





FITI MISSION STATEMENT

FITI's mission is to develop our clients' products throu knowledge and technical e

Our aim is to protect consumers as and their products by providing ef speed, satisfaction, and sustainab

and enhance the quality of gh industry specific xpertise.

well as the integrity of our clients ficient and accurate services with ility.

FITI CODE OF ETHICS

FITI SERVICE CHARTER

FITI Code of Ethics guarantees that the full extent of our services are performed in compliance with the highest ethical standards.

The FITI Service Charter ensures that we provide our most convenient and reliable services in all critical sectors of the testing, inspection, certification, and R&D industries.

HISTORY

FITI Testing & Research Institute was established in 1965 and is one of the largest conprofit testing, inspection, certification, and R&D institute in the world. Considered one of the most innovative textile testing laboratories in the world, FITI services are now being used by more than 100 of the top global apparel brands and serves over 25,000 plus satisfied customers. FITI's organizational structure guarantees the most accurate results in technical integrity with regular internal and external correlation exercises including comparison testing with the AATCC ensuring results that are reproducible, traceable and up to the very highest quality standards.

1965

1994

The 1st accredited testing lab by KOLAS

1996

Cooperative lab with Japan Spinners Inspecting Foundation (BOKEN) 1997

Accredited testing lab by Ministry of Construction & Transportation

Affiliated lab for Geosynthetic Institute in USA 1998

Assigned as the testing lab for Water Quality Analysis

Recognized as the "#1 Friendly Service Provider," FITI understands the importance of fast and reliable quality testing and invests heavily in training our staff to ensure the best customer care and services. Our commitment to customer service is unparalleled in the industry and is most apparent through our highly flexible and dedicated team of professionals.

1974

Authorized lab by the Woolmark company

1983

Cooperative lab with

1986

Type Approval lab under Ship's Safety Law

Appointed as secretary organization for Intl. standardization Technical Committee 38(ISO TC38) 1988

Foreign Inspection Body for Japan Industrial Standard Mark (JIS Mark)

2001

Assigned Reliability
Assessment
Organization by
Ministry of Commerce,
Industry & Energy

2002

Cooperative lab with Yantai Entry-Exit Inspection & Quarantine Bureau of China 2004

Appointed as International Organization for Standardization Technical committee 221 (ISO TC221) Secretary

Made the Mutual Co-operative Agreement with TRI in the USA

2007

Accredited as the sole textile educational institute by AATCC

Made the Mutual Recognition Agreement on GB18401 with China Textile Academy (CTA) 2006

Accredited testing lab by National Maritime Police Agency for analysis of maritime pollution

Appointed as a specialized Animal Fiber Testing Institute by CCMI, USA

2008

Accredited as a safety certification authority by the CPSC

Appointed as an Institute of Inspection for Textile Goods and Accessories by AEON, Japan's biggest retailer

2010

Global Testing Service set up in cooperation with FITI Associates, in China, India, Thailand, and Vietnam 2011

Global Testing Service Coverage expanded into Indonesia, wider parts of India 2012

Draft ISO 13029 officially adopted. Introduction of FITI T-Map Systems. 24-hour vendor customer support

ACCREDITATIO GLOBAL PARTN

FITI is one of the very few internationally approved institutions

Private Accreditations

Accredited by Marks and Spencer and Decathlon via lab audit and/or correlation exercise

Accredited by Arcadia and Next via correlation exercise

Approved lab by leading retailers all around the world

Gap, Kohl's, Levi's, JAG, Forever21, PoloRalphLauren, Guess,

American Apparel, Marks&Spencer, Next, Mango, Bhs, KappAhl, BeBe, Ergo Baby, etc.

