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**Technical
Textiles
Innovation**



Seminar on

FUTURE TRENDS IN TECHNICAL TEXTILES

Saturday, 22nd August 2026

Hotel Fortune Park Galaxy

Daffodil Hall, GIDC, N.H.No.08, Vapi - 396 195 (Gujarat)

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Organised by



MUMBAI UNIT

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Mumbai Unit

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FUTURE TRENDS IN TECHNICAL TEXTILES

The textile industry is a major contributor to India's economy, employment, and exports. During the COVID-19 pandemic, the sector demonstrated resilience by shifting towards medical textiles and expanding export opportunities. Government initiatives such as TUFS, PLI Scheme, PM MITRA Parks, ATUFS, and the National Technical Textiles Mission (NTTM) have encouraged modernization, investments, MSME growth, and the "Make in India" vision.

India's textile and apparel sector contributes significantly to GDP, industrial production, and exports, while directly employing over 45 million people. The industry is expected to grow to US\$350 billion by 2030, creating nearly 3.5 crore jobs. Within this, technical textiles have emerged as a key growth driver due to their high-performance and functional applications across healthcare, defence, automotive, construction, agriculture, sports, infrastructure, and environmental sectors.

Technical textiles are specialized fabrics designed for performance and functionality rather than aesthetics. They are used in products such as medical equipment, safety gear, automotive components, geotextiles, protective clothing, and industrial materials. India's technical textile market has shown rapid growth, supported by rising domestic demand, exports, and policy support. The sector is witnessing increasing adoption of smart textiles, specialty fibres, advanced composites, and sustainable materials.

Despite strong growth potential, challenges remain, including dependence on imported specialty fibres and machinery, inadequate R&D infrastructure, skill gaps, and limited awareness in advanced applications. To become globally competitive, India must focus on indigenous manufacturing of machinery and raw materials, technology adoption, innovation, sustainability, quality compliance, and skilled manpower development.

The future of technical textiles in India lies in embracing innovative technologies across weaving, knitting, processing, and finishing to enhance productivity, product diversification, environmental compliance, and cost competitiveness. With continued government support and industry investment, India has the potential to become a major global hub for technical textiles and high-value textile products.

TAI, Mumbai Unit Seminar

The Textile Association (India), Mumbai Unit regularly organizes seminars on contemporary and innovative topics featuring eminent industry experts. Continuing this tradition, the Unit will host a seminar on "Future Trends in Technical Textiles" on 22nd August 2026 at Vapi for the benefit of textile technologists and technicians from the region. The seminar will feature expert speakers from across India and is expected to attract over 200 industry professionals. Key discussions will cover Government of India and Gujarat State incentive schemes for the textile sector, along with a panel discussion on opportunities, challenges, and strategies to strengthen India's position as an emerging global manufacturing hub.

An Appeal

The success of our seminar depends on the generous support of our sponsors. We value your continued association with TAI Mumbai Unit and invite you to support this event through sponsorships, advertisements, and delegate participation. This seminar offers an excellent platform to showcase your products and connect with experts from the textile trade and industry while exchanging insights on the latest developments in technical textiles and related fields.

We look forward to your support in making this seminar a grand success.

Haresh B. Parekh
Convenor

Dr. G. V. Aras
Seminar Advisor

Prashant Mangukia
Jt. Convenor

Topics to be Covered

- Technical Textiles – Growth Potential and Prospects in India
- Technical Textiles: Emerging Growth & Opportunities
- Geotextiles / Agrotextiles
- Protective clothing
- Sports Textiles / Construction Textiles
- Medical textiles
- Latest trend in Weaving Preparatory M/C for the Technical Textile
- Composites
- Smart Textiles
- Govt. Policies & Strategies for Technical Textiles

Panel Discussion

"Future of Technical Textiles: Innovation, Sustainability & Market Readiness"

This panel discussion will bring together industry leaders and experts to discuss the future of technical textiles through the lens of innovation, sustainability, and market growth. The Panel will cover emerging technologies, sustainable and circular manufacturing practices, market opportunities, scalability challenges, and the role of industry-academia collaboration in building future-ready talent.

The session will highlight the evolving applications of technical textiles across healthcare, mobility, infrastructure, agriculture, and protective sectors, offering valuable insights for manufacturers, researchers, startups, investors, and policymakers.

The panel will feature distinguished experts from industry, research, sustainability, innovation, and market development domains.