



वस्त्र मंत्रालय
MINISTRY OF
TEXTILES



January 2023 Edition

NTTM Newsletter

Capturing Technical Textiles' developments & updates

National Technical Textiles Mission
MINISTRY OF TEXTILES

From Secretary's Corner



Ms. Rachna Shah
Secretary (Textiles)

In the world of textiles, India has always occupied a prominent position, and has produced a variety of textiles and apparel products for the domestic market comprising 1.4 billion Indians as well as for overseas market. Ranging from traditional hand-spun and hand-woven material to modern state-of-the-art Technical Textiles Indian textile products cover the entire spectrum.

One of the key segments of this sector that has received significant attention across the world is Technical Textiles, which is also a focus for the Government of India towards AatmaNirbhar Bharat. The technical textile industry is a large, steadily growing market both globally and domestically. Indian Technical Textiles market is the 5th largest in the world and is rapidly growing, both in terms of value and output. Technical Textiles account for ~15% of the overall Textiles and Apparel segment in India. Besides, the segment also holds importance from the employment and investment standpoint as end-usage of its products cater to a wide array of industries.

Our collective aim is to transform India into a major player in innovations, technology development and applications in key areas of technical textiles. Going forward, NTTM is going to be instrumental in this effort.

From Mission Coordinator's Corner

Technical are defined as high-performance textile products, materials, and fibres that are used for their functional use rather than for aesthetic purposes.

The growth of technical textiles in India has gained momentum in the past five years, growing at an 9-10% per annum. Today, Indian Technical Textiles market stands at ~USD 22 billion in 2021-22. India's trade of technical textiles products has been growing strongly. India is a net-exporter of overall 207 technical textiles products.

Considering the existing global market dynamics, there is a lot of opportunity for India to grab a larger pie of the global market by tapping into unexplored export markets and domestic potential.

In this direction, to strengthen the technical textiles manufacturing and application ecosystem, boost exports, develop robust infrastructure, augment education and skilling landscape and positing India as the leading hub for technical textiles, the Government has undertaken various initiatives, such as NTTM, among others.

Under NTTM, we have launched various guidelines including Machinery Development, Internship Support, Education & Infrastructure development, etc.

The NTTM Newsletter is a step towards comprehensive and robust promotion of the activities under NTTM and technical textiles as a whole.

Shri Rajeev Saxena
Mission Coordinator
National Technical Textiles Mission

NTTM in the news

- **Ministry of Textiles clears 15 Strategic Projects in the areas of Specialty Fibres, Agro-textile, Protech, Sportech and Geotech segment under the Flagship Programme National Technical Textiles Mission (NTTM):** Ministry of Textiles cleared 15 strategic research projects worth around INR 32.25 crores in the areas of Agrotexiles, Specialty fiber, Smart textiles, Activewear textiles, Strategic application areas Protective gear and apparel Sports textiles under the chairmanship of Shri Piyush Goyal, Minister of Commerce and Industry, Consumer Affairs, Food and Public Distribution, and Textiles on 27th January 2023. These strategic research projects fall under the Flagship Programme 'National Technical Textiles Mission.'

Among these 15 Research projects, 7 Projects of Speciality Fibres, 2 Projects of High performance, 1 Projects from build-tech, 2 from protective gear, 1 from geotextiles, 1 from Medical Textiles, 1 from strategic application area, were cleared.

[Read More](#)

- **Ministry of Textiles in partnership with Northern India Textile Research Association (NITRA) and Indian Technical Textile Association (ITTA) organized “National Conclave on Technical Textiles – Protech”:** The Ministry of Textiles in partnership with Northern India Textile Research Association (NITRA) and Indian Technical Textile Association (ITTA) organized a full-day event “National Conclave on Technical Textiles – Protech” on 16th November 2022. The Chief Guest, Ms. Rachna Shah, Secretary, Ministry of Textiles, Government of India, inaugurated the Conclave. The Secretary, Ministry of Textiles, also inaugurated the exhibition of companies

encompassing wide range of protective textile products.

There were three panel discussions in the conclave covering Prospect of indigenisation of Protective Textile products in India, Experience and Expectations of consumers towards adoption of Indian protective textiles and Market promotion & Export opportunities of Protective Textiles in India along with Global Best Practices. Around 450 participants attended the conclave including Officials and Representatives from Central Government, Indian Forces, researchers, entrepreneurs and professionals related to technical textiles especially Protech. [Read More](#)

- **Ministry of Textiles inviting Research proposals for Funding for Design, Development and Manufacturing of Machinery, Tools, Equipment, and Testing Instruments under NTTM:** In order to position India as the global leader in Technical Textiles manufacturing, Government of India, Ministry of Textiles notified General Guidelines for submission of Research proposals under Component-I (Research, Innovation and Development) and Terms of Funding for Design, Development and Manufacturing of Machinery/Tools/ Equipment/Testing Instruments for Technical Textiles.

