



SmartShrink Shrinkage Rate Tester

SmartShrink Shrinkage Rate Tester determines multiple shrinkage rate test results in 5 seconds for fabrics after washing, steaming, and dry-cleaning.

SmartShrink takes a picture of a fabric sample by using a camera equipped on the top, automatically measuring the distances between the marked dots, and calculates the test results by the patented vision inspection algorithm of ChiuVention. The test results will be real-time shared with the IoT-connected SmarTexLab app installed on the computer and smartphone.

SmartShrink automatically measures fabric shrinkage and calculates the test results, avoiding manual errors and making the test more accurate and reliable; It automatically saves the test data and sample photos, and can share and send the test results in real-time, making the test more transparent and trustworthy; The whole process of the test has been reduced from 6 minutes to only 5 seconds, making the test more rapid and reducing the cost by more than 90%.

SmartShrink

Shrinkage Rate Tester



- **The test results are more accurate and reliable.**
By using SmartShrink, the test sample is photographed with a high-definition camera, and the distances between the marked dots are automatically measured, then shrinkage rate is calculated with a unique algorithm, yielding all test results in real-time accurately.
- **Save \$30,000/year for textile testing labs.**
In the conventional process, for each sample to be tested for shrinkage, it totally takes 6 minutes to finish the work: measuring and recording before/after washing, calculating, typing the data into the computer, printing the report, etc., while SmartShrink can do all the work above in just 5 seconds.
- **Output multiple data at one time, reflecting the quality of fabric more comprehensively and objectively.**
Warp and weft shrinkage, seam twist rate, vertical twist rate, and diagonal twist rate can be output at one time, including credibility rating for the test results. It can evaluate the quality of the fabric more comprehensively.
- **Famous brands are using SmartShrink.**
International fashion brands such as Adidas, Anta, Texwinca and so on have widely used SmartShrink Shrinkage Rate Tester.
- **Can be connected to ERP or LIMS system.**
The test results can be directly uploaded to the factory's ERP or laboratory LIMS system. SmartShrink can help you manage shrinkage test data conveniently and efficiently.



Power

AC100-245V 50/60Hz 3A



Weight

40kg



Dimension

810*690*1170 mm(L*W*H)

The Specification of SmartShrink

Test mode:	automatic test
Sample test size:	200*200mm, 250*250mm, 350*350mm, 450*450mm, 460*460mm, 500*500mm, 10*10in. 15*15in. 18*18in. The sample test size also can be customized.

Note:

An additional computer is required (optional)
Operating system: Windows 10/11
Processor: Intel Core i3 or higher level
Memory: 16GB DDR4 or higher level
Hard disk: 500GB SATA, solid state drive is recommended.
Graphics card: Discrete graphics card 1G or more memory are recommended.
Expansion interface: USB3.0 or USB3.1

Standard

ISO 3759 ISO 5077 and other customized standards



WashTrue

Washing Color Fastness Tester

The WashTrue Washing Color Fastness Tester adopts smart temperature control algorithm to ensure that the washing color fastness test meets the test standards and the results are reliable. It is applicable to standards such as ISO 105 C06:2010, AATCC61-2013e3, GB/T 12490-2014, M&S C4A, AATCC190-2010e2 (2016) e2, NEXT TM 02, etc.

A series of testing operations can be completed on the touch screen, such as selecting standards, parameters, time, and temperature settings, adding water, draining water, etc., it is smart and efficient, and the buzzer alarms automatically when the test is completed. The WashTrue also has multiple safety designs, and can run long time with low noise.

WashTrue

Washing Color Fastness Tester



Smart, Easy to use and Efficient

The smart screen interface allows direct access to a variety of operations: selection of test standards, customization of test parameters, temperature calibration, selection of temperature increase rate, setting of time, heating temperature, etc.

Precise temperature control, more reliable testing

Smart temperature control algorithm achieves accurate and effective test water temperature control.

Humanized design, durable

Multiple safety protection design, the test rotating frame is equipped with an anti-jamming function to protect the instrument.
The heating is achieved by solid state relay controlled electric, bringing more stable temperature and longer service life.
The water tank is made of SUS304 material, also durable.