Accreditation by Governments and Industry Associations

The 1st accredited testing lab by KOLAS

Assigned as a lab for testing rubber granules for artificial turf by Ministry of Education

Accredited testing lab by Ministry of Construction & Transportation

Assigned as a testing lab for Water Quality Measurement by Ministry of Environment Assigned Reliability Assessment Organization by Ministry of Commerce, Industry & Energy Accredited testing lab by National Maritime Police Agency for analysis of maritime pollution

Accredited as the sole textile educational institute by AATCC

Accredited as a safety certification authority
Type Approval lab under Ship's Safety Law
Accredited as a reliability assessment institute

Foreign Inspection Body for Japan Industrial Standard Mark (JIS Mark)

AATCC ASTM

CPSC

FITI Korea

Korea Consumer
Ministry of Environm
Korean Intellectual Pro
Korea Air Cleaning Asso
Korea Accreditation System
KOLAS Korea Laboratory
Ministry of Trade, Industry and
Ministry of Land, Transport and











FITI Global Partners

China Inspection and Quarantine Bureau CIQ

China Textile Agency CTA

China Testing Lab Agency CEPREI

Japan Ministry of Economy Trade & Industry

Japan Consumer Science Lab Agency

Japan Testing Agency BOKEN

California Department of State

USA GeoSynthetic Institute

Instituto Nacional de Normalización Textil, A.C.

Russia Standard Testing Institute

Saudi Arabia Government

Texas Research Institute

Canada CTT Group

Partners

Agency

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perty Office

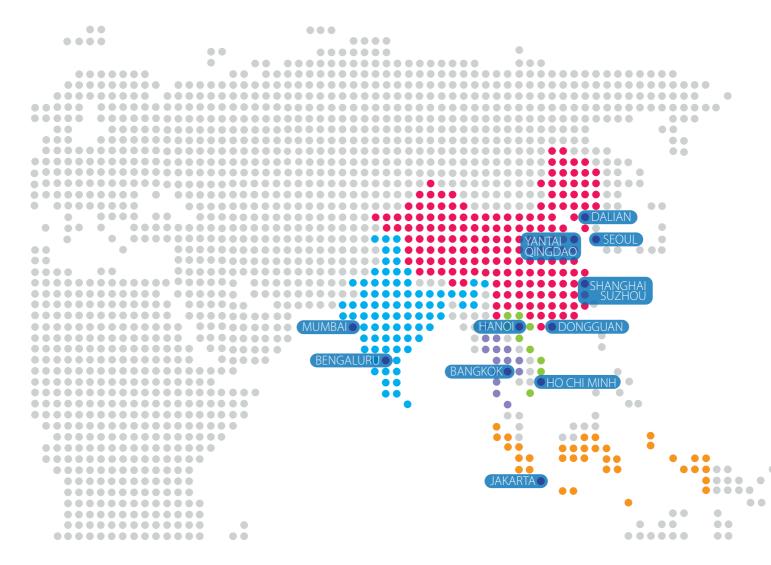
ciation

Accreditation Scheme

Energy

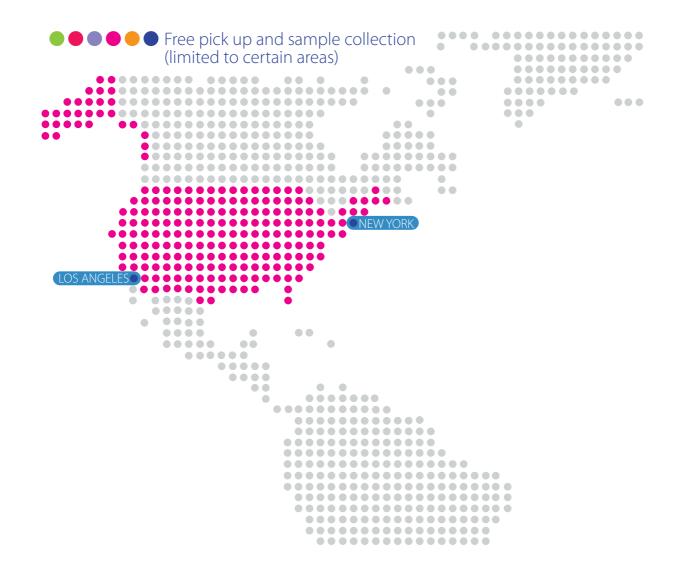
Maritime Affairs

GLOBAL NETWORK





The FITI Global Network works closely with local regulatory authorities within developing consumer markets where safety regulations are being established or introduced. FITI is committed to providing exemplary services by providing regular training program, inter-laboratory correlation exercises, and special commitment from top management to ensure our customers' success in local markets.

