

TF214 A/B Tab Wear Tester

TabWear Tester is a testing instrument to test the wear resistance of all kinds of structures including fabrics, leather, and rubber, paper, metals, paints, plated surfaces, coated materials, glass, etc. TabWearTester uses the X pattern of abrasion produced by the rotary action of a pair of abrasive wheels. It supplies with a full range of auxiliary weights, specimen holders. The abrasive wheels and wheel refacer are offered on request. Please contact us for more information about TabWear Tester for sale price.



Specifications

Wear Round Centre Spacing: 52.4 mm
Gyration Speed: 60 ± 1 rpm or 72 ± 1 rpm
Counter: 0-999,999 times
Weight: 2pcs 250g, 2pcs 750g
(used to produce 250g, 500g, 1000g mass on the specimen)

Optional order

Grinding Wheel CS 17 / CS 10 or others
Paster S 36
Sandpaper S 11

Model

TF214A TabWear Tester (single head)
TF214B TabWear Tester (dual head)

Standards

ISO5470-1, ASTM D3884, ASTM D3389
ASTM D4060, ASTM G195

Power : 220 / 110 V 50 / 60 Hz
Weight: 15kg (A) ; 25kg (B)
Dimensions: TF214A 290 x 380 x 240 mm
TF214B 530 X 380 X 240 mm
(L x W x H)

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.

✉: sales@tes.hk

☎: +86-769-23294842

🌐: www.TestexTextile.com

📍: NO.13, WanJiang Industrial Street

WanJiang, Dongguan, Guangdong, China



TF223

A/B ICI Pilling and Snagging Tester

ICI Pilling and Snagging Tester, also known as rolling box pilling tester, can quickly simulate the pilling of fabrics under normal wearing conditions within a certain period of time. The ICI Pilling Tester is available in 2 or 4 stations with a universal drive system equipped with an electronic digital counter and sample mounting fixture.



Specifications

Rotation Speed: 60 +/- 2 rpm
Control Mode: Single chip control
Touch panel

Optional order

Pilling Assessment Viewer
Set of 5 Photographic Standards
Mounting Jig (used to install specimens easily)
Cork liner – pack of 6
Rubber tube – pack of 4

Optional Standards

SnagPod for BS 8479
Snagging pins for JIS L1058

Model

TF223A ICI Pilling Tester – 2 stations
TF223B ICI Pilling Tester – 4 stations

Standards

ISO 12945-1, GB/T 4802.3, NEXT TM19

Optional standards

BS 8479, JIS L1058 method D-2

Power: 220 / 110 V 50 / 60 Hz
Weight: A:60kg B:110kg
Dimensions: A: 830 x 430 x 550 mm
B: 830 X 430 X 900mm (L x W x H)

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TF224

A/B Random Tumble Pilling Tester

Random Tumble Pilling Tester, provides a random tumble environment, to test the pilling and fuzzing performance of textile fabrics.

Random Tumble Pilling Tester uses stainless steel impellers that rotate within individually lit aluminum chambers constantly tumbling test fabrics against cork liners for a pre-determined time controlled by a timer and audible alarm. Compressed air is also injected into the chamber to assist in the tumbling action. With 2 or 4 pilling test chambers.

Laboratory standard compressed air supply is required.

Random Tumble Pilling Tester complies with ASTM D3512, JIS L 1076, etc.



Specifications

Size of Testing cylinder: Dia145mm,
depth: 152mm

Rotation speed: 1200r/min

Optional Accessories

Cork Liner (Pack of 50)

Cotton Sliver (0.9m/pack)

Photographic Standards (Set of 5)

Plastic blade 1 set

Standard

ASTM D3512

Power: 220 / 110 V 50 / 60 Hz

Weight: TF224A 65kg – 2stations

TF224B 86kg – 4stations

Dimensions: 530 x 370 x 550 mm

730 x 370 x 570 mm

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TF225

Circular Locus Tester

Circular Locus Tester, to determine surface deterioration and quality of fabrics (wool, chemical fiber, mixed, knitted and woven fabrics). Using an active friction system, fabric is rubbed against a nylon brush and abrasive or an abrasive only under controlled conditions. Results of the test are achieved in minutes.



