INDIAN TECHNICAL TEXTILE ASSOCIATION

E-BULLETIN

e-magazine for members

Issue No.95 May-June 2025

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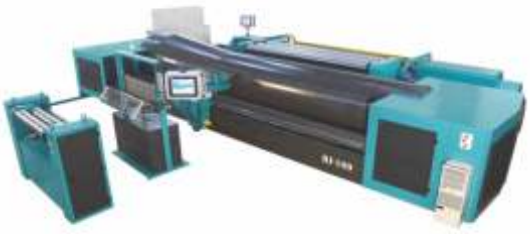

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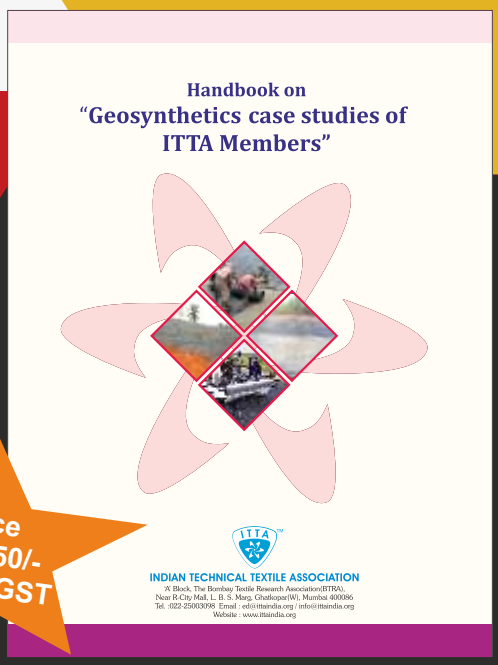

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INDIAN TECHNICAL TEXTILE ASSOCIATION,
314, 3rd Floor, MIDAS, SAHAR PLAZA, Andheri-Kurla Road, J.B. Nagar, Andheri-East, Mumbai - 400059
Tel: +22 49635711, Mob: +91 9769464616; Email: info@ittaindia.org;

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Registered Office :

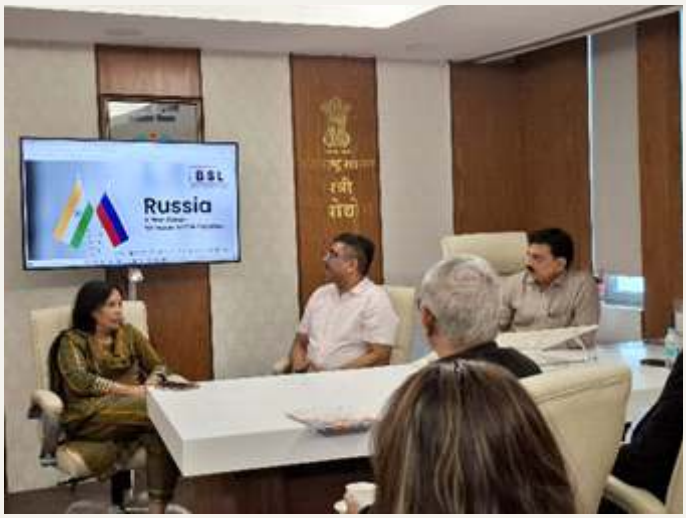
314, 3rd Floor, MIDAS,
SAHAR PLAZA, Andheri-Kurla Road,
J.B. Nagar, Andheri-East,
Mumbai - 400059.
Tel: 022-49635711; Mob: 9769464616
Email: ed@ittaindia.org

Regional Offices :

Delhi :
D-114, Himalaya House,
23-Kasturba Gandhi Marg,
Connaught Place, New Delhi-110001;
Tel: 011-41718232

Coimbatore :
SIMA, "Shanmukha Manram",
41 Race Course, Coimbatore - 641018
Tel: 0422 4225333

Maharashtra Roadshow 2025 - Bridging Maharashtra with the World



The Maharashtra Roadshow 2025, themed 'Bridging Maharashtra with the World (Lifestyle-Textile-Apparel), successfully brought together key stakeholders from the Textile sector including Technical Textiles, Government representatives, and Industry leaders on 21st May 2025 at Mantralaya, Mumbai. The event was designed to foster global partnerships, promote trade development, and facilitate technology transfer within Maharashtra's dynamic textile ecosystem. It was graced by the presence of Shri. Sanjay Savkare, Hon'ble Minister of Textiles, Government of Maharashtra, as the Chief Guest. The Guests of Honor included Smt. Anshu Sinha, IAS, Principal Secretary (Textiles), Government of Maharashtra, and Shri. Sanjay Daine, IAS, Commissioner (Textiles), Government of Maharashtra. The event also witnessed active participation from leading textile industry, mills, manufacturers, government officials, international trade federations, and members of the Indian Technical Textile Association (ITTA) from Technical Textile industry.

Shri Sanjay Savkare, Hon'ble Minister of Textiles, highlighted Maharashtra's proactive role in driving the growth of the textile sector, with a strong emphasis on technical textiles as a key engine of growth. His address focused on the Integrated and Sustainable Textile Policy 2023–2028, which aims to position Maharashtra as a global textile powerhouse. He underscored the importance of technical textiles in enhancing industrial competitiveness, fostering innovation, and boosting exports. The Minister reiterated the government's commitment to creating a conducive ecosystem for the development of this segment. The policy emphasizes sustainability through the 3R model (Reduce, Reuse, Recycle), promotes skill development, and provides special incentives for women's empowerment. It also encourages innovation, production, and widespread adoption of technical textiles across diverse sectors.

During the Roadshow, officials from the Indian Technical Textile Association (ITTA), including Shri Avinash Misar, Chairman, and Dr. Anup Rakshit, Executive Director, engaged in an in-depth discussion with the Hon'ble Textile Minister, highlighting ITTA's sustained contributions to Maharashtra's textile sector. They emphasized ITTA's contributions since 2018, which include active involvement in the National Technical Textiles Mission, robust policy advocacy, execution of R&D projects, participation in over 30 technical committees, and efforts toward the classification and development of HSN codes for technical textiles. Additionally, ITTA has developed specialized training programs for industry professionals, faculty, and students across various technical textile segments such as Protech, Meditech, Indutech, Geotech, and others.

Shri Avinash Misar remarked, “We can disseminate knowledge extensively, including through digital platforms. ITTA serves as a key technical repository of knowledge across India, providing critical inputs to projects like Amaravati and supporting both policy formulation and implementation.” This collaboration

underscores ITTA's vital role in strengthening Maharashtra's technical capabilities and fostering sectoral growth through innovation, research, and skill development.

The Roadshow served as a precursor to two major upcoming international initiatives:

- Indo-Russia Synergy Tour (June 2025): Aimed at enhancing trade, investment, and technology transfer between the Indian and Russian textile industries, the tour will include industry visits, networking sessions, and MoU signings to establish long-term collaboration.

- Global Outreach Summit 2025 (July 2025, New Delhi): This summit will bring together global and Indian brand leaders, sourcing heads, and policymakers for networking, knowledge exchange, and recognition through the BSL Excellence Awards.

Key Outcomes of the Roadshow:

- Strengthened Public-Private Partnerships: The event facilitated meaningful dialogue between government officials and industry leaders, laying the foundation for new collaborations and investment opportunities.

- Emphasis on Sustainability: The policy's focus on green production and the circular economy was well received. Stakeholders were encouraged to leverage new incentives to drive sustainable and responsible growth.

- Global Positioning of Maharashtra's Textile Sector: Initiatives such as the upcoming Indo-Russia Synergy Tour and Global Outreach Summit were highlighted as key platforms to promote international collaboration, facilitate technology transfer, and expand trade development.

ITTA SIGNED MOU WITH ASSOCIATION OF ITALIAN TEXTILE MACHINERY MANUFACTURERS (ACIMIT)

Association of Italian Textile Machinery Manufacturers (ACIMIT) is a private national body that groups most of the Italian textile machinery companies. The main purpose consists in promoting the Italian textile machinery sector and in supporting its activity, mainly organizing exhibitions, technical seminars, missions in Italy and abroad, etc., mostly in collaboration with Italian Trade Agency.

The objective of MOU is:

1. To jointly organize Webinars & Physical events/ exhibitions to promote the technical textiles machinery manufactured in Italy to Indian Market and help producing quality technical textile products through their technologies.

2. To find suitable partners for Italian companies depending on interest of specific member company of ACIMIT to have Joint Ventures to manufacture technical textiles machinery in India, since there are not many such manufacturers in India.

ITTA Delegation Met Smt. Anshu Sinha, IAS, Principal Secretary, (Textiles), Govt. of Maharashtra

Earlier this year, during the Bharat Tex 2025 event, ITTA signed an MoU with the Government of Maharashtra to support the implementation and promotion of the State's Textile Policy, which places strong emphasis on the growth of Technical Textiles. Key focus areas under the policy include the development of Textile and Technical Textile Parks, the launch of the Maharashtra Technical Textile Mission (MTTM), and initiatives for skill development. ITTA has extended its full support towards the effective implementation of these policy frameworks.

In this context, a meeting was held on 9th June 2025 with Smt. Anshu Sinha, IAS, Principal Secretary (Textiles), Government of Maharashtra, and Shri. Avinash Misar, Chairman, along with Dr. Anup Rakshit, Executive Director, ITTA, at her office in Mumbai. Shri. Shrikrishna Pawar, Deputy Secretary (Textiles), Government of Maharashtra, was also present.

