

# Corporate Introduction



**Tti Testing Laboratories**  
**YOUR PARTNER**  
**IN QUALITY ASSURANCE**

Testing | Inspections | Trainings

# Enhancing Quality Through Testing

## Tti Textile Testing International

### Our Story

#### The textile industry of Pakistan

Pakistan is well known worldwide as "the cotton country." Due to the climatic conditions and geographical location, it is one of the richest cotton producing countries of the world.

Textiles is the most promising export industry in Pakistan. The textile industry has grown from almost non-existent at the time Pakistan came into existence, to become its largest and most significant

#### Introduction

Textile testing is the application of engineering knowledge and access to the mass of the properties and characteristics of textiles and the factors affecting them. Different forms of textiles include test fabrics, yarns, fabrics, garments, etc. The evaluation of the properties of the textile involves the use of special instruments, tools and equipment under known conditions. Testing therefore, is a means to an end and not an end in itself.

Testing has an important place in the textile industry since it is not applicable to the analysis of finished fabrics as it is to the raw material. It is necessary to the success of any enterprise that the quality of its products, just as it is to the quality of the textile industry and also to the market mechanism.

#### Importance of Textile Testing

The main form of control in textile industry is through acceptance. A number of tests may be carried out to check the quality of a product. For example, a certain fabric is tested for shrinkage. It is important to know the limit of acceptable

economic sector. Pakistan also specialises in the export of fabrics and garments amounting to about 60% of total exports. Textile products include raw cotton, yarn, grey cloth, dyed, finished, printed

#### How TTI came into existence

By Hamed K. Lateef

Being a part of the manufacturing sector of the textile industry many years ago, I was well versed with the problems

That was the last straw. It was time for the idea I had always had, to come into existence.

#### Services offered

at TTI

Apparel testing  
Fabric testing  
Yarn testing  
Inspection services

Founded and owned by Mr. Hamed K. Lateef, Tti came into inception in 1995 to provide fast, accurate, and cost effective quality assurance solutions for the Global buyers and Pakistani suppliers to bridge the gap between manufacturing and compliance. Tti was the first specialized third party testing and inspection body from the private sector in Pakistan to introduce the concept of independent third party quality verification during all stages of the supply chain for better traceability, reliability, quality compliance and better confidence of the industry.

#### TTI's in-house equipment

just as important as the actual physical tests. It is not enough to measure a single property of a garment, it is also essential to know about other forces or conditions influencing the results. For example, a certain fabric is tested for shrinkage. It is important to know the limit of acceptable

We had to painstakingly down-

testing, the results obtained showed major non-conformance in shrinkage. This showed that results of the fabric tested were incorrect. We were stuck with 42,000 ready garments with excessive shrinkage, which the buyer refused to accept.

We had to painstakingly down-

#### What is TTI

##### The Team

All testing is centralized at our laboratory in Lahore where strict measures are taken to ensure accuracy and integrity of the testing being done. We currently have a staff of 23 persons to serve you.

#### Interpretation of test results

We would like to increase awareness of interpretation of test results. Results can be misleading if interpreted incorrectly. Sometimes the same value can mean two different things in different tests. For example, in the flammability test, a value of 1 (referred to as "class 1") indicates that the sample does not catch fire, while a value of 1 in crocking test indicates that the sample is not very durable resulting in major confusion in the interpretation of their values.

Definitions

average burn time of

burn extinguished.

average burn time

specimens.

#### Flame Resistance Assessment Chart

Rating	Assessment description
1.0	Very severe pilling
4.0	Severe pilling

#### Color Fastness Assessment Chart

Rating	Assessment description
5.0	Neutral or no change
4.0	Slighty change

#### How we uphold consistency

professionals, people have to be flown in for this. We have also implemented an internal check

bill incurred in the courier service and the hassle involved in delivering samples to Lahore and dispatching results to Karachi.

He also takes care of any issues and possible concerns of our clients in Faisalabad.