As on date high-tech machinery, equipment, plants, special tools and accessories are being largely imported. Therefore, NTTM envisages indigenous manufacturing of machinery, equipment, tools and testing instruments for Technical Textiles on Make in India concept. Novel proposals are invited from Companies engaged in manufacturing of any machinery (preferably Textile machinery), Textile/Garment value chain manufacturers, Research organisations, Academic institutions (both public funded and private). [Read More.](#)

- Ministry of Textiles, Government of India organized curtain raiser event for Technotex 2023:** Ministry of Textiles, Government of India organized curtain raiser event for Technotex 2023 in Mumbai on 5th December 2022. India's premier show on Technical Textiles - 'Technotex 2023' will be held in Mumbai from 22nd to 24th February 2023. The event is being organized by the Ministry of Textiles, Government of India in collaboration with Federation of Indian Chambers of Commerce Industry, under National Technical Textiles Mission (NTTM).

the Union Minister of State for Textiles Darshana Jardosh said Technotex 2023 offers a good opportunity for Startup Entrepreneurs who represent the fastest-growing category worldwide. he Union Minister further said that the Technotex 2023 is being organised at the most opportune time when India has assumed G-20 Presidency. [Read More](#)



- Ministry of Textiles issued 'General Guidelines for Enabling of Academic Institutes in Technical Textiles- for Private & Public Institutes', under NTTM:** The Ministry of Textiles has given clearance the 'General Guidelines for Enabling of Academic Institutes in Technical Textiles- for Private & Public Institutes'. The clearance was given during a Meeting of the

Empowered Programme Committee (EPC), informed Secretary Textiles, Smt. Rachna Shah, during a press interaction held on 5th January 2023.

The guidelines will enable New Technical Textiles Degree Programme (UG & PG) and updating of existing conventional degree programmes with new papers of Technical Textiles. The Guidelines cover the funding of upgradation/enhancement of laboratory equipment, training of lab personnel and specialized training of Faculty members of the relevant department/specialization in the University/Institute, with respect to the undergraduate (UG) and Postgraduate (PG) degree programmes. The online applications may be submitted on the dedicated online education application portal under <http://nttm.texmin.gov.in/> only, from the date of opening of portal (10th January 2023) till 2nd March 2023 (17.00 hrs). [Read More](#)



- Ministry of Textiles issued 'General Guidelines for Grant for Internship Support in Technical Textiles (GIST)', under NTTM:** The Ministry of Textiles has given clearance 'General Guidelines for Grant for Internship Support in Technical Textiles (GIST)', under the Flagship Programme of National Technical Textiles Mission (NTTM). The clearance was given during a Meeting of the Empowered Programme Committee (EPC), informed Secretary Textiles, Smt. Rachna Shah, during a press interaction held on 5th January 2023.

The implementation of General Guidelines for Grant for Internship Support in Technical Textiles (GIST) shall be conducted in two

phases, (i) Empanelment of the eligible Companies, (ii) Internship Program, wherein the grant of upto INR 20,000 per student (B.Techstudentsin2nd/3rd/4th Year of the relevant Departments/ Specializations of eligible private/ public institutes) per month shall be provided to the empaneled companies, subject to the maximum period of 2 months of funding support for internship period. The applicant companies may submit their applications by cut-off date 23.02.2023.

[Read More](#)



- 89 research proposals valuing Rs.265 cr approved under National Technical Textile Mission (NTTM) for speciality fibre and technical textile- Year-End- Review of Department of Textiles– 2022:** Under NTTM, 89 research proposals valuing Rs.265 cr have been approved in the category of speciality fibre and technical textile. For market development and promotion of technical textiles, 4 major conferences have been organised viz. (i) International conference with CII in Delhi on 12/03/22, (ii) Conference on Geotech and Agrotech with ICC at Imphal on 23/08/2022, (iii) National conclave on protective textiles on 16/11/2022 at Delhi and (iv) International conference with CII and Govt. of TN on 25-26 November 2022 in Chennai.