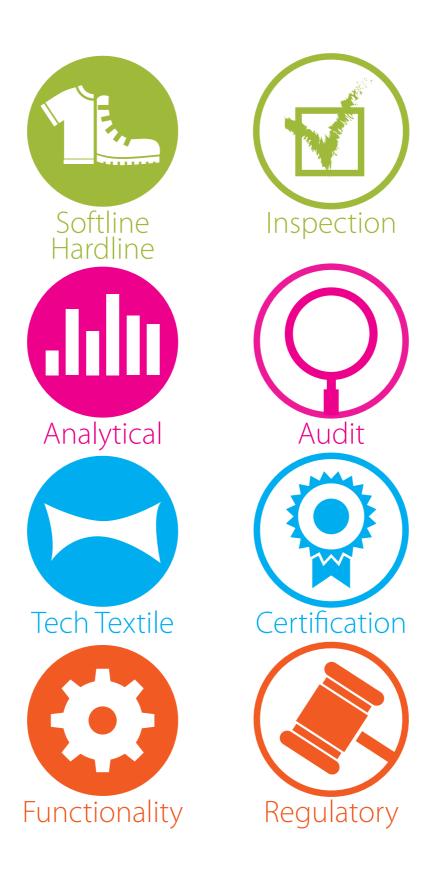




WE DO

SOFTLINE HARDLINE ANALYTICAL TECH TEXTILE FUNCTIONALITY

INSPECTION
AUDIT
CERTIFICATION
REGULATORY



TEST SERVICE

Quality Manual & Review

When it comes to a quality manual, the safety of both people and the environment comes first. The other priority is the quality assurance of products that are put out on the market. At FITI, these objectives are often encountered by the question: "How can we accommodate them while putting the least amount of financial burden?" The answer is drawn from an equation consisting of variables such as regulatory requirements, target quality, target market, product lines, manufacturing processes, and so on. FITI can happily write the safety and quality manual best suited for Customers' needs based on our thorough understanding of regulatory requirements and the accumulated experience as a quality assurance service provider. If there is a preexisting quality manual, we can provide complimentary review services in terms of changing regulatory requirements and Customers' increasingly demanding needs.

Regulatory Update

Regulatory information will be updated to Customers and its suppliers biweekly via FITI Plus+, a designated team devoted to this mission. We believe that without daily monitoring, it would be extremely difficult to keep up with increasingly complicated regulatory requirements. Regulatory information is getting more and more important for retailers and their supply chain because they must manufacture products in compliance with changing regulatory requirements. It cannot be emphasized enough that failure of regulatory compliance by retailers and/or their suppliers will lead to devastating consequences, such as law suits and loss of confidence from customers.

IT Support

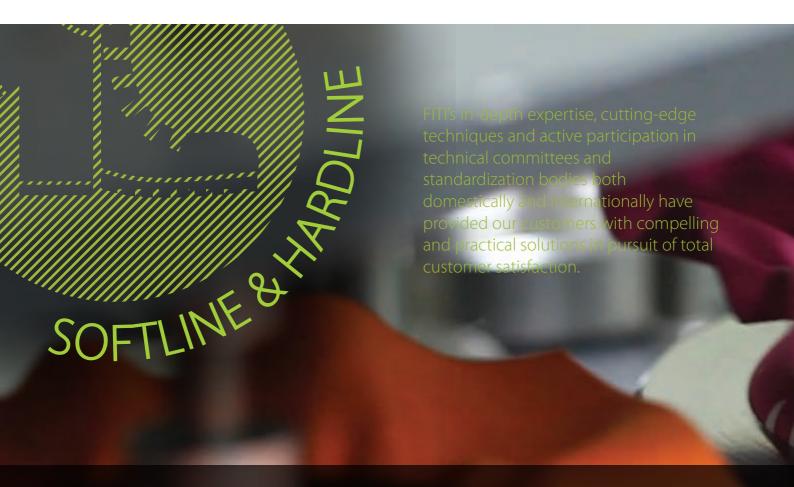
FITI LIMS (Laboratory Information Management System) makes all information as diverse and specific as possible in order to meet various demands for statistical analysis on product quality and assessment of suppliers. Without a hitch, FITI data can be incorporated into Customers' IT system.

