GenVeslic – Leather & Surface Abrasion Tester

Standards: DIN 4843, ISO 11640, SATRA PM 173, AS/NZS 2210.2 Section 7.3, QB/T 2537, GB/T 20991 Section 7.3, ISO 20868, GB/T 40920, EN ISO 20344 Section 7.3, ISO 17700 Method A, GE-29

- ULTIMATE USER-FRIENDLINESS
- LEADING DEPENDABILITY AND RELIABILITY
- STRICT COMPLIANCE WITH INDUSTRY STANDARDS
- STOCKED CONSUMABLES AND SPARES
- TRUSTED AFTER SALES TECHNICAL SUPPORT
- LIFETIME PRODUCT SUPPORT ADVANTAGE

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Description

GenVeslic is a reciprocating abrasion tester designed to evaluate color fastness and surface durability on leather, textiles, plastic-coated materials, and other dyed surfaces under controlled rubbing conditions. It uses a wool felt abrasion head, defined pressure, and a fixed reciprocating stroke to assess color change, fading, and staining transfer during both dry and wet abrasion testing. For footwear, leather goods, coated materials, and quality control laboratories, it provides a practical way to compare material performance, verify finishing quality, and support standards-based abrasion and rubbing fastness programs. It provides laboratories with a controlled and repeatable method for assessing surface durability, finish performance, and color transfer across leather, footwear, and other coated materials.

Main Features

GenVeslic is built for labs that need controlled abrasion testing, consistent specimen handling, and reliable evaluation of surface finish performance across leather and related materials.

- **Dry and Wet Abrasion Testing:** Designed for both dry abrasion and wet abrasion evaluation on dyed and finished surfaces.
- **Color Fastness and Surface Wear Assessment:** Helps measure color change, fading, and staining transfer after controlled rubbing cycles.
- **Wool Felt Abrasion Head:** Uses white wool felt under defined pressure to create a repeatable abrasion action against the sample surface.
- **Touchscreen Control:** Allows operators to set and record test counts and manage start-stop functions through a clear front control interface for routine laboratory use.
- **Adjustable Sample Fixture Spacing:** The sample extension fixture allows adjustment of the distance between the front and rear fixtures to support proper specimen setup.
- **Multiple Station Configurations:** Available in 1-position, 2-position, and 4-position versions to match lab throughput and testing volume.
- **Controlled Movement Parameters:** Uses a defined rubbing stroke and movement speed to improve repeatability from test to test.
- **Application-Focused Leather and Footwear Testing:** The supported standards and test setup make it especially relevant for leather, footwear, and coated material testing programs.

Applications

GenVeslic is intended for laboratories and manufacturers that need to evaluate how dyed and finished surfaces respond to repeated rubbing under controlled conditions. It is particularly useful where color transfer, finish wear, and visible surface degradation are critical product-quality concerns. It is especially useful where color transfer, finish wear, and visible surface degradation must be evaluated under repeatable laboratory conditions.

- **Leather Testing:** Color fastness and abrasion testing for leather used in footwear, accessories, and finished goods.
- **Footwear Materials:** Surface durability evaluation for leather and coated components used in shoe uppers and related constructions.
- **Textiles and Coated Materials:** Suitable for dyed textiles, coated surfaces, and plastic-based materials where rubbing performance matters.
- **Quality Control Programs:** Useful for incoming inspection, lot comparison, finishing validation, and release testing.
- **Product Development and Material Benchmarking:** Helps compare coatings, dyes, finish systems, and material constructions under repeatable abrasion conditions.

Who This System Is For

GenVeslic is well suited for organizations that need dependable abrasion and rubbing fastness data as part of a structured leather, footwear, or coated-material testing workflow.

- Footwear manufacturers
- Leather goods manufacturers
- Leather and footwear quality laboratories
- Materials engineering and product development teams
- Third-party testing laboratories
- Brands and sourcing teams reviewing finish durability and color transfer performance

Technical Specifications

For labs comparing abrasion testers or planning installation, the specifications below summarize the available station configurations and the key operating parameters used in routine testing.

Parameter	Value
Model Options	GenVeslic 1 / GenVeslic 2 / GenVeslic 4
Working Positions	1 / 2 / 4
Testing Head Area	15 mm x 15 mm
Movement Speed	40 +/- 2 cycles/min
Rubbing Stroke	35 to 40 mm
Rubbing Finger Mass	500 g
Additional Weight Mass	500 g
Fixture Distance	80 mm
Sample Size	120 x 20 mm
Tension Extension Range of Sample	0 to 20%
Power Supply	1-phase AC 220 V, 50/60 Hz

Standards

GenVeslic supports recognized abrasion and color fastness methods used in leather, footwear, and related surface-durability testing programs. The primary supported standards include:

- DIN 4843
- ISO 11640
- SATRA PM 173
- AS/NZS 2210.2 Section 7.3
- QB/T 2537
- GB/T 20991 Section 7.3
- ISO 20868
- GB/T 40920
- EN ISO 20344 Section 7.3
- ISO 17700 Method A
- GE-29

Standard Accessories

GenVeslic is supplied with the core accessories required for routine setup and abrasion testing.

- **500 g Weights:** 1 pc per position
- **Power Line:** 1 pc

Optional Accessories

Optional accessories are available for labs that need consumables, sample preparation support, or visual assessment tools for test evaluation.

- Standard Wool Pads
- **Pneumatic Sample Cutting Machine:** Cutter size 120 x 20 mm
- Gray Scale for Color Change
- Gray Scale for Staining

Need a Better Way to Evaluate Leather and Surface Abrasion Performance?

If your lab is testing leather finishes, coated materials, or footwear components for rubbing fastness and visible surface wear, GenVeslic can help standardize that process. Share your sample type, target standards, throughput requirements, and dry or wet test needs with NextGen Material Testing, and our team will help you review the best configuration and prepare a quote for your application.

GET A QUOTE