31 new HSN codes have been developed in the technical textiles sector. SRTEPC have been assigned the role of export promotion council for technical textiles. [Read More](#)

Global News

- Bangladesh-Turkiye Business Forum to synergise textile sector:** Bangladesh-Turkiye Business Forum (BTBF) launched formally may synergise the textile sector of the 2 countries. The emerging textile powers can utilise mutual expertise to expand their footprint in the global market. Presently, Turkiye is a net importing country for apparel and yarn in bilateral trade with Bangladesh, while it exports fibre and fabric to it. The countries have launched BTBF to facilitate and increase bilateral trade and investments. Both countries are major textile exporters. [Read More](#)
- Around 300 textile industry plants to comply with new EU legal norms:** Some 300 textile industry and 3,000 chemical plants in the European Union (EU) will have to comply with new legal norms adopted under the EU Industrial Emissions Directive to reduce their environmental impact. The new legal norms estimate existing installations to take four years to adapt, while new facilities are required to comply immediately. The new European Commission Decisions refer to the management and treatment of waste gas in the chemical sector and a series of activities in the textile industry. [Read More](#)
- Germany's TecStyle Visions 2023 to display textile finishing products:** TecStyle Visions, Europe's leading trade show for textile finishing and promotion, will be presenting as part of EXPO 4.0. at the Stuttgart trade fair centre in Germany from March 30–April 1, 2023. Across 20,000 square meters of exhibition area, national and international companies will present their products related to textile finishing. [Read More](#)
- FibreTrace's new digital solution to map global textile supply chain:** FibreTrace, a global leader in traceability technologies,

has released FibreTrace Mapped, a free advanced digital traceability solution for the textile industry, which maps the global textile supply chain from fibre to retail. The platform provides transparency in one easy to use, globally accessible platform with no fees attached, eliminating the barrier to transparency for producers, manufacturers, brands, and retailers. [Read More](#)

- **Global textile industry capacity increases in 2021: ITMF:** According to a recent report by the International Textile Manufacturer Federation (ITMF), the global number of installed short-staple spindles has grown from 219 million units in 2020 to 225 million units in 2021. The number of installed open-end rotors slightly increased from 7.9 million to 8.3 million. These positive trends contrast with the previous years, mainly because capacities are growing in Asia and Oceania again, led by China. [Read More](#)
- **Hohenstein launches new textile testing lab in Shanghai:** Germany-based testing service provider Hohenstein has further expanded its international network by opening another laboratory in Shanghai, China. Starting in the first quarter of 2023, the new textile laboratory in the Pudong District industrial park will supplement the Hong Kong laboratory capacity with testing and on-site inspection services in the hot spots of textile production. [Read More](#)
- **ITMA 2023 to gather over 1K exhibitors from 42 countries in Milan:** ITMA 2023, the world's largest international textile and garment technology exhibition, will be held at Fiera Milano Rho, Milan from June 8–14, 2023, according to a press release by event organiser ITMA Services. ITMA 2023 is set to gather a strong presentation in Milan, Italy with over 1,570 exhibitors from 42 countries. [Read More](#)
- **Recognition for new route to cellulose fibres:** The 2022 Marcus Wallenberg Prize of SEK 2 million (approximately €182,000)

has been awarded to Professors Ilkka Kilpeläinen and Herbert Sixta for the development of novel ionic liquids to process wood biomass into high-performance textile fibres. [Read More](#)

- **COP 27 commitment to new fibres:** Leading companies including H&M, Inditex, Ben & Jerry's, Stella McCartney, HH Global and Kering have announced a collective commitment to purchase over half a million tons of regenerated cellulosic and other alternative fibres for fashion textiles and paper packaging at COP 27. [Read More](#)

India Updates

- **Punjab secures investments worth over INR 3200 crore in textiles:** The Punjab government has successfully secured investments worth more than ₹3,200 crore in textiles, technical textiles, and apparel in the last nine months. The multi-crore investment secured in the textile sector is likely to create employment opportunities for more than 13,000 skilled workers in the sector. [Read More](#)
- **India increases textiles rates under RoDTEP:** industry hails decision: India has increased the rates of textile goods under Remission of Duties and Taxes on Exported Products (RoDTEP) Scheme. Based on recommendations from the RoDTEP committee, the Indian government has introduced changes in 432 HS codes to make the industry more competitive and has increased the rates to refund up to triple the previous rates. As per the government notification, the cotton woven fabric is eligible for 4.3 per cent RoDTEP rate while the cotton knitted fabrics are extended by only 1 per cent. [Read More](#)
- **India's Technotex 2023 to host global technical textiles' fraternity:** India's Technotex 2023 will be held from February 22-24, 2023, at Bombay Exhibition Centre in