Power

AC/220V/3N/50/60Hz 40A
AC/380V/3N/50/60Hz 23A



Weight

45kg



Dimension

500*500*520 mm(L*W*H)

The Specification

Temperature setting range:	Normal temperature (>0°C)~ 95°C
Heating rate:	1.5±0.5°C/min
Temperature accuracy:	± 2°C
Speed:	40 ± 2 r/min
Distance from the bottom of the cup to the rotary axis:	45±10 mm

Standard Accessories

Test steel cup	
550±50mL or 1200±50mL	12 pcs
Stainless steel ball	
Φ6±0.5mm	200 pcs
Fuse ,380V 32A	4pcs
Inlet pipe	1pc
Drain pipe	1pc
Tape	1pc
Screwdriver	1pc
Throat hoop	1pc
Sampling plate	
40 x 100 mm	
50 x 100 mm	
50 x 150 mm	3pcs
Rubber gloves	1pc
ISO sealing or AATCC sealing	12 pcs
measuring cup 100ml	1pc

Optional Accessories

Test steel cup,550±50mL,	1pc
Test steel cup,1200±50mL,	1pc
Stainless steel ball Φ6±0.5mm	1pc
Stainless steel sheet Φ30±2mm thickness 3±0.5mm	1pc
ISO color change gray card	1pc
ISO color change gray card	1pc
AATCC color change gray card	1pc
DW Multi-Fiber Cloth 50m/box	1pc
AATCC No.10 Multi-Fiber Cloth 25m/roll:	1pc

Standard

ISO 105 C06: 2010 AATCC61-2013e3 GB/T 12490-2014
ISO105-C08-2010 GB/T 29255-2012 ISO105-C09-2010/amd.1:2003
GB /T 23343-2009 ISO 105 C10: 2006
GB /T 3921-2008 ISO105-E03:2010 ISO105-E12:2010
M&S C4A AATCC190-2010e2(2016)e2 NEXT TM 02

Optional Standard

ISO105-D01: 2010
GBT 5711-2015 AATCC132-2004e3



AtmoExplorer Temperature & Humidity Chamber

The AtmoExplorer is used for testing the performance of various materials under different environmental conditions. It is suitable for testing the heat resistance, cold resistance, dry resistance, wet resistance, and other properties of materials. The testing chamber is applicable for quality testing of products, such as electronics, electrical appliances, mobile phones, communication devices, instruments, vehicles, plastic products, metals, food, chemicals, construction materials, medical equipments, and aerospace products.

AtmoExplorer

Temperature & Humidity Chamber



- **Wide range of applications**

It can simulate the environment of high temperature, low temperature, high humidity, and low humidity, and is suitable for testing requirements in various fields and industries such as electronics, materials research, medicine, automobiles, food, etc.

- **Excellent performance on control precision and uniformity of temperature and humidity**

Temperature and humidity control precision: $\pm 0.5^{\circ}\text{C}$; $\pm 3\% \text{RH}$
 Temperature and humidity uniformity: $\pm 2^{\circ}\text{C}$; $\pm 3.0\% \text{RH}$

- **Achieve heating and cooling quickly**

When unloaded, the AtmoExplorer can achieve heating from room temperature to 100°C within 30 minutes. It can also achieve cooling from room temperature to -20°C within 60 minutes.

- **Intuitive and practical screen, easy to operate**

AtmoExplorer has a 7-inch large touch screen that displays information in both Chinese and English. The set values (SV) and perform values (PV) of temperature and humidity are displayed directly, as well as the currently executing program number, segment information, remaining time, and number of cycles.

- **Stable operation, originated from high-quality insulation materials and humidifiers**

The heating element is made of spring-type nickel-chromium wire, and the humidifier is a UL-shaped humidifier in the form of stainless steel electric steam generation.

- **High quality refrigeration system and refrigeration auxiliary parts**

Tecumseh fully hermetic high efficiency compressor from France, solenoid valve from Japan, and pressure controller & oil separator are international famous brand.

- **A variety of safety protection**

The burn prevention switch, the high-pressure protection for the compressor, the overheating protection for the compressor, the over current protection for the compressor, the no-fuse switch protection, the short-term water shortage alarm and the long-term water shortage shut-down protection.