Shri Avinash Misar highlighted the importance of engaging key stakeholders including industry leaders, investors, and academia to foster a robust ecosystem and attract investments in the emerging Technical Textile sector. As one of the country's leading industrial states with a strong foundation in textiles, engineering, and infrastructure, Maharashtra is uniquely positioned to become a hub for Technical Textiles. He emphasized the urgent need to raise awareness among stakeholders including industry players, investors, academic institutions, and government departments about the wide-ranging applications and economic potential of Technical Textiles. He also noted that ITTA can support the Government in identifying and exploring potential locations for investment in Technical Textiles across Maharashtra.

Dr. Anup Rakshit emphasized that ITTA, representing over 400 member organizations across diverse segments of Technical Textiles, is well-positioned to support the Government of Maharashtra in developing a strategic roadmap for sectoral growth, capacity building, and collaborative initiatives.

DILO INDIA PVT. LTD.

Dilo Systems GmbH and Kansan Group Partnership Announcement

Dilo Systems GmbH, a Germany-based manufacturer specializing in complete nonwoven lines, and Kansan Group, a Turkish manufacturer specializing in nonwoven converting lines, end-of-line solutions, and Wetlaid Nonwoven machinery, have signed a strategic partnership agreement to supply custom nonwoven lines. As part of this partnership, comprehensive solutions will be offered by integrating fiber preparation and carding equipment, wetlaid, hydroentanglement and needling lines, as well as converting and end-of-line equipment. Engineering work will be carried out by Dilo Systems GmbH as the main contractor.

This collaboration primarily focuses on specialized nonwoven markets, particularly for hygiene, medical, and technical applications. The production of specialized nonwovens consisting of short and long staple fiber layers is the goal. These nonwovens are typically made from cellulose pulp and carded materials. In hygiene and medical applications, short-cut cellulose materials play a critical role in absorbing and retaining liquids. When the fiber length drops below 12 mm, the faster flushability of cellulose material offers a significant advantage in terms of waste management.

Kansan Materials has successfully established a production line capable of processing hybrid raw materials developed based on the latest hydrodynamic simulation calculations. This line is equipped with advanced software technologies that assist operators in managing production processes in a fully automated, computer-supported mode.

As the main contractor, Dilo Systems GmbH aims to enhance the efficiency of nonwoven production for the hygiene and medical sectors by integrating Kansan's wet wipe converting lines and end-of-line equipment. In this scope, the integration of materials produced with Dilo's “CycloPunch” and “MicroPunch” needling machines into Kansan's wet wipe converting lines is planned. Kansan is a strong partner in this field, with its expertise and leading position in the industry.

This joint development process and marketing efforts lay an excellent foundation for offering complete lines that can produce carded and needle-punched, carded and hydroentangled, carded and wetlaid nonwovens, as well as combinations of these techniques.

With a vision of offering innovative and sustainable solutions in the nonwoven sector, this partnership aims to increase production efficiency while minimizing environmental impact. Dilo Systems GmbH and Kansan's technical expertise provides faster, cost-effective production processes tailored to customer needs. Furthermore, solutions have been developed in line with sustainability goals, such as energy efficiency and the use of recyclable materials. This collaboration is designed to create new opportunities in global markets, particularly in the hygiene, medical, and technical sectors, while expanding our reach to a broader customer base.

KTEX NONWOVENS PVT. LTD.

KTEX Nonwovens among few nonwoven fabric manufacturers to introduce Circularity in Textiles

India-based KTEX Nonwovens is among the few nonwoven fabric manufacturers that have introduced the concept of circularity in textiles as part of their sustainability initiatives. The company has installed a regranulation machine at its plant to support this effort.

The nonwoven fabric waste generated during slitting is processed into granules using the regranulation machine. These recycled granules are then reintegrated into the production process as raw material. This approach significantly reduces waste by reusing the slit portion of the fabric, which would otherwise be discarded. It helps minimize landfill contribution and supports a more circular and responsible manufacturing approach.

“Due to our new state-of-the-art production line, it is also possible for us to downgauge the GSM of a fabric,” said Mr. Nikhil Vaswani, Global Sales & Marketing Head at KTEX Nonwovens. “For example, if a customer is currently using 9 or10 GSM fabric for converting, we can offer the same tensile strength and technical parameters in a 7 GSM fabric. This

translates into significant savings for converters and makes the product more sustainable, as less raw material is used during production. This has been made possible due to our new six-beam production line."

Over the last six years, the company has grown its capacity by 600% by adding two additional production lines - both from Reifenhauser. One of these is a bi-component SMS line, and the other is a six-beam SSMMMS line with a width of 4.2 meters. "With the addition of these two lines, our monthly capacity has increased to around 2,800 tons, making us one of the fastest-growing nonwoven fabric manufacturers in India and the second-largest player in the hygiene nonwoven fabrics segment," Mr. Vaswani added.

The bi-component line allows KTEX to blend various polymers, such as polypropylene and polyethylene, into a single fabric. "Bi-component nonwovens are especially suited for applications requiring softness and comfort, such as premium diapers. These fabrics offer a cotton feel and better breathability. KTEX also operates a 3D carding machine that produces fabrics with a bulky, bubble-wrap-like texture, further enhancing softness and comfort. "These features also contribute to superior odour control and breathability," he informed.

Bombay Textile Research Association (BTRA)

Success Story: MOT-Sponsored Project - Atmospheric Pressure Plasma Treatment for Enhancing the Conducting Properties of Textiles Doped with Intrinsically Conductive Polymers

The Bombay Textile Research Association (BTRA) has been at the forefront of developing conductive textiles and their applications for several years. With two granted patents and multiple peer-reviewed international publications in this domain, BTRA has established itself as a leader in textile innovation.

In April 2016, under the R&D scheme of the Ministry of Textiles, BTRA initiated a project titled "Atmospheric Pressure Plasma Treatment for Enhancing the Conducting Properties of Textiles Doped with Intrinsically Conductive Polymers" under the leadership of Smita Deogaonkar-Baride. The project focused on developing electrically conductive fabrics using polyester, cotton, nylon, and polyester-cotton blends. This was achieved by employing plasma pre-treatment followed by oxidative in-situ chemical polymerization of intrinsically conductive polymers.

A key breakthrough was the development of a plasma-assisted polymerization technique that enabled the production of flexible conductive fabrics with significantly enhanced conductivity, abrasion resistance, and resistance to atmospheric degradation. The plasma treatment increased the fabric's surface wettability and introduced oxygen-containing functional groups, leading to improved adhesion of conductive polymers, increased conductivity, and enhanced durability against atmospheric ageing.

The resulting fabrics exhibited tuneable conductivity, with surface resistivity ranging from 50 to 1×10^5 ohms/sq. This broad range opens up a wide array of high-impact technical applications. These include anti-static fabric integration, targeted heat generation, wearable electronics, and moderate electromagnetic interference (EMI) shielding providing a versatile and often superior alternative to traditional metal-based textiles.

From Lab to Loom: BTRA's Innovation Powers a New Era at Aditya Birla in Technical Textiles

A significant milestone was achieved with the successful technology transfer of BTRA's patented conductive fabric manufacturing process to Aditya Birla Science and Technology Company Pvt. Ltd. (ABSTCPL). A formal collaboration agreement was signed on January 22, 2024, leading to a remarkable breakthrough by September 18, 2024.

Recognizing the industry's need for cost-effective and scalable methods to produce high-performance conductive yarns, ABSTCPL partnered with BTRA to adapt the technology for use on standard package dyeing equipment. This enabled efficient production of conductive yarns using viscose and polyester spun fibers.

More than just a transfer of technology, this partnership marks a significant advancement in India's indigenous innovation capabilities. BTRA's scalable and sustainable solution equips ABSTCPL

with a competitive edge in technical textiles, unlocking vast opportunities across multiple industries. This collaboration exemplifies how homegrown research can catalyze industrial transformation, reinforcing India's position as a global leader in textile innovation.

Through the networking of Indian Technical Textile Association (ITTA), this work can be further extended to other technical textile manufacturers as needed.

TWE OBT PVT. LTD.

Madhya Pradesh's First Meditech Textile Unit Takes Shape in Bhopal

Madhya Pradesh Chief Minister Dr. Mohan Yadav announced significant progress in the construction of Madhya Pradesh's first high-tech Meditech textile unit at Acharpura Industrial Area, Bhopal. He described it as a landmark development, showcasing the state's growing appeal as a destination for specialised, technology-driven industries.

The ₹160 crore project is a joint venture between Germany's TWE Group and India's OBT Group, forming TWE OBT Pvt. Ltd. The facility will manufacture advanced textile components such as ADL, top sheets, and back sheets - key elements in hygiene products for women and children. These components have traditionally been imported, and the new plant is set to enhance India's self-reliance in this critical sector.

This will be the first unit of its kind in India and is expected to provide direct employment to over 200 people in its first phase, with scope for expansion. Dr. Yadav noted that the project reflects investor confidence in Madhya Pradesh's fast, transparent industrial ecosystem. There is a special emphasis is being placed on green construction norms, with the facility designed to operate without boilers or pollution, aligning with Swachh Bharat and Aatmanirbhar Bharat missions.

The state is also integrating this project with initiatives like ODOP, PM MITRA Parks, and the Cluster Policy to maximise regional development. “This isn't just an investment,” Dr. Yadav concluded. “It is a signal of the future where Madhya Pradesh becomes a global hub for innovation, Meditech, and employment.”