In addition, the newly developed FITI 'Bizconnect' is available as a customizing service for your benefit. With this service, you can access every test report from around the world simply by accessing our website. Furthermore, the communication channel for shipping, particularly in the case of failed test results, helps you and your suppliers get connected via web, 24 hours a day and 7 days a week irrespective of place. Test related statistical information can also be incorporated into this system upon analysis.



As a non-profit institution, FITI Testing and Research Institute offers 5-30% discount compared to the industry average. Faster turn-around times further reduce costs by 8.5% for our valued customers





Physical Tests
All types of Color Fastness
Dimensional Stability
Spirality
Visual Appearance
Construction
Yarn Count
Weight
Tensile Strength
Tearing Strength
Bursting Strength
Seam Slippage
Stretch and Recovery
Pilling
Abrasion
Snagging

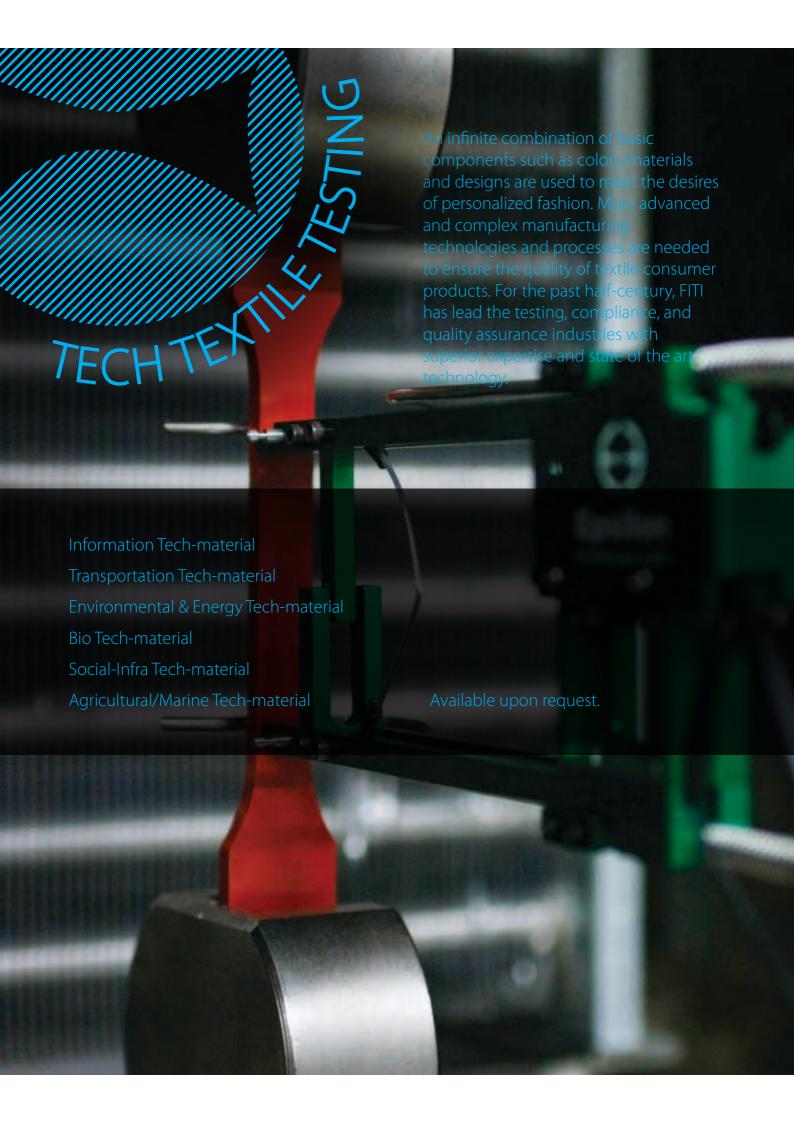
Many more...

