminate the ability of resistance to yellowing.

B:Place the test specimen in a high temperature environment,after a certain amount of time by evaluating the appearance of the test specimens of variations and compare the physical properties changes in the size of the material was tested to evaluate the thermal performance.

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