SYSTEM 5S PVT. LTD.

NTTM in association with SYSTEM 5S developing an innovative Firefighting Suit

The National Technical Textile Mission (NTTM), an initiative by the Ministry of Textiles, Government of India, has supported an innovative project titled “Development of Specialized Firefighting Suit.” These specialized fire fighter suits are used by Firefighting & Emergency services, Defence forces, Oil & Gas industry, Aerospace & Aviation, Power Plants & Thermal Industry, etc. Manufacturing of firefighting suits in India is in its nascent stage and currently, in India, specialized firefighting suits (also known as fire entry suits) are imported mostly from Europe, the USA, and China. The NTTM project is implemented by Northern India Textile Research Association (NITRA), in collaboration with its industrial partner, M/s System 5S Private Ltd.

The annual current consumption would be approximately 1000 sets by various End Users in India. However, with the introduction of an Indian Certified Aluminized suit, the consumption could go up exponentially. M/s SYSTEM 5S Pvt. Ltd has an annual production capacity of 1000 suits with this commercialisation. According to EN 1486 (a European Standard that specifies the requirements and test methods for protective clothing for fire fighters), protective clothing for specialized firefighting must protect the full body, including the head, hands, and feet, against radiant heat and flame impingement. This protective gear includes a garment, a hood (integrated or separate), gloves, and over boots. Additionally, the design of such suits is intended for use with respiratory protection, with designs varying on whether the breathing apparatus is worn inside or outside the protective clothing.

M/s System 5S Private Ltd, has developed an indigenous Specialized Fire Fighting Suit, designed to meet the EN 1486 or ISO 15538 standards. The development process prioritised the safety, comfort, and ease of donning and doffing for fire fighters. The suit is developed using aluminised coated glass fabrics, OPAN (Oxidized Polyacrylonitrile) Nonwoven battings and FR (Flame Resistant) viscose fabric. All the inner layers are quilted together. The industrial partner has already begun manufacturing these suits for trial purposes, and commercial manufacturing will commence once the fire manikin test is completed successfully, as per the EN ISO 13506 (a standard that defines a test method for evaluating the performance of protective clothing against heat and flame) standard, to ensure the suit meets all necessary performance requirements.

1. ENGAGEMENTS WITH CENTRAL & STATE GOVERNMENTS

1.1. First Meeting of Sub-Committee on Research and Development of Technical Textiles under NTTM

The 1st meeting of the sub-committee on Research and Development of Technical Textiles for suggestion on way forward under NTTM was held on 13.05.2025 through video conferencing under the Chairmanship of Dr. Renu Swarup, Former Secretary, Department of Biotechnology (DBT), Ministry of Science and Technology. Dr. Anup Rakshit, ED, ITTA, as a member of sub-committee, attended the meeting.

Key discussion points are given below -

1. Shift toward a product-driven approach, identification of priority sectors (Defense, Space, Construction, Energy, Med-tech, and Agri-tech) in R&D development.

2. Comprehensive mapping of technologies, IP, and market readiness.

3. Suggested the exploration of innovative financing models such as viability gap funding etc.

4. Need for capacity building through translational clusters and improving processes to ease scientific and business operations.

5. The Chair recommended establishing four subgroups to develop comprehensive inputs on assigned focus areas -

   a) Ease of Doing Science and Capacity Building - Coordinated by Dr. TV Sreekumar, with the incorporation of suggestions from TRA.

   b) Landscaping and Mapping of Existing NTTM Activities - Led by JMD.

   c) Comprehensive Sector Mapping and Landscaping - Covering centers of excellence, pilot manufacturing, IP, technology, research, critical components, and market analysis, Led by Dr. J.K. Sharma and input to be providing Dr. Preeti Banzal, Dr. Mohit Raina and Ms. Archana Vyas.

   d) Market Potential and Financing Models - Led by Dr. Mohit Raina.

2. EVENTS SUPPORTED & CONTRIBUTED BY ITTA

1.1. Gartex Texprocess 2025 held in Mumbai

The Mumbai edition of Gartex Texprocess India was held from May 22 to 24, 2025, at the Jio World Convention Centre, Mumbai. The event was organized by Messe Frankfurt Trade Fairs India Pvt. Ltd. and MEX Exhibitions Pvt. Ltd. The event served as a comprehensive platform for the garment and textile manufacturing industry, showcasing innovations, technologies, and sustainable practices. On May 22, 2025, the Govt of Uttar Pradesh organised a Panel discussion Session on the Investment Opportunities in Textiles, Apparels and Technical Textiles sectors.

With over 125 exhibitors from India, China, Italy, Japan, Korea, Singapore and Taiwan participated in Gartex Texprocess. The show features strong international participation and highlights from India's growing role in the global textiles industry. The inaugural ceremony was graced by distinguished dignitaries which included: Chief Guest: Shri. Sanjay Savkare, Hon'ble Minister of Textiles, Govt. of Maharashtra; Shri. Shashank Chaudhary, IAS, Additional CEO, Invest UP; Shri. Steven Fang, Chairman, Taiwan Sewing Machinery Association; Shri. Elgar Straub, Managing Director, VDMA Textile Care, Fabric & Leather Technologies; Shri. Sharad Jaipuria, President, Denim Manufacturers Association & CMD, Ginni International Ltd.; Shri. Simon Lee, MD, Hyosung Group (India); Shri. Aamir Akhtar, Group President & CEO - Textiles, Jindal Worldwide Ltd.; Shri. Arvind Mathur, VP, Denim Manufacturers Association & CEO, Raymond UCO Pvt. Ltd.; Shri. Gaurav Juneja, Director, MEX Exhibitions Pvt. Ltd.; Shri. Raj Manek, Executive Director & Board Member, Messe Frankfurt Asia Holdings Ltd.; Shri. Gagandeep Singh, Secretary General, Denim Manufacturers Association; Shri. Winston Pereira, Executive Director, Messe Frankfurt Trade Fairs India Pvt. Ltd.

Highlights of the Uttar Pradesh Session:

Theme - Investment Opportunities in Textile and Apparel sector in Uttar Pradesh was organised on May 22, 2025.

The Panel Discussion on "Textile & Apparel in Uttar Pradesh - Market Size, Trends & Investment Potential" with a special emphasis on Technical Textiles, was moderated by Dr. Anup Rakshit, Indian Technical Textile Association (ITTA). The eminent Panelists were Shri. Avinash Mishra, CEO, Khosla High Performance Textile Pvt. Ltd. & Chairman, ITTA; Shri. Atul Aggarwal, Managing Director, Vrijesh Natural Fibre & Fabrics India Pvt. Ltd.; and Shri. Satendra Singh, Start-up Founder of Indigotex Pvt Ltd.

The context setting of the session was done by Dr. Rakshit, who spoke about the current industry

status and market growth potential of technical textiles and apparel industries. The current market size of technical textiles is about US$ 23 Billion with a CAGR of 10-12 % and expected to reach about US$ 40 Billion by 2030. The apparel industry also will also experience higher growth both in domestic and export markets due to current geo-political situation. Dr. Rakshit also provided an overview of several government initiatives, including: (a) PM MITRA Park Scheme (b) PLI scheme, (c) The National Technical Textiles Mission (NTTM) with a budget outlay of ₹1,480 crore till 2026 and other schemes by many other State Govts to boost the technical textiles sector in India, this mission is set to run from 2020-21 to 2025-26 with an outlay of ₹1,480 crore.

The next set of key insights was shared by Shri. Avinash Misar, Chairman of ITTA, who drew from his extensive experience in both the apparel and technical textile industries. He emphasized the critical need to create a supportive ecosystem in

Uttar Pradesh. This includes the development of textile parks, the provision of modern infrastructure, and the adoption of advanced technologies. He also underlined the importance of implementing targeted skill development programs to equip the workforce with the necessary expertise in areas such as quality control, design, and management - skills essential to meet the evolving demands of the apparel sector.

Shri. Atul Aggarwal further contributed to the discussion by highlighting the growing demand for synthetic fibres over natural ones, due to their superior versatility, durability, and cost-effectiveness. He also emphasized on setting up of his company's garment & apparel manufacturing units. He also pointed to the rising trends in both the home textiles and fashion markets that are driving this demand. At the same time, he acknowledged challenges such as the availability of raw materials and rising production costs, while stressing the role of innovation in enhancing fabric functionality and versatility.

Shri. Satendra Singh, brought valuable insights to the discussion by focusing on the rising demand for high-performance cold weather clothing in both domestic and international markets. He highlighted the growing need for such specialized garments, especially in India's hilly regions, where extreme temperatures require advanced thermal wear. He also touched upon the recent India - UK Free Trade Agreement (FTA), which has become a significant point of discussion in recent days. The agreement opens up new export opportunities for Indian textile manufacturers, particularly in the technical and performance wear segments. With the UK market showing increasing demand for functional, affordable, and climate-specific clothing, Uttar Pradesh could strategically position itself to capitalize on this shift.

Towards the end of the session, the Mentor asked the panelists - "What are the top three recommendations that you would suggest to drive significant growth in the textile industry in Uttar Pradesh?":- Key recommendations were -

a) Focus on setting-up Garmenting units (regular & Technical Textiles) with attractive financials supports.

b) Garmenting needs skilled work force- so skill development program can be launched at various levels with suitable incentives.

c) Processing fabrics of both types- regular & technical textiles.

