



ANNOUNCEMENT

**ITTA IS ORGANISING THE NATIONAL CONCLAVE ON
“THE FUTURE OF SPORT TEXTILES AND
ACCESSORIES INDUSTRY IN INDIA”**

2nd June 2023 | Hotel Shangri-La Eros, New Delhi

- **CENTRE APPROVES PM MITRA TEXTILE PARKS IN 7 STATES**

- **MOT PROVIDED SKILL TRAINING TO 1.50 LAKH WORKMEN UNDER SAMARTH SCHEME**

- **CENTRE INCREASED RS. 900 CR. BUDGET OUTLAY FOR ATUFS**

- **UGC DIRECTED TEXTILE INSTITUTES TO DEVELOP TECHNICAL TEXTILE CURRICULUM**

National Technical Textiles Mission (NTTM) Ministry of Textiles, Government of India

Presents

NATIONAL CONCLAVE ON SPORTECH - The Future of Sport Textiles and Accessories Industry in India

2nd June, 2023 | Venue: Hotel Shangri-La Eros, New Delhi

The Sports Industry in India comprises of apparels, sports nutrition, sports equipment, etc., which is likely to grow five times to reach a market value of \$100 billion by 2027 from \$27 billion in 2020. The Indian Sport apparel market was worth \$14 billion in 2020 and is estimated to grow to \$21 billion by 2023. At the same time, The Global Market is also growing at a CAGR of more than 5.0% during FY 2019-2023 and is projected to reach US\$149 Billion by 2023. This conclave will focus on various growth opportunities in the value chain, innovative technology & product development and Standardisation that will help Indian Sportech industry to grow rapidly in coming years.

THE CONCLAVE WILL HAVE CONFERENCE & EXHIBITION:

Conference Sessions-

- Products, Market, Growth & Export-Import of Sports Textiles
- Gap analysis & Future requirements of Sportech products
- Sports Goods and Accessories: Coated fabrics, Nets, Composites and Rubber Products
- Sports Composites
- Sports Apparel and Supply Chain Management
- Standards on Sports Textiles and Certification processes
- Latest Sportech Technology & Machinery



Exhibition-

Leading Sportech product manufacturers, COEs, EPCs and Trade Associations will showcase their innovative products & services in the exhibition. Delegates will acquire knowledge on Sportech industry and will get networking opportunity with them as well as with senior govt. officials.

Registration: No participation fee will be charged to attend the Conclave, but pre-registration is mandatory to attend the conference.

MEDIA PARTNERS



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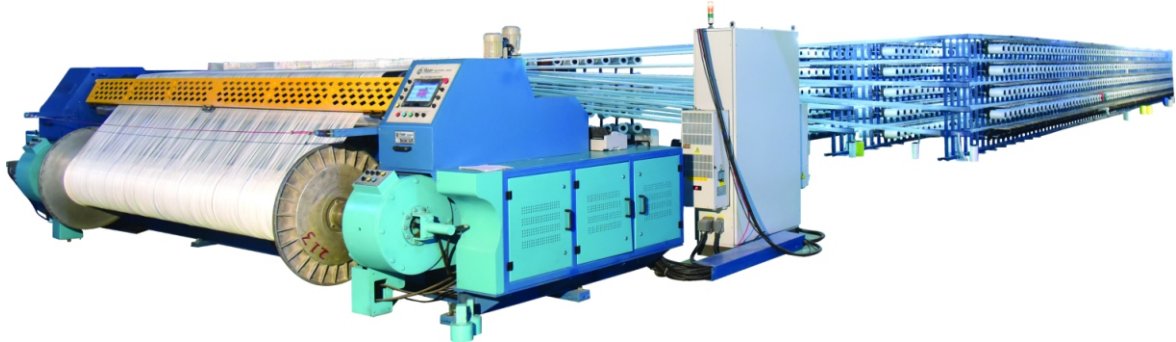
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- A GLOBAL REACH -

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- *Collective Protection*
- *Load Carrying fabric*
- *Geosynthetics*



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German Delegation to India: Technical Textiles

Indo-German Chamber of Commerce (IGCC) organized “A DIGITAL GERMAN TECHNICAL TEXTILE DELEGATION TO INDIA” from 13th - 17th March 2023 through Digital Platform. This event was supported by Indian Technical Textile Association (ITTA) as the Knowledge Partner. The event was in collaboration with the SBS systems for business solutions, on behalf of the German Federal Ministry for Economic Affairs and Climate Action (BMWK).