# Our Business Units

**Tti Testing Laboratories** (formally known as Textile Testing International)

Business Line: Consumer Testing Facility

**Tti Inspections Pvt Ltd**

Business Line: One Site Inspection and Verification Services

**SES (Sustainable Environmental Solutions)**

Business Line: Environmental Monitoring and Consultancy Services

**Fahm-ul-Halal**

Business Line: Halal Development and Compliance Consultancy Services

**Tti Resource Centre/ Tti Training Services**

Business Line: Commercial Trainings Services (Technical & Management Sciences)

# Our Global Recognition and Certifications



- ISO/IEC 17025 Accredited Testing Facility
- ISO/IEC 17020 Accredited Inspection Body
- US CPSC Accredited Conformity Assessment Body
- EPA Certified Laboratory
- PSQCA Approved Inspection Agency
- OGRA Approved Testing Lab
- Pakistan Scientific Laboratory Association Approved
- Regular Participant (Global PTP Programs ASTM/AATCC/IIS)

# Our Achievements



- National Award of “Top 100 Performing Companies of Pakistan” in 2018,
- Largest ISO/IEC 17025 Accredited Testing Scope in Pakistan.
- First Inspection Body in Pakistan to get ISO/IEC 17020 Accredited Inspection for Textile & Apparel Inspections.
- First US CPSC Accredited Testing Facility for Lead Testing in 2009
- First US CPSC Accredited Testing facility for Flammability testing in 2010
- The Only EPA Certified and ISO/IEC 17025 Accredited Laboratory with the largest EPA Approved scope for Environmental Testing.
- Largest Scope for Energy and Non-Energy Petroleum Testing approved by OGRA Pakistan.
- Tti is the Founder and Corporate Secretariat of Pakistan Scientific Laboratory Association.
- The only Privately held testing facility of Pakistan which own its Testing facility and Majority of its Branch Offices.
- First and till date the only testing facility cum Liaison office in Leather/PPE/Sportsgoods Hub of Sialkot.
- First Testing Facility from Pakistan to Exhibit at APLF-Hong Kong in 2017.
- First and the Only testing Lab of Pakistan to organize and sponcer the first Lab Show PAKLAB 2018

# OUR SERVICES

- Textiles & Apparel Testing
- Gloves, Leather & Footwear Testing
- PPE- Personal Protective Equipment Testing
- Environmental Testing & Consultancy Services
- RSL- Restricted Chemicals / REACH/ OEKOTEX/CPSIA / CA Prop 65 Testing

- ZDHC / LWG Compliance
- Paints & Coatings Testing
- Food & Pharmaceutical Testing
- Fuel, Oils & Lubricant Testing
- Inspections, Factory Audits
- Training Services



**Tti Testing Laboratories**  
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**IN QUALITY ASSURANCE**



# Overview of Technical Scope



- Largest ISO/IEC 17025 Accredited Testing scope in Pakistan
- 127 Accredited Tests and 188 accredited test methods





# SECTOR WE SERVE:



LEATHER



POWER GENERATION



FOOD PROCESSING



OIL & GAS



CHEMICAL  
MANUFACTURING



CEMENT



TEXTILE & APPAREL



ENGINEERING



CONSTRUCTION  
/ HOUSING



SUGAR

# Global Test Reports Acceptability



ISO/IEC 17025 Accreditation Is The Highest Level Of External Verification A Testing Lab Can Achieve.