Fiber Analysis Flammability Animal Fiber Analysis Cashmere, Racoon dog, Fox, Cat, Yak, etc. Functional Tests
Thermal Resistance
Antistatic Test
Air Permeability
Breathability
Antibacterial Test
Fungus Test
House Dust Mite Test
WR, WP Test
UPF
Many more...



Full range of Eco Tests, ROHS, REACH
Determination of Toxic Heavy Metals by ICP-OES, ICP-MS
Elements Analysis by XRF, AQF-IC(Halogene)
Determination of Azo-dye, Organotin compounds, PCP, PBBs, PBDEs, ODS, PCB, NP/OP, SSCP, Phthalate, VOCs by GC-MSD, Headspace/ATD-GC-MSD, GC-ECD
Disperse dyes, Carcinogenic dye, NPEO, Formaldehyde by LC-DAD, LC-MSD
Determination of Finess, Thickness of coating layer (electroplating)by SEM-EDS
Identification of Polymer by FT-IR Imaging system
Morphological analysis of surface by AFM





HIT's advanced and full range of assessment capabilities helps the interests of all interested parties protected. To objectively assess the claimed products serves to protect the interests of manufactures who would have spent a lot of money in research and development and consumers alike. Functional characteristics in textile poducts can be categorized into four parts: Comfort, Convenience, Health, and Safety. Uner each category there are groups of test parmeters to assess distinctive functional characteistics, such as Hygroscopic Heat Generation, Deodorization Test, and Soil Repellency. At HIII, all this can be assessed as one stop service by highly talented and experienced technicians with the state of the art and full range of testing equipments. Below are our full capabilities of functional textile testing:



Correlation Exercise
Equipment Maintenance
Control of Consumables
Calibration Program

ZERO QUALITY COMPROMISE

Comfort

Water Vapor Resistance

Water Vapor Transmissior

Drying Time

Drying Rate

Antistatic Test

Triboelectricity

Half-life

Surface resistivity

Water Resistance

Thermal Resistance & Evaporative

Resistance with Mannequi

Hygroscopic Heat Generation

IR (Infrared) Thermal Tes

Coolness and Warmth by Touch

Air Permeability

Thermal Resistance

Convenience

Wrinkle Free or Easy Care

Soil Repellency

Water Repellency

Oil Repellency

Health

Antistatic Test

Antifungal Test

Antimicrobial Test

Insect Repellency

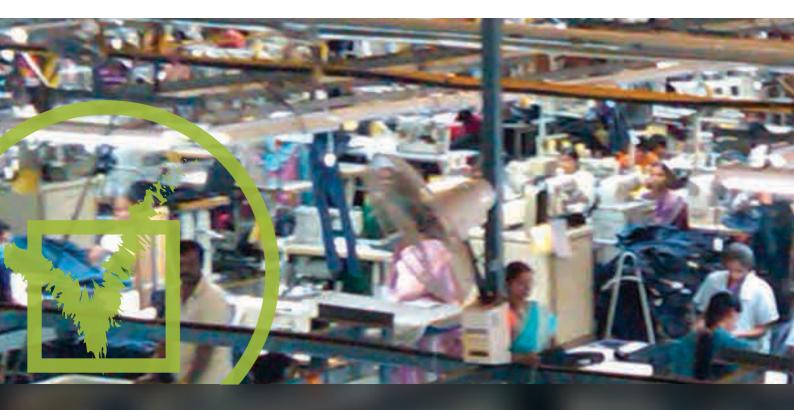
Deodorization

Safety

UV Transmission

Flammability Test





INSPECTIO

Despite improvements in long distance communication, there is still no substitute for on-the-spot supervision of manufacturing. If your company is located thousands of miles away from your product source, you should ensure that your interests are well protected and that quality products are being manufactured. By using an independent inspection entity, problems will be identified and prevented at the source prior to shipment, and possibly during production. In your absence, FITI can monitor the entire Quality Assurance operation.