A delegation of 8 German companies from the technical textile industry - Oppermann Group, Sanders-Kauffmann GmbH, ZSK Stickmaschinen GmbH, Norafin Industries GmbH, Dienes Apparatebau GmbH, Trutzschler Nonwovens GmbH, Tailorlux GmbH and Iprotex GmbH & Co. KG were part of this event. These participating German companies are interested in building up a local network and want to initiate business activities in the Indian market, and thus looking for business co-operations with Indian companies. The event was held from 14th to 17th March 2023.

A. PRESENTATION EVENT

A Presentation Event was planned on 14th March 2023 where the German companies showcased their innovative & advanced technologies and solutions in the technical textile industry. The delegates were from Indian technical textile industry and representatives from German government bodies in India & Germany. Shri. Amit Agarwal, Chairman, ITTA was invited to give a welcome address and Introduction about ITTA in the event. The German speakers were Stephanie Baum, German Federal Ministry for Economic Affairs and Climate Action (BMWK), Dr. Stephan Hesselmann - Minister Counsellor, Economic Affairs, German Embassy, Stefan Halusa, Director General, Indo-German Chamber of Commerce. Two important presentations were also made from Mrs. K. Sunitha (IAS), Principal Secretary to Government of Andhra Pradesh on “Advantage Andhra Pradesh - Technical Textiles” and Shri. Stefan Schmidt, Industrial Association of Finishing, Fabrics, Yarns and Technical Textiles (IVGT), Germany on “Developments and State of the art in German Technical Textiles Technology”.

B. INFO SESSION - "THE INDIAN TEXTILE SECTOR"

The Information Session on "The Indian Textile Sector" was organized by ITTA on 15th March 2023 only for German companies covering the Technical Textile sector in India and Overview of major sub-segments such as Medical Textiles, Composites and Protective Textiles.

Presentations from ITTA and its Members during the session -

1. Dr. Anup Rakshit, Executive Director, ITTA spoke about the “Investment Potential & Growth Opportunity of Technical Textile Industry in India”. He highlighted the key initiatives taken by MoT, GoI such as NTTM, PLI, PM MITRA Textile Parks, HSN Codes, Quality Control Order for technical textile (TT) products, etc. He further explained about ITTA's analysis on the implemented investments for technical textiles from DPIIT website which has shown a steady growth in the investment in India. Industry has done a major investment in Packtech, Meditech, Buildtech & Hometech segments. He also pointed out the opportunities in India for technical textiles i.e., Agrotextiles, Buildtech, Geotech, Automotive textiles, Smart textiles, TT machinery & technology, Use of natural fibres, to develop recycling technology, Import Substitution - to reduce imports by producing the following TT products locally - airbags, fabrics laminated & coated with PU & PVC, Oil or petrol filters, tyre cord fabric of high tenacity yarn of nylon or other polyamides, glass rovings, etc.

2. Dr. Dhaval Patel, Nikol Advance Materials Pvt. Ltd. presented the topic on “Composites in India - An Overview”. He stated that Indian composites market is expected to reach an estimated \$1.9 billion by 2026 with a CAGR of 16.3% from 2021 to 2026 and Indian consumption of composite materials will touch 7,68,200 tonnes in 2027. He further emphasized on the growth areas such as = a) Defence & Aerospace - procurement upto USD 27 million is reserved for domestic industry under Make In India, FDI increased to 73% from 49%, Defence export is expected to reach USD 5 billion in FY 2024-25, b) Rail & Metro Trains - India needs 1700 metro cars by 2025, mandatory to procure minimum of 75% of train cars & minimum of 25% of

critical equipment & sub-systems from within the country, c) Wind Energy - India expected to add 19.6 GW wind power by 2025 and d) Automotive - 12 to 13 million new 2W EVs & 1 million new 4W PVs being sold in India annually by 2030.

3. "An Overview: Protective Textiles" was presented by Shri. D. Devadas, Loyal Textiles Mill Ltd. He pointed out that India's Protective Clothing Market is projected to grow at CAGR of 4.99% to attain a market size of US\$ 341 million in 2027 from US\$ 242 million in 2020. He talked about the latest developments in protective textiles from Loyal are infrared coated textile, sleeping bags, defence uniforms, Inherent fire-resistant suits with High Visibility, anti-static and splash/ stain resistant properties, etc. Indian Technical/ Protective Textile Industry is growing and offers a lot of opportunities for German companies to market their machinery & export their raw materials to finished goods. Many of technical textile manufacturers in India are looking for collaborations with German Industries for technical know-how, raw materials, intermediaries and fabrics as well for garmenting & Joint Ventures in India to manufacture and export Protective Textiles to Germany and other countries.