In his concluding remarks, Dr. Rakshit stated that Uttar Pradesh is well-positioned to become a textile hub, with proposed investments expected to reach Rs. 10,000 crores and the potential to generate employment for 5 lakh people. He encouraged investors to capitalize on the state's advantages, including a skilled workforce, business-friendly policies. with more emphasis on technical textiles.

INDIAN TECHNICAL TEXTILE ASSOCIATION

The Textile Institute

ITTA SIGNED MOU WITH THE TEXTILE INSTITUTE (TI)

Textile Institute (TI) is a unique organisation in textiles; clothing and footwear incorporated in England by a Royal Charter granted in 1925 and is a registered charity. The Institute has Individual and Corporate Members in up to 70 countries. The membership covers all sectors and all disciplines in textiles, clothing and footwear with current focus on Technical Textiles. Benefits of the MOU are:-

1. ITTA Members can become member of TI at a discounted rate of 30%
2. To jointly organise International workshop, seminar or symposium for technical textile companies.
3. To support major events of Technical Textiles Industries organized by ITTA and TI members.

ITTA'S ENGAGEMENT WITH BIS - DEVELOPMENT OF INDIAN STANDARDS ON TECHNICAL TEXTILES

1. BIS SECTIONAL COMMITTEE MEETINGS -

1.1 Technical Textile for Medtech Applications Sectional Committee, TXD 36

The 30th Meeting of Technical Textile for Medtech Applications Sectional Committee, TXD 36 was held through video conferencing on 05.05.2025. The meeting was attended by Dr. Anup Rakshit, Executive Director from ITTA Secretariat and many ITTA Members from Dima Products, Dispoline India Pvt. Ltd., E. I. DuPont India Pvt. Ltd., Ginni Filaments Ltd., Johnson & Johnson MedTech, Kimberly Clark Corporation, Nobel Hygiene, Sekhani Industries Pvt. Ltd., Surgeine Health Care Pvt. Ltd., Swara Baby Products Pvt Ltd., Venus Safety and Health Pvt Ltd. and Welspun Living Ltd.

Highlights of the key points discussed & decided in the meeting --

1. ***IS Standards for Publication -*** Following Draft of Indian Standard is finalized for publication - Doc No.: TXD 36 (26729), Medical Textiles - Elastic Bandage - Specification (first revision of IS 16111).
2. ***Wide Circulation -*** Following Draft standard will be issued under wide circulation - TXD 36 (27141) - Scrub Suit, TXD 36 (27142) - Sterilization Wraps, IS 5405: 2025 - Disposable Sanitary Napkin/ Panty Liner/ Maternity Pad/ Period Panty, IS 17514: 2025 - Reusable Sanitary Pad/ Sanitary Napkin/ Period Panties, IS 17787: 2021 - Nonwoven Wipes, IS 17788: 2021 - Nonwoven Fabric for Wipes, IS 17509: 2021 - Disposable Baby Diaper, IS 17508: 2020 - Disposable Adult Incontinence Diaper, IS 16288: 2014 - Method for Evaluation of the Bacterial Filtration Efficiency of Surgical Face Masks.
3. BIS shall prepare the preliminary drafts on new subjects such as Disposable Tampons, IV Cannula Fixator, Wound Care Dressing, Knee Cap, Pouch Arm Sling, and Wrist and Forearm Splint, and shall circulate them accordingly.

1.2 Technical Textiles for Mobiltech Applications Sectional Committee, TXD 38

The 12th Meeting of Technical Textiles for Mobiltech Applications Sectional Committee, TXD 38 was held through video conferencing on 02.05.2025. The meeting was attended by Shri. Dinesh Batra, Autotech Nonwovens Pvt. Ltd. as an alternate member and many ITTA Members from Autoliv India Ltd., Century Enka Ltd., Kusumgar Corporates Pvt. Ltd., and SRF Ltd.

Highlights of the key point discussed & decided in the meeting -

1. It was decided that an Indian Standard for automotive headliners is already available. Therefore, if required in the near future, jute-based headliners may be incorporated as an additional variety in the standard for 'automotive headliners,' subject to the receipt of in-house or third-party test reports on jute-based headliners from the manufacturing industries.

DRDO develops high-pressure polymeric membrane for sea water desalination

Defence Research & Development Organisation (DRDO) has successfully developed indigenous nanoporous multilayered polymeric membrane for high-pressure sea water desalination. Defence Materials Stores and Research & Development Establishment (DMSRDE), the Kanpur-based laboratory of DRDO, has developed the technology for desalination plant in Indian Coast Guard (ICG) ships, based on their operational requirement to address the serious challenge of stability when exposed to chloride ions in saline water. The development has been completed in a record time of eight months.

DMSRDE, along with ICG, successfully carried out initial technical trials in the existing desalination plant of Offshore Patrolling Vessel (OPV) of ICG. The initial safety and performance trials of the polymeric membranes were found to be fully satisfactory. The final operational clearance will be given by ICG after 500 hrs of operational testing.

Presently, the unit is under testing and trials on OPV. This membrane will be a boon for desalination of sea water in coastal areas after certain modifications. It is another step by DMSRDE in the journey of Aatmanirbhar Bharat.

[***Source :*** ***https://www.pib.gov.in/PressReleasePage.aspx?PRID=2128795***]

Port restriction on import of certain goods from Bangladesh to India

The Directorate General of Foreign Trade (DGFT), Ministry of Commerce and Industry, has issued a notification imposing port restrictions on the import of certain goods such as Readymade garments, processed food items etc., from Bangladesh to India. However, such said port restriction will not apply to Bangladesh goods transiting through India but destined for Nepal and Bhutan.

The directive, issued via Notification No. 07/2025-26 dated 17th May 2025, detailing following port restrictions has come into effect immediately.

1. Import of All kinds of Ready-Made Garments from Bangladesh shall not be allowed from any land port, however, it is allowed only through Nhava Sheva and Kolkata seaports.

2. Import of Fruit/ Fruit flavoured and Carbonated

Drinks; Processed food items; Cotton and Cotton Yarn Waste; Plastic and PVC finished goods, except pigments, dyes, plasticisers and granules that form input for own industries; and Wooden Furniture, shall not be allowed through any Land Customs Stations (LCSs)/ Integrated Check Posts (ICPs) in Assam, Meghalaya, Tripura and Mizoram; and LCS Changrabandha and Fulbari, in West Bengal.

3. The port restrictions do not apply to the import of Fish, LPG, Edible Oil, and Crushed stone from Bangladesh

The detailed notification is available on the DGFT website at https://dgft.gov.in.

[Source: https://www.pib.gov.in/PressReleasePage.aspx?PRID=2129380]

Government notifies expansion of Credit Guarantee Scheme for Startups (CGSS) to increase capital mobilization for startups

The Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry has notified the expansion of the CGSS which increases the ceiling on guarantee cover per borrower under the Scheme from Rs. 10 crores to Rs. 20 crores. The extent of guarantee cover provided has also been increased to 85% of the amount in default for loan amount up to Rs. 10 crore and 75% of the amount in default for loan amount exceeding Rs. 10 crores.

Further, the Annual Guarantee Fee (AGF) for startups in 27 Champion Sectors has been reduced to 1% p.a. from 2% p.a. The Champion Sectors have been identified by the Government under 'Make in India' to provide a thrust to India's manufacturing and service capabilities. The reduction in AGF for Champion Sectors will make funding more attractive for the identified sectors and boost innovation in domestic manufacturing and self-reliance.

In line with the vision of the Prime Minister Shri. Narendra Modi of transforming India into an innovation-driven self-reliant economy, the notified expansions aim to address the financing needs of innovation-driven startups. As a result of the increased guarantee support and coverage, the number of financial institutions coming forward to provide credit support to startups shall increase, thereby increasing overall fund flow for startups.

The expanded Scheme will further reduce the perceived risks associated with lending to startups in established financial institutions, enabling

greater financial flow and runway for startups to undertake research and development (R&D), experimentation, and create cutting-edge innovation and technologies.

Several operational reforms and other enabling measures identified through consultations with the startup ecosystem have also been included in the expanded CGSS to make the Scheme attractive for lenders and startups seeking funding support. The expansions and modifications are expected to give thrust to the Scheme and enable a wider range of startups to benefit to propel the country towards becoming a Viksit Bharat.

The Hon'ble Prime Minister launched the Startup India initiative along with an Action Plan for Startups on 16th January 2016 to create a vibrant startup ecosystem in the country. In line with the Action Plan for startups, the Government had approved and notified the 'Credit Guarantee Scheme for Startups (CGSS)' on 6th October 2022 to provide guarantee up to a specified limit against credit instruments extended to startups by Scheduled Commercial Banks, All India Financial Institutions

(AIFI), Non-Banking Financial Companies and Securities and Exchange Board of India (SEBI) registered Alternative Investment Funds (AIFs).

The broad objective of CGSS is to finance eligible startups, by enabling collateral free debt funding to startups through avenues such as working capital, term loans, and venture debt. To further catalyse entrepreneurship by providing enhanced credit support to innovators and encourage financial institutions in the ecosystem to provide early-stage debt funds to startups, the Union Budget 2025-26 had proposed the enhancement of credit availability with guarantee cover for startups. The notification for the Scheme along with other details can be accessed at: https://www.ncgtc.in/en/product-details/CGSS/Credit-Guarantee-Scheme-for-Start-ups-(CGSS)

[Source: https://www.pib.gov.in/PressReleasePage.aspx?PRID=2127843]

Union Minister of Textiles, Shri. Giriraj Singh interacts with the Industry Representative and Beneficiaries of Samarth

Union minister of Textiles Shri Giriraj Singh interacted with Industry partners and beneficiaries under the Samarth scheme today. The Minister interacted with beneficiaries from different sectors including handloom, handicraft, jute and silk under the samarth scheme and beneficiaries shared their experiences on the benefits given to them which is strengthening their livelihood. During the interaction the beneficiaries and industry partners shared the scheme's impact and success stories to the Union Minister.