FITI has a strong worldwide reputation for providing independent third party testing & inspection services. Clients benefits because FITI oversees products on your behalf at all stages starting from the development, through the manufacturing process, to pre-shipment.

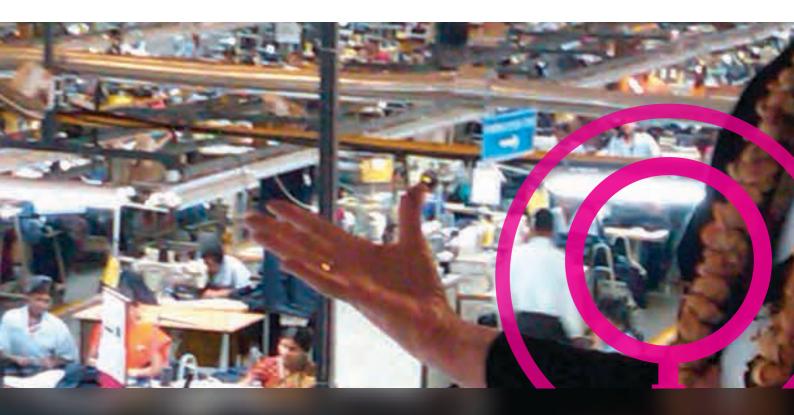
Client Request Inspection

Requested by buyer for shipment Requested by manufacturer for quality assurance

Main Items to be Inspe Yarn, Fabric, Garment, stuffed toy, leather goods, etc.

Inspection Parameters Appearance, Specification, Property, Color, Quantity, Package Condition, etc.

Major Clients Gap, Jones Apparel Group, Guess

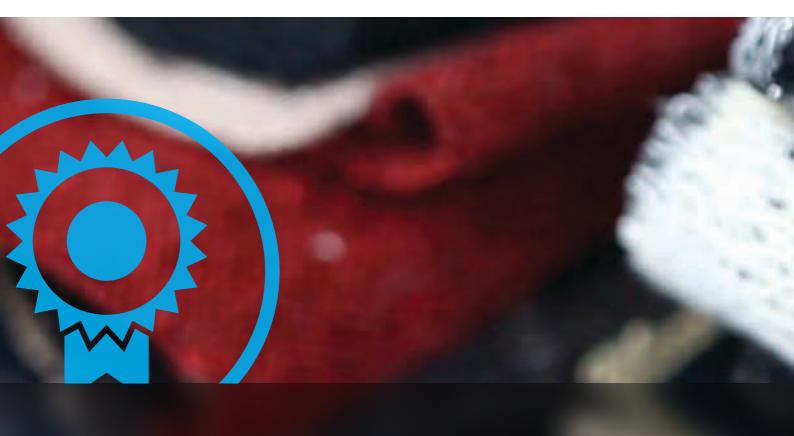


AUDIT

FITI provides evaluation services through the Social Accountability Assessment Program (SAAP) in order to ensure that suppliers meet the social compliance standards set by clients. This evaluation service does not merely identify issues, but partners FITI with clients in order to find solutions for compliance issues and improve overall social responsibility.

More details are in the following "Social Accountability".

ISO 9000/14000 Certification Audit KOLAS (Korea Laboratory Accreditation Scheme) Audit KC Certification Audit 'SF', 'Q' marks Certification Audit



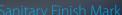
CERTIFICATION

When evaluating the quality of a product, if Testing and Checking are fragmentary (2 dimensional) approaches, then Certification is a fuller (3 dimensional) approach to ensure quality.