4. Shri. Amit Kumar, Surgeine Healthcare (India) Pvt. Ltd. talked about the "Overview: Medical Textiles". He informed that Indian Market for drapes and gowns is approx. 9.71 million USD in 2022 & is expected to grow at 15% to reach 22.45 million USD by 2027. He mentioned the manufacturing aspects like Availability of quality raw material - SMS, SMMS, SMMMS, SSMMS fabrics, laminate fabrics, PE films, high-end technical fabrics, etc., Setting up of robust standards & regulations - implementation of MDR 2017 in India, introduction of IS 17334, testing

facilities for drapes & gowns, Timely delivery - shorter delivery time for raw material, availability of skilled & unskilled manpower and Infrastructure & Government initiatives.

C. B2B MEETINGS

Between 15th to 17th March 2023, Individual B2B meetings were organized between German & Indian companies for business talks and to become the potential partners in India. Number of ITTA members participated in the B2B meetings such as Garware Technical Fibres Ltd., Shingora Textiles Ltd., NEL Lifecare Products India Pvt. Ltd., PRN Techtext Pvt. Ltd., Gokaldas Exports Ltd., WMW Metal Fabrics Ltd., Entremonde Polycoaters Ltd. and Loyal Textiles.

D. INFORMATION SESSION - "INDIAN TEXTILE EXCELLENCE: RESEARCH AND RECENT DEVELOPMENTS"

On 17th March 2023, the Session on "Indian Textile Excellence: Research and Recent Developments" was organized for the German companies only with COEs in India to give an overview on the research topics, innovation and upcoming areas of interest for India. The session was moderated by Dr. Anup Rakshit, ITTA wherein following technical textile topics were presented - a) Research on Medical Textiles by Dr. E. Santhini, In-charge of Division, CoE-Medical Textiles, The South India Textile Research Association (SITRA), b) Research on Protective and Automotive Textiles by Dr. M S Parmar, Professor and Director, Northern India Textile Research Association (NITRA) and c) Research on Composites by Shri. Pragnesh Shah, Director and Ms. Deepali Plawat, Deputy Director, Ahmedabad Textile Industry's Research Association (ATIRA).

Textile Leadership Conclave & Interactive Meet organised by GCCI at Ahmedabad

Gujarat Chamber of Commerce & Industry (GCCI) has organized the second edition of Textile Leadership Conclave 2023 on 08th April, 2023, at Ahmedabad. The event provided a platform for discussing the needs and issues of the textile industry. The conclave was inaugurated by Shri. Bhupendrabhai Patel, Hon'ble Chief Minister, Govt. of Gujarat and graced by Shri. Harshbhai Sanghavi, Hon'ble Home Minister, Govt. of Gujarat.

Textile Interactive Meet was organised during the Textile Leadership Conclave in the presence of Smt.

Darshana Jardosh, Hon'ble Union State Minister of Textiles & Railways interacted with all textile associations on various issues on textiles, including Technical textiles. Senior officials of 78 textile associations from all over India participated the meeting and presented the various industry issues and expectations from the central and state govts. Five industry leaders made presentations on their Success Stories of their business & learnings in the Leadership Conclave. They were from Arvind Mills, Citizen Umbrella, Technocraft Inds., TT Ltd & Wazir Advisors.

Shri. Amit Agarwal, Chairman, Shri. Avinash Misar, Vice Chairman and Dr. Anup Rakshit, Executive Director, ITTA attended the Textile Interactive Meeting. ITTA also represented all the issues on technical textile industry such as

