

TY360

A/B Wrap Reel

Wrap Reel, is to produce skeins of yarn of a pre-determined length and number of turns for count and strength testing. 1 meter, or 54 inches circumference collapsible swift (specify). Besides, the Wrap reel is equipped with yarn package stand and pre-tension device as well as the pre-determined counter.



Specification

Circumference of winch

TY360A: 1000 ± 1 mm

TY360B: 54 ± 1/16 inch

Number of wraps: 1 ~ 9,999 adjustable

Pre-tension: adjustable

Traveling reciprocating distance :
35 mm

Spacing of spindles : 60 mm

Reel speed: 30 ~ 280 r/min
(adjustable)

Power: 220 / 110 V 50 / 60 Hz

Weight: 45kg

Dimension: 900 x 610 x 610 mm (L x W x H)

Standard: ISO 2060, ASTM D1907 Step1,
GB/T4743, GB/T14343, GB/T6838

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



TY361

Yarn Count Tester

Yarn Count Tester, with automatically calculating yarn count systems, is used for sliver, roving, yarn and fabric. Yarn Count Tester consists of an accurate electronic balance and a built-in calculating program.



Specification

Weight range: 200g

Readability: 0.001 g

Base size: Dia. 90 mm

Display: Liquid Crystal Display (LCD) with Backlight

Operation: AC Adapter (Included)

Construction: Metal base, ABS top housing, stainless steel pan, glass draft shield with sliding top door, replaceable in-user cover

Units: tex, den, Nm, g, mg

Power: 220 V 50 / 60 Hz

Weight: 5kg

Dimension: 200 x 320 x 290 mm mm
(L x W x H)

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TY370 Twist Tester

Twist Tester, to determine yarn twist in single or plied yarns, is a quadrant type with auto stop & reverse function for conventional or untwist/re-twist methods.

Twist tester offers adjustable test length up to 500 mm and 20 inches for S & Z twist yarns. And with the inching function, the operator can get an esteemed twist quickly. Test result in TPI / TPM is directly displayed on the touch screen.



Specification

Touch screen

4 test methods: Direct counting,
untwist/re-twist,
3-times untwist/
re-twist method, etc.

Length of the specimen:
0~500mm adjustable

Twist speed: 100 ~ 1900 rpm

Yarn count range: 1 ~ 499.9 tex

Unit: TPM / TPI

Twist range: 10~4999

Standard Accessories

Weight

Yarn pulling stand

Wire pulling needle

Power: 220 / 110 V 50 / 60 Hz

Weight: 15kg

Dimension: 880 x 250 x 210 mm(L x W x H)

Standard: ISO 2061, ASTM D1422/1423

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TY380

Yarn Board (Board Winder)

Yarn Board (Board Winder), used to assess the evenness, hairiness, neps and other imperfections in a representative sample of yarn wound at a pre-determined pitch onto a tapered black yarn board.



Specification

Black board : 250 x 180 x 2mm
Yarn winding density : 7, 9, 11, 13, 15, 19
wraps / cm
Gear : 7 (adjustable)

Standard Accessories

Black board
Belt

Optional Accessories

Black board

Standard : ASTM D 2255, GB 9996
Power : 220 / 110 V 50 / 60 Hz
Weight : 30kg
Dimension : 620x490x360mm(L x W x H)

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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