Typically, certification is only given to final products that are produced by production equipment and the adequacy of a product is assessed according to certain standards. The products are then retested and ensured of their suitability according to certain standards such as safety regulations or quality standards. To maintain the effectiveness of the certification, routine post management is performed. If issues come up during the post management process, the certification will be revoked unless the problem is corrected immediately.

When it is determined that the target item's frequency and degree of accidents are low, it is possible that the assessment of production equipment is omitted and only the authentication through testing is administered. FITI Testing & Research Institute is operating a variety of certification schemes regarding textile products and is constantly expanding to other industry sectors.







Quality Mark



Cashmere Mark

Certification Procedure

Application



Factory Evaluation



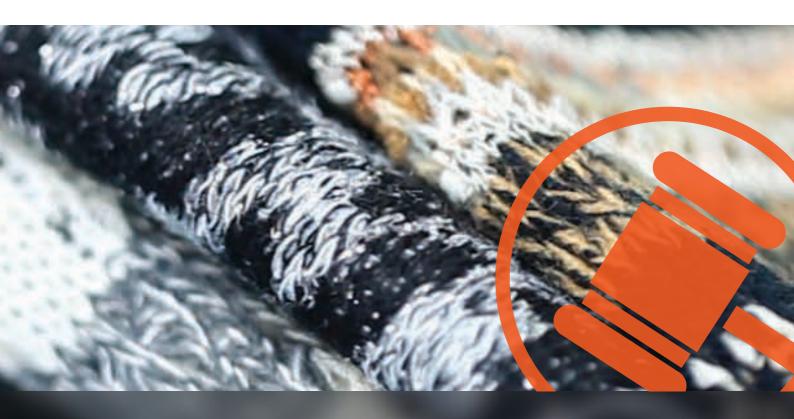
Testing



Certification Committee



Periodic Evaluation



REGULATORY







Korea Certification



In order to ensure product compliance, FITI provides regulatory compliance testing services according to the regulatory requirements of major countries such as CPSIA, REACH, California Proposition 65, GB and KC.

Due to the innate complexity of laws and regulations, the full or partial applicability of regulatory requirements may be ambiguous. We help our clients overcome this obstacle through our dedicated consultling services.

We also distribute our biweekly newsletter (FITI plus+) to our valued clients worldwide so that they can be aware of regulatory updates and take preventative measures before they are faced with compliance threats to their business.

TECHNICAL SUPPORT & RELIABILITY ASSESSMENT

Training & Seminar

Testing (AATCC / ASTM, ISO, BS, KS, GB) Regulatory update Buyer quality manual Industrial trend update Solution to failure

Consultation

Failure Analysis
Testing
ISO 9000 Quality Management System
ISO 14000 Environmental Management System
ISO 17020/5 Testing and Inspection Quality Management system
KC mark Certification

Our Publication is as follows:

Regular: Textile Journal, Testing Guides of the Functionality of Apparel Products Non-Regular: Textile data book, Testing guide, Textile testing method, investigative report

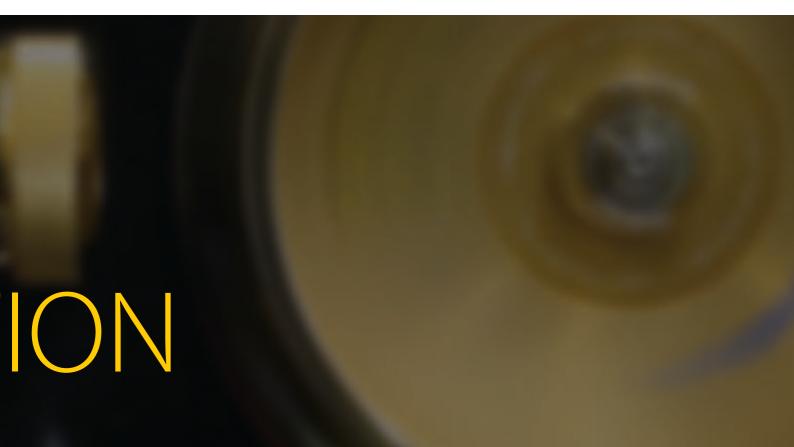
FITI Reliability Assessment Center is providing technical support to improve client's global competitiveness through 'Reliability Assessment', 'Service Lifetime Prediction', and 'Failure Analysis'.