- a) No Domestic manufacturing of High tech fibers used in TT like Nylon 6.6, Meta & Para Aramids, UHMPE, etc. Increase availability of Glass, Carbon, other metallic fibres. To recommend that import duty to be removed.
- b) Many chemicals used for Textile Finishing including adhesives are not manufactured locally.
- c) ATUFS scheme has ended in 31st Mar 2022. Similar incentive scheme should be introduced.
- d) Largely dependent on imports for technology & import TT machinery from various countries. Need to attract foreign players to invest in TT machinery in India which will encourage domestic TT manufacturing.
- e) Funds of TT companies are pending under TUF Schemes. Recommend to release the funds at the earliest.
- f) No original IP by any research organization has been commercialized even to Medium scale in country in TT.
- g) Mandatory use of TT products in specific applications. But implementations of mandatory 92 applications by other user Ministries have not taken place so far. Urgent need of monitoring system at inter-ministerial level to implement this.
- h) To update Nodal Officers list in every Ministry for expanding use of TT in respective areas.
- i) All TT items should get benefits of RoDTEP scheme more than the regular textile products.
- j) Only 207+52 TT items were approved in Feb 2019 & May 2022. But still many TT products are not covered in this List. Recommend to include remaining TT products in this list.
- k) All BIS Standards should have reference of HSN Codes of TT products.

l) To update & prepare the new IS standards for all TT products for wider use & adoption under Quality Control Order.

m) Setting up of High Class Sophisticated Testing Lab for TT products with certification facilities.

n) In State Textile Policy, increased %age of incentives can be given to TT industry to encourage investments.

o) Exemption/ concession in land premium on allotment of land in Industrial areas/Industrial parks.

The discussions during the Textile Interactive Meet covered many textiles related issues like i) Textile industry leaders shared their concerns & suggestions about bringing synergy in industry, & why Govt. should pay heed to issues related to MMF, bamboo fibre, incentive, subsidies, removal of import duty on cotton, levy a common GST duty across all fibres, technology for enhancing the productivity of RM & ways to improve workforce training by imparting necessary skills & knowledge of textile industry, ii) Requested to separate Solar & Wind renewable power policy which would help the industry prepare for global competition, iii) Textile industry has made very good progress on Sustainability and circular economy, iv) On TUF schemes, Hon'ble Minister said that Central Govt. is taking initiatives for development of Textile sector including TT. Govt. has resolved a number of cases from old TUF scheme but about 1,500 cases are still pending. TUF scheme ended in March 2022 & a new scheme cannot be operationalised till these old cases are resolved. Govt is working on a new scheme and it will also focus on supporting development of textile & TT machinery, v) Seven PM MITRA are being established in various states. One park at Navsari in Gujarat has been approved. These PM MITRA parks will reduce logistics cost, provide common facilities and will have ease of operations, vi) Govt. is taking measures to raise cotton yield and quality of seed and vii) To create a common platform consisting of all about 80-90 textile associations across India so that all the regional & common issues can be represented to central & state govts in a consolidated manner.

EXPORT-IMPORT PERFORMANCE OF TECHNICAL TEXTILE PRODUCTS OF JANUARY 2023

(ITTA Analysis on Ministry of Commerce and Industry Data)

The data on export and import of 215* technical textile products/items is published as an indicator of foreign trade performance of technical textile industry in India.

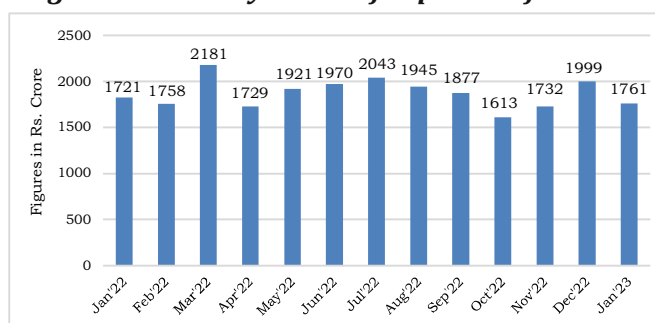
A. EXPORT PERFORMANCE

(Value in INR Cr.)

Sr. No	Segments	Jan 2022	Jan 2023	% Growth	Apr'21-Jan'22	Apr'22-Jan'23	% Growth
1	Agrotech	69	81	16%	581	694	19%
2	Buildtech	75	72	-4%	723	751	4%
3	Clothtech	27	24	-13%	272	253	-7%
4	Geotech	182	123	-32%	2059	1160	-44%
5	Hometech	18	17	-6%	212	196	-8%
6	Indutech	277	290	5%	2553	2795	9%
7	Meditech	173	195	12%	1419	2251	59%
8	Mobiltech	185	173	-7%	1396	1677	20%
9	Packtech	697	549	-21%	6862	6452	-6%
10	Protech	39	48	25%	422	632	50%
11	Sportech	98	91	-7%	783	920	18%
12	Nonwovens	124	98	-21%	1413	1091	-23%
	GRAND TOTAL	1964	1761	-10%	18695	18872	1%

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 show that from the month of October to December 2022 the export started growing rapidly, but then there was a decrease in the month of January 2023.

