



Functional Textile Testing (High-Performance)

Ensure your textile performance
and functional claims

Your Challenges

The demand for multi-functional clothing is growing faster than ever before. To capture this booming market, leading brands and manufacturers are incorporating functional textiles into their products to add certain features such as UV protection, water repellency, wind resistance, breathability and more. However, it is often difficult to ensure that the performance claimed are actually passed on to the end consumers. It is important for brands and retailers to work with a trusted quality assurance partner to ensure the end consumer's product experience and the product meets regulatory standards for market access.

What is a Functional Textile?

Functional textiles represent the latest cutting edge technology in textile science. Functional textiles are technical materials that give textiles certain functions, such as breathability, UV protection, heat-resistance and water repellency. Because of these properties, it is often used in textile products where performance is a critical factor, such as:

- Protective clothing**
 Includes functional textiles that can provide protection against mechanical impact, electric shock, radiation, hazardous substances, infectious agents, fire, extreme cold, cuts, perforations and abrasion.
- Sportswear**
 Includes functional textiles that enhance the functionality of athletes by providing high level of breathability, vapor permeability, thermal insulation, wind proofness, water proofness, and/or UV protection, depending on the sport and environmental requirements.

- Medical-functional clothing**

Includes functionalities such as absorbency, air permeability and durability for garments used for surgical clothing, therapeutic clothing, healthcare and intelligent functional clothing.

Testing for Functional Textiles

Performance tests for functional textiles determine the reliability of the product and give brands and manufacturers confidence that their products are correctly performing the applied functions for the end user. In addition to the usual tests for garments like chemical tests, colorfastness, and strength tests, functional clothing undergoes additional tests such as anti-static tests, breathability tests, weather resistance tests, thermal resistance tests, recovery tests and more, depending on the product's claimed functions. In this way, brands can protect their reputation by delivering the claimed functions to end users and by identifying areas where functional improvements are needed to improve performance to exceed customers' expectations.



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information!



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Modern Testing Services



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Our Solutions

Our extensive global network of laboratories, enables us to deliver our services to you and your suppliers, regardless of where you are located or where your products are ultimately shipped. Drawing on our decades of experience and technical expertise, we offer a wide range of functional textiles testing solutions to ensure the quality, safety and compliance of your products, such as:

Protective Functions

- Anti-bacterial test
- Anti-static test
- Thermal resistance test
- Ultraviolet protect factor test
- Waterproofing test
- Wind resistance test
- And more!

Comfort Functions

- Quick dry test
- Breathability test
- Stretchability test
- Recovery test
- Cooling performance test
- And more!





Durable Functions

- Stain repellency test
- Iron free test
- Wrinkle recovery test
- Abrasion resistance test
- Delamination resistance test
- And more!

Product Scope

Activewear	Accessories
Aprons	Bedding
Fitness clothes	Face masks
Gloves	Sportswear
Shoe covers	Diapers
Surgical gowns	Swim/Diving suits
Outdoor/Camping gear	Tents
Ski jackets	Mattress covers
Alpine climbing wear	Therapeutic clothing
Home textiles	Summer/Winter wear
Disinfecting wipes	Firefighting suits
Lab coats	And more!

Key Benefits at a Glance

- 
Ensure product compliance and simplify market access in more than 180 countries.
- 
Protect your brand's reputation by ensuring the product meets its functional claims, and enhancing areas where functional improvements are needed.
- 
Mitigate the risk of product recalls, customer complaints and litigations.
- 
Reduce testing costs and duration by tailoring testing packages to your product's specific requirements and eliminate any redundant or unnecessary testing.



About Us

Modern Testing Services ("MTS") was founded in 2006 as a quality assurance company specializing in testing, inspection and certification of consumer products. MTS operates without the pressure of short-term financial results and believes in long-term relationships built on trust, commitment and transparency. Today, MTS is a trusted partner to many leading brands, retailers, and manufacturers around the world, providing accurate, efficient and customized solutions at every point in the supply chain to ensure product quality, brand protection and customer satisfaction.

MTS joined Eurofins in November 2021. The synergy between MTS and Eurofins enables an expanded global service network in more than 35 locations in over 20 countries, as well as more robust technical expertise from over 2,000 dedicated and knowledgeable employees with additional product category coverage and more comprehensive services.



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