Reliability Assessment Services include:

- Development of reliability testing method and Standardization & Development of accelerated life testing method & life-stress models
- Prediction of service life time and shelf life time
- Durability assessment to weathering and environmental stresses
- Reliability certification testing
- Design of testing facilities for accelerated life testing

STANDARDIZAT





Standardization Activities on Global Basis

Standardization Body	Standards	Proposed by FITI
AATCC	AATCC 107: Colorfastness to water	To revise the testing time to reduce for specimen immersion
	AATCC 81: pH of the Water Extract from Wet Processed Textiles	To add the testing condition which is in cold water specimen extraction
	AATCC 162: Colorfastness to Water : Chlorinated Pool	Consider testing condition to improve the reproducibility
	AATCC 20 : Fiber Analysis Qualitative - Identification for Metallic	To avoid confusion of identification for metalic yarn, ICP method is recommended
	AATCC 20 : Fiber Analysis Qualitative – Identification for PLA (poly lactic acid)	To develop the identification method of PLA
ASTM D13 Textile D35 Geosynthetic	ASTM D276 : Standard Test Methods for Identification of Fibers in Textiles – Revision for addition of identification for silica fiber	To develop the identification method of silica fiber
	ASTM D6918 - 03(2007) Standard Test Method for Testing Vertical Strip Drains in the Crimped Condition	New test method was added as method B (Revised ASTM D6918 is published and included the method B on Jan. 2010)
ISO/TC38 Textiles	ISO/CD 13029 Textiles – Determination for Drying rate of moisture management textile in dynamic state	New test method for determination for drying rate of MMT textile which is conducted by modified 'Sweating Guarded Hot-plate"

SOCIAL ACCOUNTABILITY

To help our customers take advantage of this challenge, FITI developed the Social Accountability Assessment Program (SAAP), which is designed for the continuous improvement of working conditions in facilities by auditing the global supply chain of retailers and brands.

SAAP consists of compliance audit tools and processes that evaluate current practices, providing interpretations of working and management requirements at the supplier level. SAAP is ultimately working to find and remedy root causes of noncompliance, focusing on suppliers' solutions and implementation.

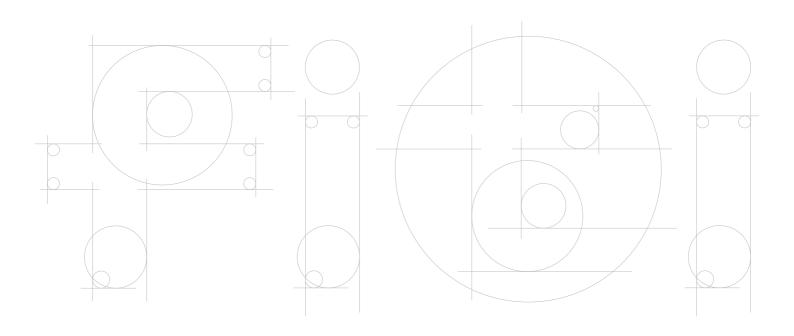
Below are the major points addressed in this program:

- Factory Evaluations
- Child Labor
- Forced and Compulsory Labor
- Health and Safety
- Freedom of Association & Right to Collective Bargaining
- Discrimination
- Disciplinary Practices
- Working Hours
- Remuneration
- Management Systems

Through this program, all interested parties benefit as followed

Benefits To	Benefit Details
Retailers/Brand	Protect reputation More effective risk management Lower complexity and costs
Suppliers	Increased understading of labor standards and other requirements Time and resources to reinvest in production quality Higher productivity from improved working environment
Workers	Increased awareness and understanding of rights Improved working conditions





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