TRIBOTOUCH

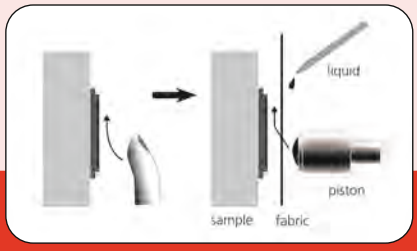
hand abrasion simulator



HAND ABRASION TEST ACC. IEC 60068-2-70
WHERE SURFACES MEET REALITY

Surface abrasion determines the product quality – with TRIBOTOUCH, you achieve consistent premium results.

- **TRIBOTOUCH** simulates complex chemical and mechanical stress of hand abrasion according to international standards.
- **TRIBOTOUCH** guarantees absolute reproducibility combined with high efficiency.
- **TRIBOTOUCH** delivers constant results at lowest cost of ownership throughout its life of service
- **TRIBOTOUCH** perfectly combines intuitive operation, high functionality, and highly modern industrial design.



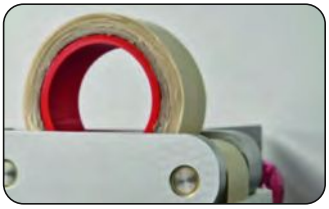
TECHNICAL HIGHLIGHTS



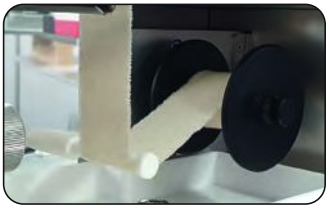
Consistent motion
The TRIBOTOUCH utilizes a highly dynamic linear motor to ensure precise motion control throughout its entire operational service life.



Exact Alignment
to guarantee the completely accurate and consistent positioning of all samples, the TRIBOTOUCH is equipped with a laser pointer and precise distance sensors.



Constant Material Flow
The textile supply is on rolls. The design allows accurate textile feed from the first to the last centimeter of the roll.



Unattended long-term testing
The used textile is automatically rewound with a constant counterweight system, enabling unattended long-term testing.



Consistent fluid feed
The multi nozzle wetting system applies the fluid homogeneously on the textile. This system improves the reproducibility of the test.

Technical information is provided in good faith but without warranty. Users must verify product suitability for their specific applications. Sales are subject to our General Conditions of Sale and Delivery.

ONE DEVICE, MANY POSSIBILITIES



Maximum Flexibility
The developer menu allows the free adjustment of speed, distance, and pauses. It is ideal for highly individual test sequences of the hand abrasion test and for linear tests.



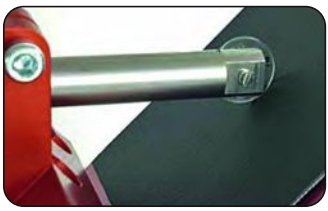
Fast Sample Change
For easy mounting of specimens and for quick inspection during testing. The slide is a combination of a mounting plate and a vice.



Variable Force Up To 30 N
The load is adjusted with weights (including 1N, 5N and 10N). Additional weights are available individually or as a set up to 30N.



Fingernail scratch test
Simulates the impact of the fingernail as a scratch or crease test (45°). In combination with the developer menu, parameters can be simulated with real conditions.



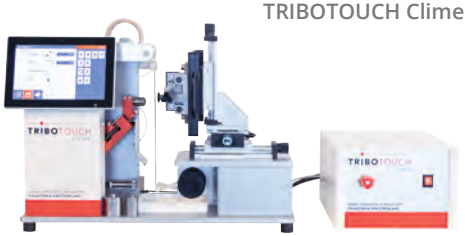
Standardized Automotive Tests (Automotive, GS 97034-2/3/11)
Simulates scratching by fingernails or shoe soles. A PMMA or rubber disc is pulled over the surface at a speed of 200, 700, or 1500 mm/s.

TECHNICAL DATA

TRIBOTOUCH



TRIBOTOUCH Clime



The TRIBOTOUCH Clime is based on the exact same technology as the TRIBOTOUCH, but is additionally designed for operation within a climate chamber and is approved for temperatures ranging from -40°C to +85°C.

Parameter	**TRIBOTOUCH** (Clime)	**Optional**
Normal Load	1, 5, 10 N	1 - 30 N (1 N Schritte)
Friction Path	1 - 40 mm	1 - 60 mm
Speed	60 mm/s	1 - 2000 mm/s
Linear Test	-	1 - 100 mm / 1 - 2000 mm/s
Scratch Test	-	1 - 100 mm / 1 - 2000 mm/s
BMW Fingernail / Shoe Sole Test	-	200, 700, 1500 mm/s
Cycles	1 - 10'000'000	-
Test Piston	20 mm	10 mm
Fluid feed	automatic / multi nozzle	-
Textile Feed	automatic / roll	-
Textile rewind	automatic	
Teperature range	+10 - +30°C (-40 - +85°C)	-
Powe	100 - 240 V, 50 - 60 Hz	-
Dimensions (L x B x H)	68 x 35 x 52 cm (40 x 30 x 21cm)	-
Weight	50 kg (60 kg)	-

Norms / Specifications
Intern. Norm: IEC 60068-2-70
Europ. Norm: DIN/EN 60068-2-70
ASD-STAN prEN 4860

Company Specifications
BMW: GS 97034
Mercedes-Benz: DBL 7384
Ford: BN 155-01

BSH
Geberit
IKEA
and many more

Experience TRIBOTOUCH - Schedule your appointment now.

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Watch demo video