



FIRE TESTER FOR TEXTILE & FURNISHINGS

Fire Tester for Textile & Furnishings

Textiles and furnishings present a significant ignition and fire spread hazard in residential, commercial, and public buildings. Regulations in virtually every major market — from the European Union and the United Kingdom to North America, China, and Australia — mandate that fabrics, carpets, upholstered furniture, bedding, and protective textiles meet defined flammability performance standards before they can be sold or installed. The scope and complexity of these requirements demands a specialised, purpose-built instrument range.

The Torontech ToronFT™ Fire Tester for Textile & Furnishings is the most extensive single-source fire testing range available for the textile and interior furnishings industries, comprising 21 specialist apparatus covering every major product category and test method. From vertical and horizontal burning tests for apparel and home textiles through to ignitability and composite flammability testing for complete upholstered furniture assemblies, the ToronFT™ range addresses ISO, EN, BS, ASTM, and national regulatory test requirements — enabling manufacturers, retailers, and testing laboratories to qualify products for global markets from a single, cohesive instrument platform.

APPLICATIONS

Applications & Industries

The ToronFT™ Fire Tester for Textile & Furnishings is specified by organisations across the following sectors:

- Apparel & Fashion Manufacturers: flammability compliance testing for children's sleepwear, nightwear, and general apparel under 16 CFR 1615/1616, EN 14878, and national regulations
- Home Textile & Bedding Manufacturers: flammability performance testing of bed linen, blankets, curtains, and decorative textiles
- Carpet & Floor Covering Manufacturers: critical radiant flux, pill test, and 45° flame spread testing for broadloom, modular, and specialty flooring textiles
- Upholstered Furniture Manufacturers: composite ignitability and burning performance testing of sofas, mattresses, chairs, and cushion assemblies
- Technical & Protective Textile Manufacturers: flame resistance characterisation for industrial protective clothing, safety netting, and medical textiles
- Third-Party Testing & Certification Laboratories: independent flammability evaluation for global market access certifications and retailer compliance programs
- Retail & Brand Compliance Teams: supplier qualification testing and incoming goods inspection for flammability-regulated textile categories
- Research & Standards Development Institutions: textile fire behaviour research and test method development for national and international standards bodies

FEATURES

Why Choose the ToronFT™ Fire Tester for Textile & Furnishings?

Our Advantage	What That Means for You
The Most Comprehensive Textile Fire Range Available	With 21 specialist apparatus spanning every textile and furnishing category — from raw fiber and woven fabric through to complete upholstered furniture assemblies — the ToronFT™ range provides unmatched breadth of coverage for laboratories serving the global textile and interior furnishings industries.
Apparel, Home Textiles & Technical Fabrics	The range addresses vertical, horizontal, and 45° flame spread test methods alongside ease-of-ignition, pile surface burning, and flame resistance tests — covering flammability requirements for apparel, bedding, curtains, carpets, and technical protective fabrics within a single instrument family.

Our Advantage	What That Means for You
Furniture & Upholstery Specialist Testing	Dedicated apparatus for mattresses, sofas, cushions, and upholstered chair assemblies address the composite flammability requirements of the UK Furniture & Furnishings (Fire) (Safety) Regulations, California TB 117, ISO 8191, and equivalent regulations that govern the global furniture market.
Emerging & Regulatory-Driven Categories	Dedicated testers for medical protective mask materials and safety network flammability reflect the ToronFT™ range's responsiveness to emerging regulatory requirements — giving laboratories the capability to address new product categories without procuring general-purpose alternatives.
Standards Alignment Across Markets	Apparatus address ISO 6940, ISO 6941, ISO 15025, EN 1021, BS 5852, ASTM D6413, ASTM E648, 16 CFR 1610, 16 CFR 1630, California TB 117, and a wide range of national textile and furnishing flammability standards — making the ToronFT™ range suited to laboratories serving global export markets.
Laboratory Efficiency by Design	Consistent specimen clamping systems, intuitive controls, and Torontech's modular laboratory design approach allow textile testing laboratories to configure an efficient, high-throughput test facility — with applications support covering test method setup, specimen conditioning, and result interpretation.



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