Top Ten Exported Products in Month of Jan'23

SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	63053200	Flexible Intermediate Bulk Containers (FIBC)	504
2	56074900	Other cordage of Polyethylene/ Polypropylene	81
3	59039090	Other fabric plated, laminated, coated, impregnated with other plastics	80
4	84212300	Oil or petrol-filters for internal combustion engines	59
5	87089500	Safety airbags with inflator system	56
6	40093100	Tubes, Pipes and Hoses of Vulcanised Rubber Reinforced/ Otherwise combined only with Textile Materials without fittings	47
7	59031090	Other Fabrics impregnated, laminated, plated, and coated with PVC	47
8	56012110	Absorbent Cotton Wool	44
9	53101013	Jute Hessian fabrics	43
10	59029010	Other Tyre cord fabric impregnated with rubber	41

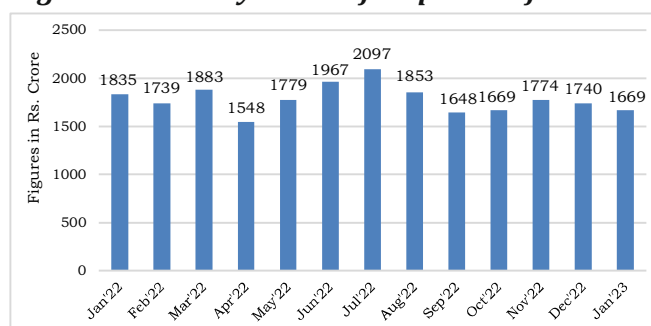
B. IMPORT PERFORMANCE

(Value in INR Cr.)

Sr. No	Segments	Jan 2022	Jan 2023	% Growth	Apr'21-Jan'22	Apr'22-Jan'23	% Growth
1	Agrotech	32	37	15%	366	341	-7%
2	Buildtech	202	196	-3%	1454	1898	31%
3	Clothtech	31	22	-28%	267	281	5%
4	Geotech	232	130	-44%	1458	1164	-20%
5	Hometech	36	34	-3%	320	331	3%
6	Indutech	340	313	-8%	3250	3494	7%
7	Meditech	139	144	3%	1009	1261	25%
8	Mobiltech	576	436	-24%	5432	5543	2%
9	Packtech	50	62	24%	525	527	1%
10	Protech	62	86	39%	657	847	29%
11	Sportech	37	43	15%	281	484	73%
12	Nonwovens	197	166	-16%	1824	1820	0%
	GRAND TOTAL	1934	1669	-14%	16843	17991	7%

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

Figure 2 - Monthly Trend of Import Performance



As per above data, the import of TT products has registered a steady growth from September to November 2022, then it started decreasing in month of December to January 2023.

Top Ten Imported Products in Month of Jan'23 -

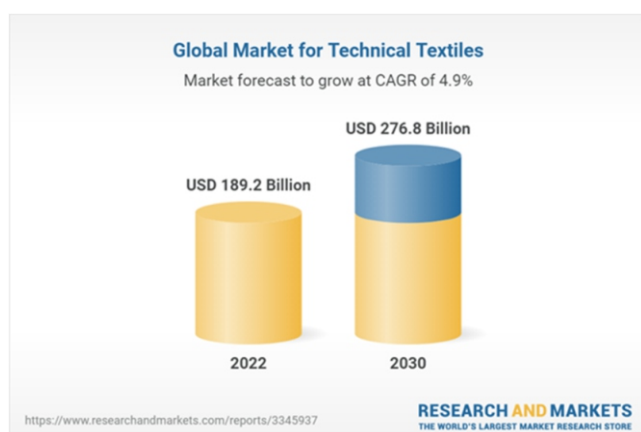
SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	87089500	Safety airbags with inflater system	104
2	59031090	Other Fabrics impregnated, laminated, plated, and coated with PVC	99
3	59039090	Other fabric plated, laminated, coated & impregnated with other Plastics	99
4	59032090	Other fabrics impregnated, laminated, plated, and coated with Polyurethane	70
5	59032090	Other fabrics impregnated, laminated, plated, and coated with Polyurethane	70
6	84212300	Oil or petrol-filters for internal combustion engines	70
7	59021090	Other Tyre cord fabric of nylon or other polyamides	60
8	54022090	Other high tenacity yarn of Nylon or other Polyester (Textured Yarns)	48
9	70191200	Glass Rovings	44
10	40151200	Gloves, mittens & mitts used for medical, surgical, dental or veterinary purposes	39

*NOTE -

1. CBIC, MoF, GOI has now incorporated Additional List of 52 Technical Textile Items - 8 existing items & 44 new items in the CUSTOMS TARIFF OF INDIA-2022 effective from 01.05.2022.
2. These 44 HSN codes have not been updated in the GST portal, so industry is not able to use it & data is also not available in MoC&I website. The above report was therefore generated based on 215 (207+8) TT items.