Union Minister highlighted the significance of textile sector in India as one of the largest employments generating sectors and the benefits provided to them through various schemes of Ministry of textiles including the Samarth scheme. During interaction industry representative put forward their views on the present status of the Samarth scheme including challenges to be addressed, growth potential and opportunities available for the skilled manpower to make India global hub of Textiles.

So far under the Samarth scheme, 4.32 lakh beneficiaries trained, 3.20 lakh have received placements with 88% of women beneficiaries. By empowering women in textile production, craftsmanship, and innovation, the scheme is driving gender-inclusive development. The scheme extends across India, making skill development accessible from Jammu & Kashmir to the Andaman & Nicobar Islands. The government focus on Increasing textile manufacturing, modernizing infrastructure, fostering innovation upgrading technology through skilled manpower will strengthen India's position as a global textile hub.

Samarth -0.0. Scheme for Capacity Building in the Textile Sector is a demand-driven, placement-oriented skilling initiative is a significant step towards developing workforce empowerment. Samarth aims to incentivize and supplement the efforts of the industry in creating jobs in the organized textile and related sectors, covering the entire value chain of textiles, excluding Spinning and Weaving.

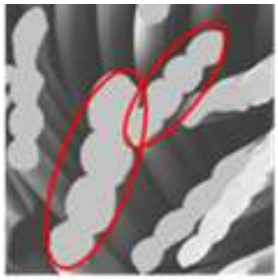
[Source: https://www.tripurastarnews.com/union-minister-of-textiles-shri-giriraj-singh-interacts-with-the-industry-representative-and-

RAW MATERIAL

New High-performance Polyester Fabric with a Natural Fiber-like Texture and Appearance

Teijin Frontier Co., Ltd., Tokyo announced that it has developed a new high-performance polyester fabric, which combines the elegant appearance and texture of natural fibers made of yarns of random thickness with advanced functionalities such as cool touch, anti-stickiness, quick dry, opacity and ultraviolet (UV) protection. The newly developed fabric is produced from a unique, four-lobed, flat cross-section yarn with random thicknesses, achieved through Teijin Frontier's proprietary spinning technology. These thickness variations create pleasing irregularities in appearance and a dense texture similar to those of natural fibers. To support circularity, the newly developed fabric is made with 100 percent recycled polyester.

There is strong demand for textiles that offer a natural and elegant appearance for casual and fashion apparel. At the same time, consumers are looking for value-added comfort features like those found in high-performance sportswear. Until now, it has been difficult to combine these high-performance features with a natural fiber-like appearance and texture. To solve this issue, Teijin Frontier has created a fabric that offers both the appearance and texture of natural fibers and the comfort of high-performance materials. Using proprietary technology, this fabric is woven or knitted from a four-lobed, flat cross-section full dull yarn with random thicknesses in both the longitudinal and cross-sectional directions. Moreover, to achieve the combination of natural fiber like texture and advanced functionalities, Teijin Frontier also adopts special dyeing and finishing technology and post-processing techniques.



Cross-sectional view

The surface

The newly developed fabric delivers the following performance properties to enhance comfort and wearability: Quick dry: Capillary action wicks away perspiration via grooves on the fiber surface, Cool touch: Full dull yarn contains titanium oxide promotes a cooling sensation as heat is transferred from the skin to the fiber, flat cross-sectional shape increases the skin contact area, Anti-stickiness: Random thicknesses of the yarn forms irregularities on the surface of the fabric and prevents its adherence to the skin and Anti-transparency and UV protection: Full dull yarn and the four-lobed flat cross-sectional structure produce a light-scattering effect that creates opacity and helps to block UV radiation.

[Source - https://www2.teijin-frontier.com/english/news/post/194/]

Durable, Recycled Yarn for Tactical and Military Use

UNIFI, Inc., based in North Carlino, the makers of REPREVE® and one of the world's leading innovators in recycled and synthetic yarns, launched Fortisyn™, an abrasion-resistant yarn engineered for ultimate durability in tactical applications. This innovative yarn provides fabrics with enhanced tear and tensile strength, offering a robust solution for military and first responder uniforms and tactical gear. Fortisyn is available made-in-USA for Berry Amendment compliant applications.

Fabrics containing Fortisyn can withstand exposure to harsh elements and rough handling while maintaining their form, function, and appearance over time. Fortisyn is available in nylon 6,6 and REPREVE® Nylon, a recycled type 6, circular nylon made from post-industrial yarn waste. In collaboration with mills and strategic partners, Fortisyn has undergone rigorous fabric testing to validate its exceptional performance. The launch marks a step forward in the scaling of recycled, circular technology yarns into the most durable applications.

About Fortisyn:

- Engineered for inherent durability and abrasion resistance.4
- Solution-dyed capability for enhanced colorfastness.
- Fortisyn, made with REPREVE Nylon, is fully traceable with FiberPrint® technology and certified by U-TRUST®, along with Oeko-Tex®, GRS, and SCS certifications for recycled content.
- Available globally and in combination with other UNIFI yarn technologies.

[Source - https://investor.unifi.com/news-releases/news-release-details/unifir-makers-reprever-launches-fortisyntm-inherently-durable]

MEDITECH

Innovative Bacterial Fibers offer hope for Bone Healing

A groundbreaking doctoral thesis from the University of Borås, Sweden, has opened new possibilities in bone healing through sustainable textile technology. Dr. Sabrina Kopf, Ph.D. in Polymer Technology, has developed biodegradable fibers from bacteria-produced polyhydroxyalkanoates (PHA) that may serve as a synthetic alternative for bone grafts. Her research focuses on creating PHA-based textile structures both woven and knitted that can support bone regeneration. Since bone cells naturally recognize and bind to calcium phosphate, this mineral was incorporated into the fibers to promote cell attachment and healing.

Using melt spinning, Dr. Kopf processed PHA into strong, bone-like fibers. Lab tests showed that bone cells adhered well and remained healthy on the material's surface. "The results are promising. The

fibers have comparable strength to bone, and their biocompatibility opens doors to future biomedical applications," Dr. Kopf noted. Currently, bone grafts often involve harvesting bone from the patient's own body, which limits supply and carries risk. PHA fibers present a safer, more sustainable solution. Not only are they biodegradable and microplastic-free, but they can also be produced from industrial waste, supporting both medical innovation and environmental sustainability.

Dr. Kopf's work aligns with the UN's Sustainable Development Goals, promoting responsible production and improved healthcare. She will continue her research in melt spinning at RISE's fiber development department. This innovation represents a promising step forward in medical textiles, potentially revolutionizing bone treatment while advancing eco-friendly solutions in healthcare.

[Source - How bacteria and textile fibers can heal bones]

360° anti-leak barriers for Baby Diapers

US based Ontex Group NV, a leading international developer and producer of personal care solutions, announced the launch of an all-around leak protection system in baby diapers. The new 360° leak protection offers comprehensive front, back and side-to-side coverage designed to deliver all-around coverage that helps keep babies comfortable, dry, and secure.

The 360° anti-leak barriers are available in Ontex's smallest diaper sizes, delivering reliable protection from day one. These sizes feature added barriers for extra leak protection in all areas as well as a built-in navel cutout to protect the umbilical area and support healing during early development.

The diaper incorporates a channeled absorbent core paired with cloud-soft materials that gently wrap around a newborn's body. The design reflects Ontex's commitment to using safe, high-quality materials parents can trust, providing a secure and comfortable experience.

[Source - https://ontex.com/news/ontex-announces-launch-of-360-anti-leak-barriers-for-baby-diapers/]

MOBILTECH

Lightweight composite impact protection plate for electric vehicle batteries

Switzerland based Autoneum's new impact protection plate, made from thermoplastic composite material, shields the battery of electric vehicles from impact, fire and corrosion. The lightweight component not only meets the highest requirements in terms of shock resistance and durability but also contributes to improved energy management and thus to a longer range thanks to its thermal insulation properties.

The ongoing transformation of the automotive industry towards an increasingly electrified mobility requires new shielding technologies to protect the battery system in electric vehicles. In this regard, Autoneum's new impact protection plate offers a high-performance, safe and cost-effective option thanks to its mechanical and thermal insulation properties, low weight and ability to withstand extreme temperatures.

Autoneum's composite impact protection plate shields the vehicle battery from damage caused by impact, fire and corrosion. It is significantly lighter than metal alternatives and at the same time thermally insulating, which contributes to a longer driving range. In addition, the part meets the highest requirements for impact resistance and springs back into shape without structural loss or

deformation even after repeated exposure to stones and road debris. The new impact protection plate is based on long-fiber thermoplastic (LFT) technology, which allows the greatest possible freedom in terms of design and construction as well as waste-free production. Moreover, the additional reinforcement of the basic structure ensures maximum rigidity and impact protection at minimal weight.

The impact protection plate reflects Autoneum's technological expertise in underbody shields, thermal management and the application of the LFT process, adapted specifically for battery electric vehicles. The technology for the composite impact protection plate has been validated by simulations and vehicle testing at different European OEMs.