Specifications

Test motion:	Circular Locus of Dia. 40mm
Test speed:	60 ± 1 r/min
Height of Brush:	2 ~ 12mm, adjustable
Pressure on specimen:	490cN, 590cN, 780cN,.
Dimension of specimen:	Dia. 113 ± 0.5mm (100cm)
Counter:	1 - 9,999 times, stop automatically

Optional orders

Standard Abradant gabardine
Standard Backing Foam
Standard Brush Set
Woolen fabric sample photos 3 small sets (total 15 photos)
Knitted fabric pilling sample photo I, II (a total of 12)

Standard:

GB/T 4802.1
Power: 220 / 110 V 50 / 60 Hz
Weight: 30kg
Dimensions: 550 x 260 x 380 mm

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Smartindale Martindale Abrasion & Pilling Tester

Smartindale Martindale Abrasion and Pilling Tester is used for fabric abrasion and pilling tests. It generates a Lissajous curve with a digital algorithm, and then drives the friction, achieving accurate running without calibration. You can switch test modes such as the abrasion test to the pilling test with one click without changing the pins.

You can also control and monitor the Smartindale from your smartphone by SmarTexLab app connection, and the test data can be uploaded to ERP or LIMS system, to realize smart testing.

It can test the abrasion and pilling resistance of cotton, linen, silk woven fabrics and other textiles, film materials, knitted fabrics, woolen fabrics, artificial leather, synthetic leather, gloves, labor protection materials, and so on. It is widely applicable to more than 20 international standards such as ISO 12945-2-2020, ISO 12947-2-2016, BS EN 530-2010; ASTM D4970/4970M-22, etc.

Smartindale Martindale Abrasion & Pilling Tester



- The Lissajous curve is calibration-free, making it a more reliable test.**
 Smartindale runs by an exclusive and patented digital algorithm that drives dual servo motors and precision slide rails, replacing the traditional mechanical analog drive to generate a perfect Lissajous curve. After more than 10 million times (equal to three years non-stop) of ultra-high intensity friction life test with rubber simulation specimen and double weight, the Lissajous curve is still accurate and perfect, so the test is more reliable.
- Can be connected to ERP or LIMS through an APP, more smart**
 Smartindale can be connected to the APP SmarTexLab installed on your smartphone, then you can set the parameters, monitor the test status, etc. After the completion of the test, the sample information, the test process, and the results can be uploaded to ERP or LIMS, to achieve smart testing, more in line with the requirements of the laboratory management system (ISO17025), such as CNAS or ILAC, so that the entire testing process is more convenient, transparent, and efficient.
- One-touch switching between abrasion and pilling testing, for greater efficiency.**
 You can switch the test modes (e.g. abrasion to pilling) on the control panel, no need to remove the cover plate and change the pin position.
- User-friendly design**
 The flip-up guide plate can be lifted with one hand, which is convenient for loading samples and taking samples; there is a cushioning function when the cover plate falls, which avoids damaging the machine and is safer for the operators.



Power
230V 50/60Hz 5A



Weight
90kg



Dimension
510*850*300 mm

The Specification of Smartindale

Abrasion test	
Max stroke of movement	60.5+/-0.5mm
Weight of holder and spindle	198+/-2g
Pilling test	
Max stroke of movement	24+/-0.5mm
Weight of holder and spindle	155+/-1g

Accessories

Fuse tube	2pcs
Foam wool	9 pcs Φ38 mm
Wool felt	18 pcs Φ90 mm, Φ140 mm
Wool abrasive	9 pcs Φ140 mm
Sampling plate	3 pcs Φ38 mm, Φ90 mm, Φ140 mm
Sampler	1 pc for pilling test
Sampler	1 pc for abrasion test
Press	1 pc Φ126mm, 2.5kg
Fixture1	9 sets for pilling test
Fixture 2	9 sets for abrasion test
Weight 1	9 sets 12Kpa
Weight 2	9 sets 9Kpa
Rubber ring	9pcs
Test pen	1pc
Connection shaft	9pcs for pilling test
Connection shaft	9pcs for abrasion test
Stainless steel ring	9pcs 260g

Optional Accessories

EMPA990 rating chart card	1 set	knitted + Woven
SM50 rating chart card	1 set	IWS + ASTM
SM25 abrasion resistant wool cloth	1 pack	1.6 X 5m/pack
Sm26 woven wool felt	1 box	24 pcs/box Φ140mm
Sm26 woven wool felt	1 box	24 pcs/box Φ90 mm
SM28 polyurethane ether foam	1box	250 X 200mm/pc, 25pcs/box

Standards

ISO 12945-2-2020 ISO12947-2-2016 ISO12947-1-1998
 ISO12947-3-1998 ISO12947-4-1998
 GB/T 21196.1-2007 GB/T 21196.2-2007
 GB/T 21196.3-2007 GB/T 21196.4-2007
 GB/T 4802.2-2008 BS EN 530-2010
 ASTM D4970/4970M-22 ASTM D 4966-22

Optional Standards

BS EN 388-2016+A1-2018 SATRATM31 A/B PUMA
 BS EN 16094-2012 ISO 20344-2021 Item 6.12
 BS EN 13520-2002 ISO 5470-2-2021