- **Various sizes can be customized**

Such as 80L, 150L, 225L, 408L, 800L, 1000L



Power

380V 50HZ 20A 3 4 wire



Weight

295kg



Dimension

225L 1330*940*1670mm (D*W*H)

Specifications

Temperature range	$-20^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Humidity range	20-98%RH
Temperature and humidity control accuracy	$\pm 0.5^{\circ}\text{C}$; $\pm 3\% \text{RH}$
Temperature and humidity distribution uniformity	$\pm 2^{\circ}\text{C}$; $\pm 3\% \text{RH}$
Heating time temperature to	100°C , within 30 minutes
Cooling time temperature down to	-20°C , within 60 minutes
Testable area	500*750*600mm (D*W*H)

Controller specifications

Accuracy temperature	$\pm 0.1^{\circ}\text{C} + 1 \text{digit}$
humidity	$\pm 1\% \text{RH} + 1 \text{digit}$
Degree of Reolution	temperature $\pm 0.1^{\circ}\text{C}$, humidity $\pm 0.1\% \text{RH}$
Temperature slope	0.1~9.9 can be set

- Display the current program number, number of segments, remaining time and number of laps.
- Temperature and humidity program setting value is displayed in a circular curve, with instant display of program curve execution function.
- Separate program editing screen, at least 4 temperature and time steps can be input on each page.

TF414 IULTCS Rubbing Fastness Tester

The IULTCS Rubbing Fastness Tester is designed to perform rubbing fastness tests on leather surfaces to determine the degree of "wear&tear" of the leather surface, and to assess the degree of color transfer from the sample to the rubbing pad in dry or wet conditions.



Specifications

Friction hand: 500 +/- 25 g
Loading weight: 500 +/- 10 g
Dimensions of the bottom of the friction hand: 15 x 15 mm
Sample: 120 x 25 mm
Friction stroke: 35 ~ 40 mm
Friction speed: 40 +/- 2cpm
Timer: 1-999,999 times, automatically stops

Optional consumables

White Friction Felt 1000pcs / pack
Black Friction Felt 100pcs / pack

Standard

ISO 11640, ISO 17700 Method A,
QB/T 2537

Power: 220/110 V 50/60 Hz 3 A
Weight: 25 kg
Dimensions: 320 x 380 x 500 mm

TESTEX INSTRUMENT LTD

TESTEX is one of the leading developers and textile testing equipment manufacturers since 2010, focusing on developing and manufacturing instruments used in textile industry all over the world.

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TF420

Light & Weather Fastness Tester

This Weatherometer is equipped with calibrated lamps, specific filters, very accurately monitored irradiance, purified water, controlled atmosphere (humidity and temperature) and predefined light, dark and rain cycles durations to simulate a lighting exposure environment (both light and dark cycles), to determine color fastness to light, weather and light aging of various colored textiles and other materials, as for these applications, you can call this weatherometer a light fastness tester or fadeometer.



Features

humidity sensors, ultrasonic humidifier are imported from USA, Japan, Germany, etc.

Blackboard Thermometer (BPT), the Standard Blackboard Thermometer (BST), Irradiance detector and samples placed in the same position, a true reflection of the sample under test conditions, the data displayed as figures, charts, curves on the large color screen, no need to stop for observation.

Detection and wireless transmission using light energy conversion technologies for energy, not the other home power supply.

Sample holders can be timed independently to achieve different tests simultaneously in the same machine

Rated 2500W long arc xenon lamp simulate daylight spectrum.

Industrial temperature control (cooling) system offers quickly and smoothly control

Set of Sample Holders, set of Blue Wool Fabric (L1~L8), Gray Scale (Changing), Arc xenon Lamp and other

Standards:

ISO 105-B02, GB/T 8427,
ISO 105-B04, GB/T 15102-2006

Specifications

Working modes: To simulate and reinforce the impact of the nature of the measured object, providing light and dark, temperature and humidity, raining and other quantitative indicators.

Irradiance: 0.80 ~ 1.50W/m² @ 420nm (340nm, 300~400nm, 300~800nm is offered on request), Digital set, automatic closed-

loop compensation

Irradiance accuracy: ± 0.02W/m² @ 420nm

Light source: 2500W air-cooled long-arc xenon lamp

Sample holder: ISO / GB 16 Pcs, can hold samples 135 x 45mm

AATCC 8 Pcs, can hold samples 140 x

75mm

Temperature range: 25 ~ 50 °C, Resolution 0.1 °C

Humidity range: Bright cycle 10 ~ 70% RH,

Dark cycle 30 ~ 95%, R. H.

resolution 0.1%

Test time control: ≤ 10000h

Rotation speed of sample holder: 5 rpm

BPT Range: (40 ~ 80) +/- 2 °C

BST Range: (40 ~ 85) +/- 1 °C

BST: (40 ~ 85) +/- 1 °C

Power: 220 V 50 Hz 6.5KW

Weight: 250kg

Dimensions: 1050 x 660 x 1680 mm

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