[Source - chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.autoneum.com/wp-content/uploads/2025/05/250520_Media-Release_Impact-protection-plate-for-electric-vehicles-1.pdf]

CLOTHTECH

New thread is invisible to infrared cameras

Turkish thread manufacturer Durak Tekstil has developed its new Durak Poly-Strong PC-IR sewing thread to provide infrared (IR) invisibility. Developed as a solution to the infrared problems experienced by the military and security industry in the sewn areas of clothing and other materials, the new IR thread enables the camouflage feature to be used to its full potential.

The infrared (IR) wavelength in the 700-1200 nm range of the electromagnetic spectrum is a spectral area that the human eye cannot see, but it can be detected by a few sensors. With new technological developments, invisibility against radar and IR sensors is the most important factor for security in the field in military and security applications. Although camouflage clothing provides IR invisibility, this concealment could not be fully achieved due to both heat differences and surface connection gaps due to the stitching areas. With our new thread, camouflage becomes more perfect and complete invisibility is achieved. No IR camera in the 700-1200 nm wavelength range can detect our Poly-Strong PC-IR, it provides real invisibility.

The company says the dark military green tone of the thread is ideal for sewing military clothing and camouflage products. The thread has received approval from accredited laboratories and international independent institutes. The innovative thread can be used safely in products such as clothing, tents, bags and shoes where complete thermal invisibility is desired. The IR thread, which produces strong and durable seams, currently has a reflectance value in a safer range than the IR reflectance limit values in the military field compared to similar products on the market.

[Source - https://textiletechsource.com/2025/05/22/new-thread-is-invisible-to-infrared-cameras/#:~:text=Developed%20as%20a%20solution%20to%20the%20infrared%20problems,feature%20to%20be%20used%20to%20its%20full%20potential.]

Technical Textiles Market: Global Opportunity Analysis and Industry Forecast, 2023-2032

The global technical textile market size was valued at $191.7 billion in 2022, and is projected to reach $331.8 billion by 2032, growing at a CAGR of 5.7% from 2023 to 2032. Technical textile is well-known for its technical (mechanical, electrical, durable, and thermal) and functional properties, rather than decorative and aesthetic characteristics. It is used for technical applications such as protective clothing in the chemical industry, defense sector, automotive interiors, and others.

Market Dynamics:

The technical textiles market is anticipated to exhibit remarkable growth in future, due to rise in demand for cars with high-quality technological aspects. In addition, the competition in this sector is expected to increase the demand for Mobiltech application in the technical textile market. The intense competition in the automobile sector in regions such as North America and LAMEA is expected to fuel the demand for Mobiltech textiles material. In addition, the electric vehicle is expected to play a huge role in the automotive market and consequently the automotive textile demand; thus, fueling the technical textile market growth during the forecast period.

Additionally, the construction industry is a major consumer of technical textiles, utilizing them in geotextiles, architectural membranes, and reinforcement materials. As global infrastructure development and urbanization continue, the demand for technical textiles in construction is expected to rise. These textiles offer solutions for soil stabilization, drainage environmental protection, contributing longevity and infrastructure projects. Sustainability.

Furthermore, the increasing emphasis on safety and protection across industries has driven the demand for technical textiles in the production of protective clothing, including flame-resistant apparel, chemical-resistant suits, and high-visibility garments. The need for personal protective equipment (PPE) in industrial settings, healthcare, and emergency services fuels the growth of this segment within the technical textile market.

Competitive Analysis: The technical textile market forecast is done based on ongoing industry trends, current industry performance, and historical scenarios. Companies profiled in the report include DUVALTEX, DuPont, Ahlstrom-Munksj, Berry Global, Inc, SKAPS INDUSTRIES, Asahi Kasei Corporation, Mitsui Chemicals, Inc, FREUDENBERG And CO. KG, HUESKER SYNTHETIC GmbH, BALTEX. These industries majorly hold the technical textiles market share. The technical textile market share analysis helps analyze the key players and their growth strategies.

The other players in the value chain of the technical textile market include Bruck Textiles, Gelvenor Textiles, Lanxess, NIKOL Advance Materials Pvt. Ltd, Sanrhea Technical Textiles Limited, Arville Textiles Limited, L. van Heek Textiles bv, HiltexTechnischeWeefsels B.V., Delcotex, Aurich Textiles GmbH, and others.

[Source- https://www.alliedmarketresearch.com/technical-textile-market]

Fire-Resistant Fabrics Market - Global Forecast to 2028

The fire-resistant fabrics market is projected to grow from USD 3.5 billion in 2023 to USD 4.9 billion by 2028 at a CAGR of 6.6%. Over the world, the fire-resistant fabrics market is expanding significantly, and during the forecast period, a similar trend is anticipated. The extensive use of fire-resistant fabrics and increasing demand from end-use industries such as oil & gas, construction & manufacturing, and transport industry has raised the demand for fire-resistant fabrics worldwide. Increased demand from end-use industries, urbanization & infrastructure development, and stringent regulations & standardization pertaining to safety at the workplace are key factors expected to drive the global fire-resistant fabrics market during the forecast period. Furthermore, technological

innovations in product development in fire-resistant fabrics market is an opportunity for market growth. However, fluctuating raw material costs of fire-resistant fabrics is the major challenge in the fire-resistant fabrics market.

Fire-Resistant Fabrics Market Dynamics

Restraints: High cost of production and huge investment for R&D - One of the main factors limiting the expansion of the market for fire-resistant fabrics is the high cost of manufacture. Due to the high cost of the raw ingredients and sophisticated manufacturing techniques used in the creation of fire-resistant fabrics, these fabrics are highly expensive to produce. The complexity of production technologies and the accompanying R&D expenses are also proving to be a barrier to the market's expansion for fire-resistant fabrics. The cost of textiles that withstand fire is similarly impacted by changes in energy prices. Thus, the cost of fire-resistant fabrics is directly and significantly impacted by rising raw material, energy, weave structure, and transportation expenses.

Opportunities: Technological innovations in product development - The present market need is mostly focused on affordable, fire-resistant fabrics that comply with regional minimum criteria or laws. Customers now want other features in addition to fire resistance due to the changing nature of applications. Customers are increasingly focusing on multipurpose fire-resistant fabrics that serves several purposes. Although generally fire-resistant, clothing may not offer sufficient (or any) protection against mechanical threats. However, some sectors, including the oil and gas and chemical industries, may present several risks concurrently. All these factors contribute a greater oppurtunity for the manufacturers of fire-resistant fabrics.

Challenges: Fluctuating raw material costs - The quality, effectiveness, and cost of fire-resistant fabrics are significantly influenced by the raw components. The quality of the raw materials has a significant influence on the ultimate cost of the fire-resistant fabric, as does the quality of these textiles. Due to the high cost and high quality of the raw materials used in their production, these fire-resistant fabrics are created by companies in Europe and North America at high cost, whereas fire-resistant fabrics made in Asia-Pacific are produced at significantly cheaper cost with comparably poorer performance and quality.

Asia Pacific is projected to hold the largest share of the global fire-resistant fabrics market throughout the forecast period, in terms of value. According to projections, the region will be a prime location for the fire-resistant fabrics business attributed to the growing demand for fire-resistant fabrics in the region along with increasing population. Asia Pacific is also projected to witness the highest CAGR during the forecast period between 2023 and 2028 in terms of value. The high production volumes of fire-resistant fabrics in the countries such as India, China, and Japan are expected to further drive the market in Asia Pacific between 2023 and 2028.

[Source-https://www.marketsandmarkets.com/Market-Reports/fire-resistant-fabric-market-185633312.html]

INDIAN TECHNICAL TEXTILE ASSOCIATION

SAFETY APPLIANCES MANUFACTURERS ASSOCIATION

ITTA SIGNED MOU WITH SAFETY APPLIANCES MANUFACTURERS ASSOCIATION (SAMA)

Safety Appliances Manufacturers Association (SAMA) is an Association of Occupational Safety Appliances & Services – Providers, Manufacturers, Distributors & Dealers. Enhancing safety awareness and guiding the end-user for optimum usage of Safety Appliances & services, technologies, and equipment. Organizes events & campaigns for the members that boost workplace safety awareness across industries. The objective of MOU is: -

1. To promote Technical Textiles in India and abroad.
2. It will create a common platform to share knowledge and help each other to resolve various industry issues.

EXPORT-IMPORT TREND OF TECHNICAL TEXTILE PRODUCTS OF MARCH 2025

The data on export and import of 247* technical textile products/items is published as an indicator of foreign trade performance of technical textile industry in India.

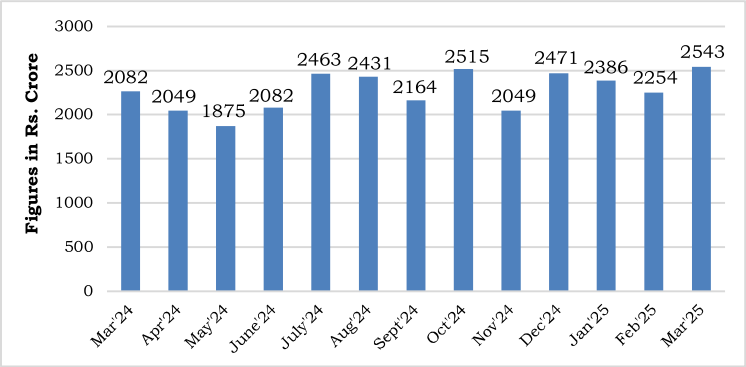
A. EXPORT PERFORMANCE

(Value in INR Cr.)