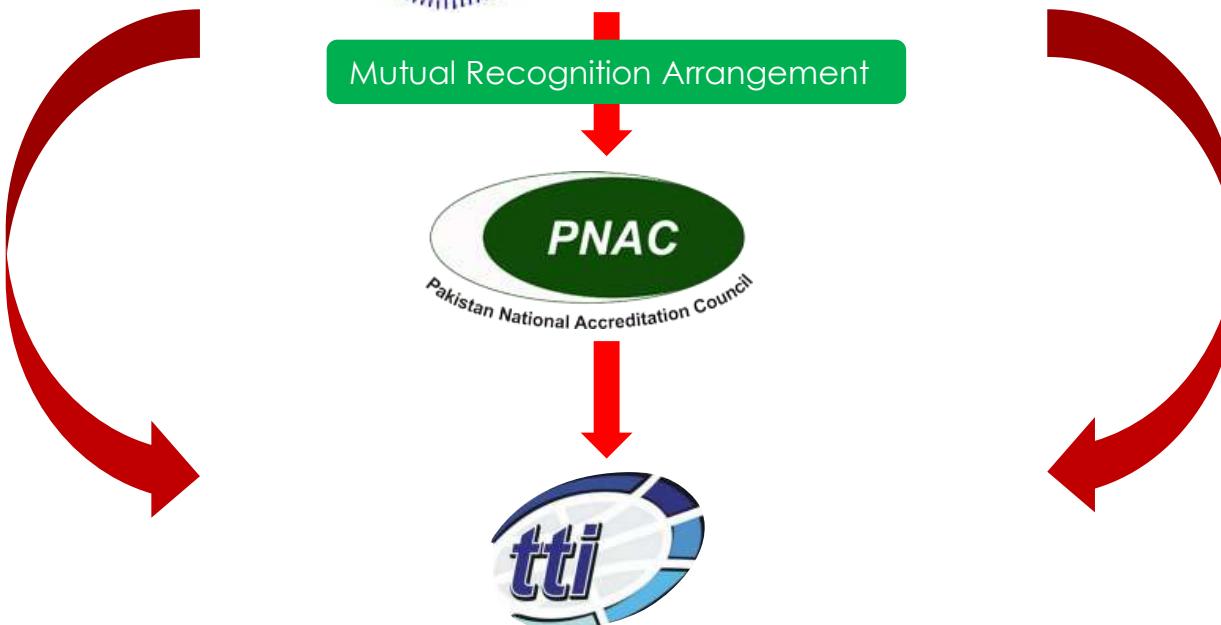
Test Reports of an ISO/IEC 17025 Accredited Lab are technically acceptable around the world.

International Laboratory Accreditation Cooperation



Asia Pacific Accreditation Cooperation (APAC)

Mutual Recognition Arrangement



# Most Modern Lab IT Infrastructure



- **Tti LIMS**-Lab Information Management System
  - Personalized and Integrated ERP with:
    - Technical Governance Monitoring / Workload Management
    - Internal Department-wise Real time Dashboards
    - Client Portal and Real Time Dashboard with Online Reporting Access
- **Tti CRM**- Customer Relationship Management System
  - Integrated Live Quotation Cell
  - Online Technical Support on Testing and Standards
  - Sales Force Management

# Country Wide Network



## LAHORE

📍 Head Office: 347-S, Quaid-e-Azam Industrial Estate, Kot Lakhpat, Lahore-54770

## KARACHI

📍 Office: 3rd Floor, Plot No 7c, Sunset Commercial St. No 1, Phase 4 DHA, Karachi-75500

