



Universal Wear Tester

Abrasion and Wear Resistance Tester

A Multipurpose Instrument for Wear and Abrasion

The SDL Atlas Universal Wear Tester (UWT) is used to test wear and abrasion resistance of fabrics for apparel, shoes, upholstery, automotive, and many other areas. The instrument comes standard with a surface abrasion head (for the inflated diaphragm method) and a Flex abrasion head as well as necessary weights and blades. Accessories are available on request for conducting frosting, pilling and edge abrasion tests.

Elastomeric Pilling can be performed when used with the frosting attachment. With it, the instrument can determine the resistance of materials to the formation of pills and is generally applicable to all types of woven and knitted materials.

The UWT tests for resistance to surface abrasion, edge, fold, and projection abrasion; roll and fold testing; and flex abrasion. All tests may be made using specimens that are either dry or wetted in water, oil, or other liquids. Tests can be run automatically, minimizing the need for the operator to monitor the results.

Applications:

- Woven and knitted fabrics
- Napped and pile fabrics
- Hosiery
- Felt
- Non-woven and coated fabrics
- Yarns
- Shoe components
- Leather
- Paper



Also known as the Stoll Quatermaster Abrasion Tester

Features

Combines Stoll Flex and Stoll Abrasion tests in a single instrument

Automatic test mode allows for reliable, repeatable testing

Consistent motor speed ensures 120 double strokes per minute of 25 mm stroke length

Features digital controls for accurate cycle counting and timing

Digital counter and timer display number of strokes and time to sample failure

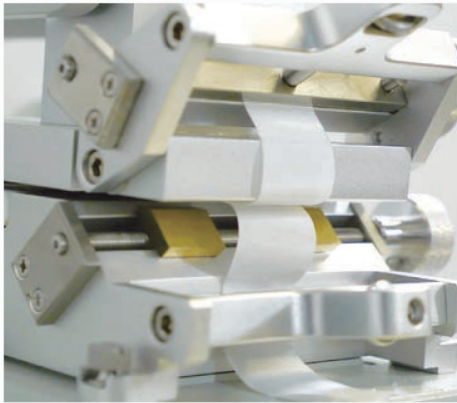
Advanced air injection system provides uniform diaphragm inflation

Supplied with two inflatable diaphragms - one with electrical contact and one without

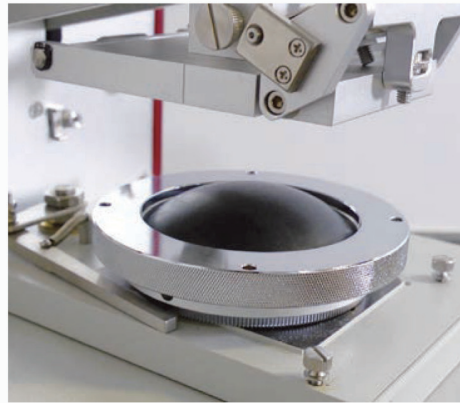


Designed for Versatility

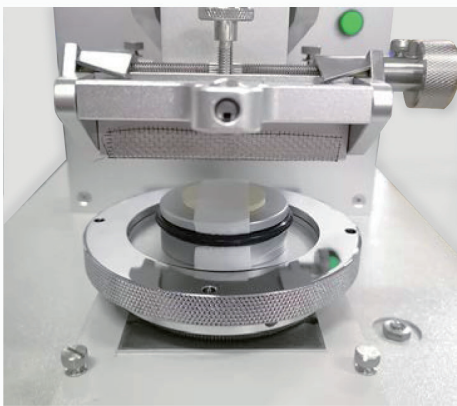
The Universal Wear Tester was designed to run numerous tests and can be set up in many different ways.



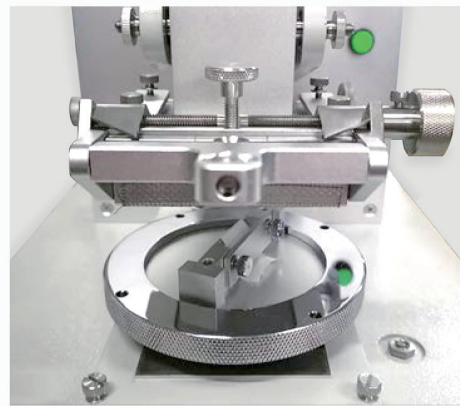
Flex Abrasion Set Up (Included)



Inflated Diaphragm Set Up (Included)



Frosting Attachment and Elastomeric Pad/Abrasion Set Up (Optional)



Edge Abrasion Set Up (Optional)

ACCESSORY

STANDARD	Inflated Diaphragm (Included)	Flex Abrasion (Included)	Elastomeric Pad (Optional)	Frosting (Optional)
AATCC 119			●	●
AATCC 120	●			●
ASTMD3514			●	●
ASTM D3885		●		
ASTMD3886	●			
FED-STD 191A-5300		●		
FED-STD 191A-5302	●			
FED-STD 191A-5303			●	●
FLTMBN 112-01	●			
FLTMBN 112-03	●			
FZ/T 01121	●			
Hyundai/Kia MS 200-20	●			
IST 20.1 (01)	●			
IST 20.2 (01)		●		
WSP 020.1R3 (12)	●			
WSP 020.2R3 (12)		●		

Providing Confidence

For over 60 years, the SDL Atlas companies have been providing confidence in standard based testing through expertise and global partnering. Our customers can be assured that they are making informed decisions based on accurate test results.

SDL Atlas experts work closely with standards committees and retailers on development of standards. Our engineers develop instruments to meet these standards. Our service team calibrates the instruments to exacting UKAS and internal standards. High quality test materials that are consistent from batch to batch are also produced and distributed by SDL Atlas.

Test Materials

Test materials are a critical part of many textile tests. SDL Atlas produces and distributes a complete line of test materials. Each batch is thoroughly tested to ensure conformity and consistency from batch to batch.

Test materials selection include:

- Multifiber
- Cork Liners
- Abradents
- Phenolic Yellowing
- Detergents
- Ballasts
- Crocking Fabric

Calibration & Service

- UKAS calibration
- ISO calibration
- Service support
- Factory trained representatives
- SDL Atlas service technicians



SDL Atlas is a UKAS accredited calibration laboratory No. 0688. With fully trained technicians located in Europe, Asia, and North America, we are prepared to support our customers in maintaining their investments and their confidence in their testing instruments.

Providing confidence in standard based testing through expertise and global partnering



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