Sr. No	Segments	Mar 2024	Mar 2025	% Growth	Apr-Mar 2024	Apr-Mar 2025	% Growth
1	Agrotech	109	93	-15%	939	1109	18%
2	Buildtech	97	108	11%	1065	1089	2%
3	Clothtech	35	37	8%	295	409	39%
4	Geotech	226	240	6%	2129	2544	20%
5	Hometech	8	7	-14%	137	101	-26%
6	Indutech	262	274	5%	2812	3058	9%
7	Meditech	244	263	8%	2841	3103	9%
8	Mobiltech	286	290	1%	3133	3540	13%
9	Packtech	644	787	22%	7075	8505	20%
10	Protech	59	102	71%	722	817	13%
11	Sportech	112	123	9%	1186	1280	8%
12	Nonwovens	130	160	23%	1429	1712	20%
13	Speciality Fibres	32	32	1%	431	415	-4%
14	Composites	22	27	23%	265	262	-1%
	GRAND TOTAL	**2267**	**2543**	**12%**	**24460**	**27946**	**14%**

Data Source: ITTA Analysis on Ministry of Commerce and Industry (at 8 digit level of HSN Codes)

Figure 1 - Monthly Trend of Export Performance



The above figures indicate a slight dip in exports during November 2024, followed by a significant increase from December 2024 to March 2025.

Top Ten Exported Products in Month of March'25

SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	63053200	Flexible Intermediate Bulk Containers (FIBC)	728
2	59039090	Other fabric plated, laminated, coated & impregnated with other Plastics	157
3	56074900	Other cordage of Polyethylene/ Polypropylene	106
4	84212300	Oil or petrol-filters for internal combustion engines	105
5	56031200	Nonwovens of MMF: Weighing > 25 GSM but not > 70 GSM	84
6	87089500	Safety airbags with inflater system	69
7	59031090	Other Fabrics impregnated, laminated, plated, and coated with PVC	65
8	95069990	Other Articles & equipment for general physical exercise, gymnastics or athletics	50
9	56081190	Made up fishing nets other than Nylon	45
10	40151200	Gloves, mittens & mitts used for medical, surgical, dental or veterinary purposes	48

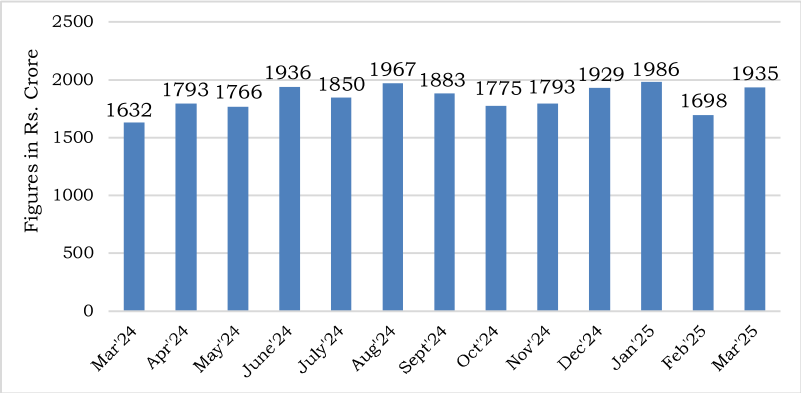
B. IMPORT PERFORMANCE

(Value in INR Cr.)

Sr. No	Segments	Mar 2024	Mar 2025	% Growth	Apr-Mar 2024	Apr-Mar 2025	% Growth
1	Agrotech	33	31	-5%	263	315	20%
2	Buildtech	143	176	23%	1997	2031	2%
3	Clothtech	18	28	60%	237	298	26%
4	Geotech	110	139	27%	1436	1857	29%
5	Hometech	32	42	32%	376	429	14%
6	Indutech	260	329	26%	3189	3721	17%
7	Meditech	135	91	-32%	1387	1301	-6%
8	Mobiltech	477	542	14%	5827	6016	3%
9	Packtech	62	90	46%	821	746	-9%
10	Protech	42	50	19%	595	640	8%
11	Sportech	51	54	5%	600	647	8%
12	Nonwovens	111	152	36%	1382	1683	22%
13	Speciality Fibres	150	184	23%	1905	2275	19%
14	Composites	10	28	175%	217	263	21%
	GRAND TOTAL	**1634**	**1935**	**18%**	**20232**	**22221**	**10%**

Data Source: ITTA Analysis on Ministry of Commerce and Industry (at 8 digit level of HSN Codes)

Figure 2 - Monthly Trend of Import Performance



import of TT products registered a decline in December 2024, followed by a marginal increase from January & March 2025.

Top Ten Imported Products in Month of March'25

SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	87089500	Safety airbags with inflater system	157
2	59032090	Other fabrics impregnated, laminated, plated, and coated with Polyurethane	104
3	59039090	Other fabric plated, laminated, coated & impregnated with other Plastics	99
4	84212300	Oil or petrol-filters for internal combustion engines	98
5	59031090	Other Fabrics impregnated, laminated, plated, and coated with PVC	55
6	70191100	Chopped Strands of Glass fibres of a length not more than 50 mm	54
7	68151100	Carbon Fibre	51
8	54021990	Other high tenacity yarn of Nylon or other Polyester (Less than 840 Denier)	49
9	59021010	Tyre Cord fabric of nylon or other polyamides impregnated with rubber	44
10	58063200	Other narrow woven fabrics of man-made fibres	36

***NOTE -**

1. 12 HSN Codes from the 207 list have been removed from the CUSTOMS TARIFF OF INDIA-2022 effective from 01.05.2022.

NEW MEMBERS

CORPORATE MEMBERS

SULOCHANA COTTON SPINNING MILLS PVT LTD, TAMIL NADU

Sulochana Cotton Spinning Mill is a sustainable textile vertical provides end to end circularity solutions. They are one of the largest producers of Melange yarn out of India. They have converted 7 million pet bottles into 130 MT Recycled Dope dyed Polyester Staple fibre & Filament yarns & spinning 80 MT of sustainable mélange yarns. Their products range are Dope Dyed Polyester - 1.2 & 1.4 denier - 26000 MT & Polyester Filaments 150-300 denier - 1200 MT (FY 2023-24).

ROSSARI BIOTECH LIMITED, MAHARASHTRA

Rossari Biotech delivers customized solutions across 23+ industries, specializing in Home, Personal Care and Performance Chemicals (HPPC), Textile Specialty Chemicals (TSC), and Animal Health and Nutrition (AHN). They have machineries such as Reactors, Blenders, Spray dryer, Powder Mixers, Fermenters, Granulators, Tablet making m/c & packaging equipments. Their products include wetting agent, enzymes, finishing agent & auxiliaries with a total production capacity is 132,500 MT/Year (FY 2023-24).viscose, acrylic, and glass fibers, as well as for complex blends like wool, recycled polyester, melange, linen, aramid, and nylon with total production capacity of 15000 MT/Year (FY 2023-24).

MRC MILLS PRIVATE LIMITED, TAMIL NADU

MRC Mills are a leading integrated textile processing mill in South India. Their Karur unit is known among local export houses for its state-of-the-art rotary printing and finishing services for both woven and terry fabrics. While their Cuddalore unit stands out as a hub for expert dyeing, premium finishing, and the processing of high-quality apparel, garments, and home textile fabrics. They have installed machineries including Singeing/Desizing, CBR, CWR, CMR, Jigger, Soft Flow, Mercerizer, Rotary Screen Printing, Relax Dryer, Cold Pad Batch (CPB), Stenter, Calender, Sanforizer/Shrinkage Range, Brushing, Digital Printing, and Hydro Extractor. They specialize in the production of woven fabrics in various finishes. Their product offerings include Woven Fabrics (Bleached) - 2,948 MT/year, Woven Fabrics (Dyed) - 2,948.4 MT/year, and Woven Fabrics (Printed) - 2,689.2 MT/year (FY 2023-24).

MRC MILLS PRIVATE LIMITED

KC GROUPS

INTEGRATED PROCESSING MILL

DYEING | PRINTING | FINISHING

Unit -1

#9/1,C.A.K Road,
Near Water Pumping Station,Karur-639001(TN)

Unit -2

Plot No.A5-1, Sipcot Industrial Estate,
Cuddalore-607003(TN)

E-mail - mrccud@kcgroups.in
Contact : (+91) 9842734164 / 9944122799
www.kcgroups.in

OPPORTUNITY TO CONNECT WITH TECHNICAL TEXTILE INDUSTRY

ITTA LAUNCHED TWO NEW MEMBERSHIP CATEGORIES

For Textile Professionals & Students

Associate Member

Eligibility criteria :

- Individual professionals working in Textile industry.
- Having your own businesses in any Technical Textile.
- Value chain.
- Faculties of Academic institutions.
- Start-ups.
- Individual consultants.

Benefits :

- Updates through email on State & Central Govt. Notifications, Policy changes & new BIS standards.
- Speaking & Mentoring Opportunities who have domain knowledge in Technical Textile subjects in ITTA's training programs.
- Can write articles for publishing in ITTA's E-Bulletin.
- Special Discounts on ITTA's Executive & other professional training programs, delegate fees of ITTA's conferences, seminars & workshops.
- Will get soft copies of ITTA E-Bulletin and special discounts on other ITTA publications.
- Will get Notifications through Email on various Events organised by ITTA.