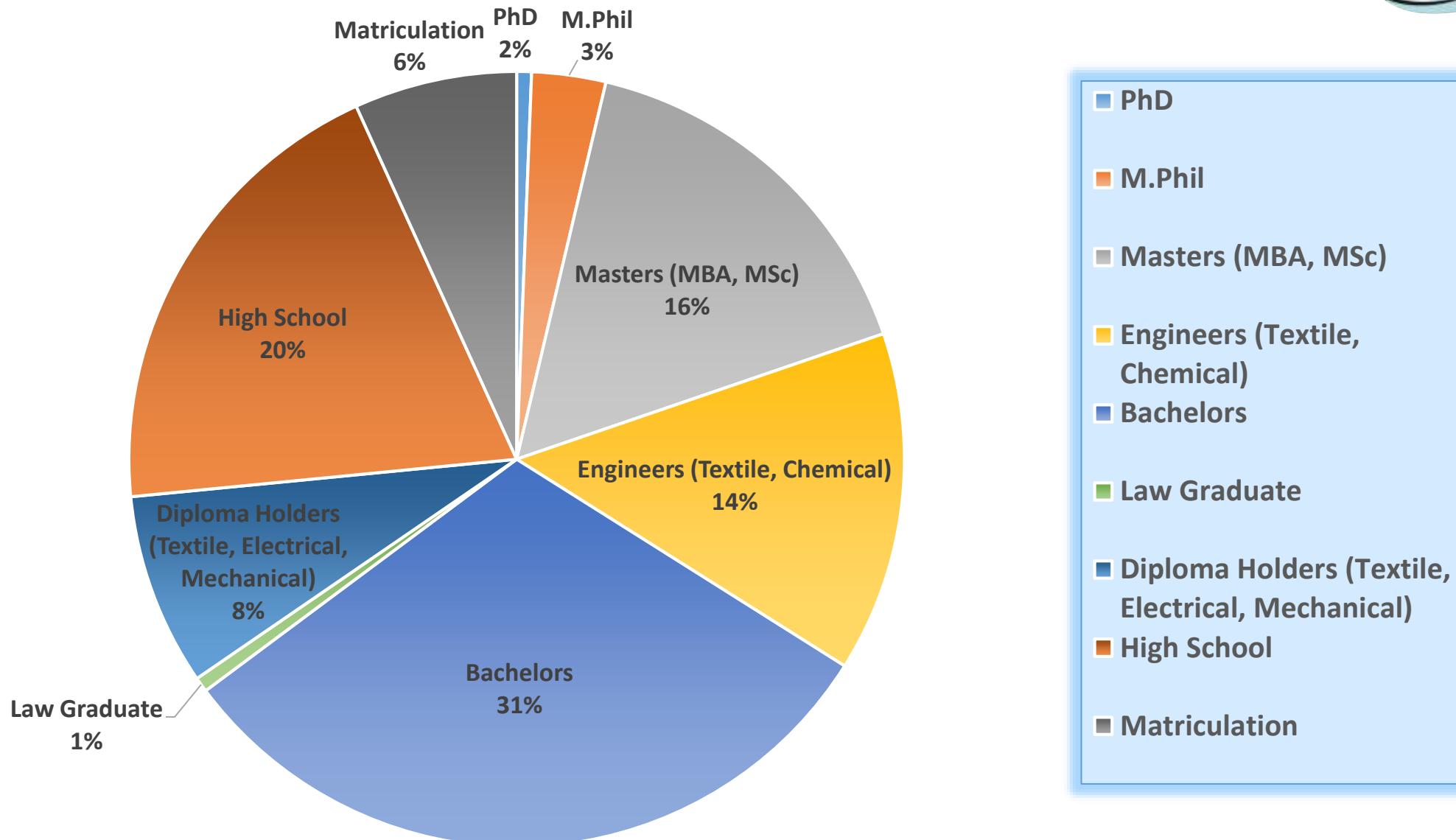
## FAISALABAD

📍 Office # 145 1st Floor Centre Point Plaza, Jaranwala Rd, Faisalabad, Punjab

## SIALKOT

📍 Opposite Mag Town Masjid, Kashmir Road, Sialkot Pakistan

# Our People (200 + Employees)



# Our People





# Our People



# More than just a Laboratory!



## Society

HAVE YOU TESTED

WORLD

Personal Professional Training Partnership with 7 Universities

Pure Air is a right of every  
Pakistani!

2019

Punjab Government Ambient Air Monitoring Volunteer

Health & Safety Training Partner, Punjab Food Authority

Hamed Lateef Scholarship Programs @ UMT and PU

Environmental Protection Partner- Industrial Estates QIE/SIE

Contact our Environmental Testing Division

environment@ttilabs.net

www.ttilabs.net

111 786 001



tti  
TII Testing Laboratories  
ISO/IEC 17025 Accredited Testing Laboratory  
ISO/IEC 17020 Accredited Inspection Body  
ISO/IEC 17065 Accredited Certification Body  
CPSC Accredited Testing Laboratory  
CPA Certified Testing Laboratory



BRIGHT FUTURE  
BEGINS WITH  
CLEAN WATER!  
www.ttilabs.net

## Industry

"Role of Testing in Business  
Development, Market Access and  
Reduction in Technical Barriers to  
Technical Trainings & Capacity Development

Reduction in Technical Trade Barriers

Reduction of Wastages and Cost Optimization

Supply Chain Optimization and Risk Assessment

Regulatory Compliance and Export Facilitation

Research and Development