Mumbai. The 10th edition of the technical textiles flagship event, which comprises an international exhibition, conference, and seminars, is being organised by India's ministry of textiles and the Federation of Indian Chambers of Commerce and Industry (FICCI). Technotex is one of the largest composite events of the technical textile industry of the Asia-Pacific region. [Read More](#)

- **PHDCCI's international conference on technical textiles on February 15th, 2023:** With prime focus to capture the potential of Indian technical textiles and position the country as a global leader in the field, the PHD Chamber of Commerce and Industry (PHDCCI) is going to organise the 'International Conference on Technical Textile and B2B Exhibition, on February 15, 2023. Fibre2Fashion will be the Knowledge Partner for the conference. The purpose of the conference is to enable and initiate a multi-stakeholder group which improves domestic manufacturing and evolving commercial industry, which fosters technical textiles. [Read More](#)
- **Indian govt releases draft PLI 2.0 for apparel & home textiles:** The ministry of textiles, Government of India, has released a draft on second round of production-linked incentive (PLI 2.0) scheme for the textile sector. The draft states that textile units can produce apparel, home textiles and textile accessories like embellishments, zippers, trimmings, and elastic tapes (under HS codes 61, 62 and 63) under the scheme. [Read More](#)
- **India-Australia Economic Cooperation and Trade Agreement (ECTA) has come into effect from December 29, 2022:** The India-Australia Economic Cooperation and Trade Agreement (ECTA) has come into effect from today, i.e., December 29, 2022. Australia is the largest importer of apparel in the southern hemisphere, and the ECTA would bring a big relief to Indian clothing

exporters as it will do away with the 10 per cent customs duty applicable earlier. India will benefit from preferential market access provided by Australia on 100 per cent of its tariff lines, including all the labour-intensive sectors of export interest to India like textiles, leather and footwear. [Read More](#)

- **India ITME 2022 showcases over 1,600 machines & 69 products:** The India International Textile Machinery Exhibition (ITME) 2022, a leading textile engineering and technology B2B exhibition hosted at India Expo Centre and Mart in Greater Noida, UP, showcased over 1,600 machines and unveiled 69 new products with participation from 68 countries. Around 87,400 unique visitors, totalling 1,10,000 footfalls over six days, enjoyed an array of activities at the venue. The event was inaugurated on December 8, 2022. [Read More](#)
- **India's Haryana state approves AatmaNirbhar Textile Policy 2022-25:** India's Haryana state cabinet approved a new AatmaNirbhar Textile Policy 2022-25 that aims to attract investment worth INR 4,000 crore and generate 2 lakh jobs. The new policy will promote value-added production with suitable policy interventions to harness the potential of the entire textile value chain in the state.

The policy aims at fostering an ecosystem of self-reliance and innovation by offering a robust incentive framework for backward integration, enhanced production of man-made fibres, promoting circular economy, attracting investments in weaving, knitting, processing, ready-made garments, apparel making, technical textiles, integrated units, textile parks and textile clusters. [Read More](#)

Technological advancements

- **Made in the USA recycled nylon 6.6:** Nilt has launched a new version of Sensil EcoCare, its recycled nylon 6.6, that is made completely from US materials at its North American facility in Martinsville, Virginia. The new Made in USA Sensil EcoCare is compliant with the Berry Amendment, USMCA (United States-Mexico-Canada Agreement) and CAFTA (United States-Mexico-Canada Agreement) and is available in a wide variety of fibres and yarns for circular knit, warp knit, seamless and woven applications. [Read More](#)
- **Embedded solar cells bring power to fabrics:** Research overseen by Dr Theodore Hughes-Riley, associate professor of Electronic Textiles at the Nottingham School of Art and Design in the UK, has led to the development of a woven textile embedded with 1,200 photovoltaic cells. The cells combined together are capable of harnessing 400 milliwatts (mWatts) of electrical energy from the sun – sufficient to charge a basic mobile phone or smartwatch. [Read More](#)
- **Nanotube-coated yarns for conductivity:** High demand for interactive electronic textiles has encouraged the Italian producer of technical-industrial yarns CoatYarn to expand with a new product range – thermoplastic polyurethane yarns enhanced with graphene nanotubes by OCSiAl. This solution is widely applicable in various electrostatic-sensitive sectors such as healthcare, mining and oil and gas. One of the end market applications is electroconductive textile gloves with touch-screen functionality that can be used by the operators of machines. [Read More](#)
- **Premium nonwoven with unique tri-layer structure:** Suominen has launched a unique tri-layer nonwoven, which delivers an exceptional combination of strength and

softness. FibrellaStrata is a premium product that can be used in various applications. The product maintains the pattern when wet to help enhance its cleaning performance and bulk softness. [Read More](#)