Student Member

Eligibility criteria :

- Any UG, PG, PhD, Diploma Student pursuing courses on Textile Engineering/ Technology, Fashion Technology or related fields.
- After completing the courses & entering into the industry, students are eligible to apply for Associate Membership.

Benefits :

- Assistance from ITTA on getting Internships & R&D Projects with industry.
- Special Discounts on ITTA's Executive & other professional training programs, delegate fees of ITTA's conferences, seminars & workshops.
- Students can initiate creating "ITTA Chapter" in college for specific activities with industry.
- Will get soft copies of ITTA E-Bulletin and special discounts on other ITTA publications.
- Will get Notifications through Email on various Events organised by ITTA.

ASSOCIATE MEMBER

Scan to download the application form

STUDENT MEMBER

For further details, contact ITTA office -
Email: contact@ittaindia.org • Mob: +91 9769464616 • Tel: +022 49635711 • Website: www.ittaindia.org
314, 3rd Floor, MIDAS, SAHAR PLAZA, Andheri-Kurla Road, J.B. Nagar, Andheri-East, Mumbai - 400059;

UPCOMING EVENTS

DATES	EVENTS NAME	PLACE	WEBSITE
DOMESTIC EVENTS			
06-08 March 2025	***ISPI 2025 (5th International Summit for Packaging Industry)***	New Delhi, India	https://iip-ispi.com/
12-13 March 2025	***AGROSPECTRUM TECHNOVATE 2025 (Transforming Agriculture with Innovation & Tech)***	Navi Mumbai, India	https://agrospectrumindia.com/technovate2025/index.php
27-29 March 2025	***MEDICAL FAIR INDIA (30th International Exhibition and Conference)***	New Delhi, India	https://www.medicalfair-india.com/
24-25 April 2025	***OSH INDIA NORTH***	New Delhi, India	https://www.oshindia.com/oshgurukulconference/
20 June 2025	***NATIONAL CONCLAVE ON TECHNICAL TEXTILES – HOMETECH "Carpet for Technical Application***	Bhadohi, UP	https://www.ittaindia.co.in/
26-27 June 2025	***OSH INDIA SOUTH***	Bangalore, India	https://www.oshindia.com/
01-04 July 2025	***HGH INDIA 2025 (Home Décor, Gifts & Houseware)***	Mumbai, India	https://www.hghindia.com/
10-12 July 2025	***YARNEX (India International Yarn Exhibition)***	New Delhi, India	https://www.textilefairsindia.com/delhi.php
10-12 July 2025	***HOMTEX (India International Home Textile Exhibition)***	New Delhi, India	https://textilefairsindia.com/homtex/
12-14 August 2025	***SPORT INDIA 2025 (13th India International Sporting Goods Show)***	New Delhi, India	www.iisgs.com
08-09 September 2025	***'Right' Hygiene 2025***	New Delhi, India	https://righthygiene.com/
06-08 November 2025	***11th EDITION NONWOVEN TECH ASIA (Exhibition on Nonwoven & Hygiene Technology)***	New Delhi, India	https://nonwoventechasia.com/
18 November 2025	***Dornbirn Global Fiber Congress India***	Mumbai, India	https://www.dornbirn-gfc.com/en/news/details/ttttt
19-21 November 2025	***TECHTEXTIL INDIA 2025***	Mumbai, India	https://techtextil-india.in.messefrankfurt.com/mumbai/en.html
27-29 November 2025	***OSH INDIA***	Mumbai, India	https://www.oshindia.com/mumbai/
03-06 February 2026	***CHEMTECH WORLD EXPO 2024 (32nd International Exhibition & Conference)***	Mumbai, India	https://www.chemtech-online.com/chemtech-2026/
INTERNATIONAL EVENTS			
04-06 March 2025	***JEC WORLD 2025 (International Composites Show)***	Paris, France	https://www.jec-world.events/
11-13 March 2025	***INTERTEXTILE SHANGHAI HOME TEXTILES SPRING EDITION***	Shanghai, China	https://intertextile-shanghai-hometextiles-spring.hk.messefrankfurt.com/shanghai/en.html
12-14 March 2025	***GENTEXH 2025 (Global Exhibition on Nonwoven & Hygiene Technology)***	Ho Chi Minh City, Vietnam	https://gentexh.com/
25-26 March 2025	***FILTREX 2025***	Vienna, Austria	https://www.edana.org/events/filtrex/filtrex-europe
16-18 April 2025	***POLYMERS 2025 (Polymers International Conference)***	Albufeira, Portugal	https://www.setcor.org/conferences/polymers-2025

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16-18 April 2025	***COMPOSITES 2025 (Composites International Conference)***	Albufeira, Portugal	https://www.setcor.org/conferences/composites-2025
29 April-01 May 2025	***IDEA 2025***	Florida, USA	https://www.ideashow.org/
29 April-01 May 2025	***FILTXPO™ 2025 (International Filtration Conference & Exhibition)***	Florida, USA	https://www.filtxpo.com/
06-08 May 2025	***TECHTEXTIL NORTH AMERICA***	North Carolina, USA	https://techtextil-north-america.us.messefrankfurt.com/us/en.html
08-10 May 2025	***8th EDITION OF AGRO BANGLADESH INTERNATIONAL EXPO 2025***	Dhaka, Bangladesh	https://www.cems-agroexpo.com/
20-23 May 2025	***11th European Conference on Protective Clothing (ECPC)***	Kuşadası/ Aydin, Turkey	https://ecpc2025.com/
05-12 July 2025	***NANOTEXNOLOGY 2025 (International Conferences & Exhibition on Nanotechnologies, Organic Electronics & Nanomedicine)***	Thessaloniki, Greece	https://www.nanotexnology.com/
21-24 July 2025	***WORLD OF WIPES International Conference 2025 (WOW)***	Columbus, USA	https://www.worldofwipes.org/
26-28 August 2025	***TECHNOTEXTIL 2025 (International Trade Fair for Technical Textiles, Composite Materials, Polymers and Equipment for their production and processing)***	Moscow, Russia	https://en.technotextil.ru/
26-29 August 2025	***ICACM 2025 (8th International Conference on Advanced Composite Materials)***	Tokyo, Japan	https://www.icacm.org/index.html
03-05 September 2025	***CINTE TECHTEXTIL CHINA***	Shanghai, China	https://cinte-techtextil-china.hk.messefrankfurt.com/shanghai/en.html
15-17 September 2025	***MECAM 2025 (3rd Edition of Middle East Composites & Advanced Materials Expo)***	Dubai, UAE	https://www.mecamexpo.com/
22-23 September 2025	***WORLD AGRI-TECH INNOVATION SUMMIT***	London, UK	https://worldagritechinnovation.com/
23-25 September 2025	***OUTLOOK 2025***	Budapest, Hungary	https://www.edana.org/events/outlook/outlook-2025
07-10 October 2025	***THE 93RD TEXTILE INSTITUTE WORLD CONFERENCE (TIWC) 2025***	Porto, Portugal	https://www.textileinstitute.org/events
14-15 October 2025	***RISE 2025 (Research, Innovation & Science for Engineered Fabrics Conference)***	North Carolina, USA	https://www.riseconf.net/
28-31 October 2025	***ITMA ASIA + CITME 2025***	Singapore	https://www.itmaasiasingapore.com/
04-07 November 2025	***A+A 2025***	Düsseldorf, Germany	https://www.aplusa-online.com/
05-07 November 2025	***ADVANCED TEXTILES EXPO 2025***	Indianapolis, USA	https://advancedtextilesexpo.com/
17-20 November 2025	***HYGIENIX 2025***	Florida, USA	https://www.hygienix.org/
19-22 January 2026	***DOMOTEX 2026 (Home of Flooring & Interior Finishing)***	Hannover, Germany	https://www.domotex.de/en/
21-24 April 2026	***TECHTEXTIL 2026***	Frankfurt, Germany	https://techtextil.messefrankfurt.com/frankfurt/en.html
21-24 April 2026	***TEXPROCESS 2026***	Frankfurt, Germany	https://texprocess.messefrankfurt.com/frankfurt/en.html
18-21 May 2026	***WORLD OF WIPES International Conference 2026 (WOW)***	Columbus, USA	https://www.worldofwipes.org/
19-22 May 2026	***INDEX 2026 (Nonwoven Exhibition)***	Palexpo, Geneva	https://www.indexnonwovens.com/en

DATES	EVENTS NAME	PLACE	WEBSITE
09-13 June 2026	***ITM 2026 (International Textile Machinery Exhibition)***	Istanbul, Turkey	https://www.itmexhibition.com/en/2026en/
09-13 June 2026	***HIGHTEX 2026 (International Technical Textile & Nonwoven Exhibition)***	Istanbul, Turkey	https://www.hightex.com.tr/
30 June-2 July 2026	***FILTECH 2024 (The Filtration Event)***	Cologne, Germany	https://filtech.de/
29-30 September 2026	***RISE 2026 (Research, Innovation & Science for Engineered Fabrics Conference)***	North Carolina, USA	https://www.riseconf.net/
28-29 October 2026	***FILTXPO™ 2026 (International Filtration Conference & Exhibition)***	Florida, USA	https://www.filtxpo.com/
16-19 November 2026	***HYGIENIX 2026***	Texas, USA	https://www.hygienix.org/