- **Sustainable alternative to PVC-coated fabrics:** For decades companies have been trying to replace harmful PVC-coated fabrics with a more sustainable polymer. Although there are alternatives available they are generally too costly to compete with PVC coated fabrics. Rivertext Technical Fabrics Group, based in Culemborg, The Netherlands, a specialist in coated and laminated fabrics and films, has managed to overcome this with its new Rivercyclon, a non-toxic, recyclable, lightweight and cost effective alternative to PVC-coated fabrics. [Read More](#)

Articles on Technical Textiles

- **The Future of Nonwoven Fabric:** By David Birnbaum

“Nonwoven fabric is perhaps the textile industry’s most important new development in generations. Going forward, those who commit the time, effort and the capital will be the future industry leaders. This is no exaggeration!”

For years nonwoven textiles was the orphan of the industry, limited to felt hats, interlining and pool-table covering. Today the market is just beginning to recognise the advantages of nonwoven fabric. Truly it will bring a new dimension to textiles. If the first Industrial Revolution began with textiles, nonwovens has the potential to bring the second. It is because with nonwovens, production is much less complex and at substantially reduced cost”. [Read More](#)

- **Latest In Fabric Formation Technologies:** By Adrian Wilson

“Ahead of the forthcoming Tectextil exhibition in Frankfurt from June 21-24, JEC World, held in Paris from May 3-5, highlighted how the composites industry has influenced many recent advances in fabric formation technologies for technical textiles.

Innovation in fabric forming techniques over the past 20 years has been significantly driven by the need for advanced reinforcements and structural components for the composites industry. 3D weaving, braiding, multiaxial knitting, and most recently, automated fibre placement (AFP) and automatic tape laying (ATL) are technologies which are all now being widely employed in this field, with a major aim being to reduce waste – especially with expensive carbon fibre”.

▪ **Agrotextiles - A New Alternative For Agriculture Protection:** By Fibre2Fashion

“When the climate conditions are not favorable for plant growth, we try to change this environment and make it appropriate for the culture. The most usual technique for this is building a greenhouse or tunnel lined with plastic or other material. Thus, we change the environment helping the plant to grow better. As a result, this environment has not only the appropriate soil, available water, but also a favorable climate.

Today, there are many options available in the market referring to types of structures and materials that may be used to cover these structures. However, all the materials used until now to protect the plants need some structure or support in order to avoid the contact of this material (plastic, screen etc.) with the plant, which represents an investment, generally with high cost. Due to constant studies, we already have another material, which can change the climate conditions and may be placed directly over the plant without needing any support this is the "nonwoven" of polypropylene or Agrotextile”.

Case Study: Technical Textiles' Trade Dynamics

Indian Technical Textiles market is the 5th largest in the world and is rapidly growing, both in terms of value and output. To further drive the technical textiles sector and to provide any fiscal support to the sector, monitoring of the data of import and export holds paramount importance.



In this regard, the first step was to recognize and notify separately the technical textiles items spread from chapter 1 to 99 of HSN classification book. In absence of clear classification of technical Textiles, there was confusion, and many genuine manufactures were not getting various incentives being allowed to technical textile Sector by Central and State Governments.

To fulfill long-standing demand of industry to declare Technical Textile items as separate category, Government of India had notified 207 HSN Codes as Technical Textiles in January 2019. List of 207 HSN Lines are bifurcated into different application areas including:

| S. No. | Technical Textiles | Number of HSN Codes |
|--------|---------------------------------|---------------------|
| 1 | Agrotech | 7 |
| 2 | Buildtech | 10 |
| 3 | Clothtech | 31 |
| 4 | Specialty Fibres and Composites | 1 |
| 5 | Geotech | 6 |
| 6 | Homotech | 21 |
| 7 | Indutech | 64 |
| 8 | Meditech | 13 |
| 9 | Mobiltech | 23 |
| 10 | Packtech | 4 |

| | | |
|--------------------|----------|------------|
| 11 | Protech | 9 |
| 12 | Sportech | 18 |
| Grand Total | | 207 |

The total exports of 207 HSN Codes have grown from USD 2.18 billion in 2020-21 to USD 2.84 billion in 2021-22 with y-o-y growth rate of 30.5%, while the imports have grown from USD 1.7 billion in 2020-21 to USD 2.46 billion in 2021-22, with y-o-y growth rate of 44.6%.

Out of 207 HSN Codes, 12 HSN Codes account for USD 1 Bn (~50%) of India's Technical Textiles Imports. Out of these 12 categories, India has been increasingly import dependent for 8 high-value Technical Textiles products. These include:

| HSN Code | Product Description |
|----------|---|
| 87089500 | Parts and accessories of the motor vehicles of headings 8701 to 8705 : Other parts and accessories : Safety airbags with inflater system; parts thereof |
| 59032090 | Other Fabrics Impregnated Laminated Plated And Coated With Polyurethane |
| 59039090 | Other Fabric Plated Laminated Coated Impregnated With Other Plastics |
| 59031090 | Other Fabrics Impergnated, Laminated Plated And Coated With PVC |
| 59021090 | Tyre cord fabric Of nylon or other polyamides: Others |
| 54022090 | High Tenacity yarn of nylon or other polyester (others and Texured yarns) 206 |
| 56039400 | Non wovens Other: Weighing More Than 150 g/sqm |
| 59021010 | Tyre Cord Fabric Of High Tenacity Yarn Of Nylon Or Other Polyamides: Impregnated With Rubber |
| 57032090 | Carpets and other textile floor coverings, tufted, whether or not made up : Of nylon or other polyamides : Other |
| 56039200 | Non wovens Other: Weighing Between 25 g/sqm And 70 g/sqm |
| 54021990 | High Tenacity yarn of nylon or other polymer (others) (Less than 840 Denier) |
| 53101012 | Unbleached: Containing 100% By Weight Of Jute: Sacking Fabrics |

Subsequently, various new HSN Codes were added to the HSN Classification book through New (Seventh) edition of the harmonized System (HS) nomenclature HS-2022 which came into force on 1st January 2022 and Finance Bill 2022 which came into force on 1st April 2022.

Forthcoming Events

January 2023

- International Conference & Exhibition on Reinforced Plastics (ICERP) 2023, 18th - 20th January 2023 at Bombay Exhibition Centre, Mumbai
- Wearables Expo 2023, 25th Jan, 2023 to 27th Jan, 2023, Tokyo, Japan

February 2023

- Geosynthetics Conference 2023, 5th February 2023 to 8th February 2023, Kansas, United States of America
- IGS North America-Geosynthetics 2023, 5th February 2023 to 8th February 2023, Missouri, United States of America
- International Conference on Technical Textiles & B2B Exhibition, 15th February 2023 to 15th February 2023, New Delhi, India
- TECHNOTEX INDIA 2023, 22nd February 2023 to 24th February 2023, Mumbai, India
- Introduction to Spunbond and Meltblown Technology 2023, 28th February 2023 to 3rd March 2023, Raleigh, United States of America
- Grass Yarn & Tufters Forum 2023, 28th February 2023 to 2nd March 2023, Spain, United States of America

March 2023

- ANDTEX 2023- Southeast Asia Nonwovens and Hygiene Technology Exhibition & Conference, 1st Mar, 2023 to 3rd March 2023, Bangkok, Thailand
- ICE Europe 2023, 14th March 2023 to 16th March 2023, Munich, Germany
- Expomed Eurasia 2023, 16th March 2023 to 18th March 2023, Istanbul, Turkey

- Yarn Expo, 28th to 30th March 2023, Shanghai, China

April 2023

- Smart Fabrics Summit 2023, 11th April 2023 to 12th April 2023, Raleigh, United States of America
- INDEX™ Geneva 2023, 18th April 2023 to 21st April 2023, Geneva, Switzerland
- JEC World 2023, 25th April 2023 to 27th April 2023, Paris, United States of America

May 2023

- Techtexil North America 2023, 10th May 2023 to 12th May 2023, Atlanta, United States of America

June 2023

- JEC Forum ITALY 2023, 6th June 2023 to 7th June 2023, Bologna, Italy
- Aircraft Interiors Expo, 6th to 8th June 2023, Hamburg, Germany
- ITMA 2023: 'Transforming the World of Textiles', 8th-14th June 2023, at Fiera Milano RHO exhibition center, Milan, Italy
- Nonwoven Product Development & Innovation 2023, 20th June 2023 to 23rd June 2023, Raleigh, United States of America



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To access the detailed guidelines under the NTTM Scheme for Technical Textiles, please scan the QR Code