Global Technical Textiles Market to Reach \$276.8 Billion by 2030

In the changed post COVID-19 business landscape, the global market for Technical Textiles estimated at US\$189.2 Billion in the year 2022, is projected to reach a revised size of US\$276.8 Billion by 2030, growing at a CAGR of 4.9% over the analysis period 2022-2030. Woven, one of the segments analyzed in the report, is projected to record a 4.7% CAGR and reach US\$109.3 Billion by the end of the analysis period. Taking into account the ongoing post pandemic recovery, growth in the Non-Woven segment is readjusted to a revised 5.4% CAGR for the next 8-year period.



The U.S. Market is Estimated at \$47.5 Billion, While China is Forecast to Grow at 6.7% CAGR

The Technical Textiles market in the U.S. is estimated at US\$47.5 Billion in the year 2022. China, the world's second largest economy, is forecast to reach a projected market size of US\$58.9 Billion by the year 2030 trailing a CAGR of 6.7% over the analysis period 2022 to 2030. Among the other noteworthy geographic markets are Japan and Canada, each forecast to grow at 2.7% and 3.9% respectively over

the 2022-2030 period. Within Europe, Germany is forecast to grow at approximately 3.5% CAGR. Led by countries such as Australia, India, and South Korea, the market in Asia-Pacific is forecast to reach US\$44.8 Billion by the year 2030.

Some of the technical textile companies listed in the report are 3M Company, Agru America Inc., Ahlstrom-Munksjö Oyj, Asahi Kasei Corporation, Belton Industries Inc., Berry Global Group, Borgers SE & Co. KGaA, Delfingen Industry S.A, Dow Inc., DSM Dyneema BV, Fibertex Nonwovens A/S, Freudenberg SE, Global Synthetics Pty. Ltd., Hanes Geo Components, Hindoostan Mills Ltd., Huesker Synthetic GmbH, Johns Manville, Kimberly-Clark Corporation, Lenzing Plastics GmbH & Co KG, Low & Bonar PLC, Milliken & Company, NAUE GmbH & Co. KG, Officine Maccaferri S.p.A., Propex Operating Company LLC, Royal Ten Cate, SGL Carbon, SKAPS Industries, Solmax, SRF Limited, Strata Systems Inc., Techfab India, Teijin Limited, Thrace Group & TWE Group GmbH.

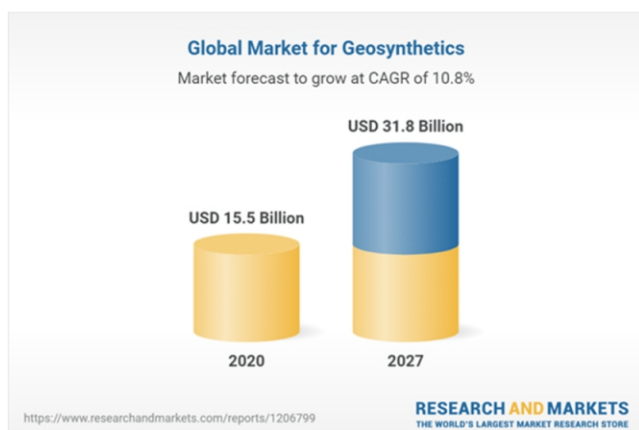
[For More Details visit -

[https://www.researchandmarkets.com/reports/3345937/technical-textiles-global-strategic-business?utm_source=CI&utm_medium=PressRelease&utm_code=zcvl4j&utm_campaign=1826013+-+Global+Technical+Textiles+Strategic+Markets+Report+2023%3a+Market+to+Reach+%24276.8+Billion+by+2030+-+Developed+Regions+Remain+Major+Contributors%2c+Developing+Regions+Emerge+as+Hot+Spots+for+Market+Growth&utm_exec=chdo54prd\]](https://www.researchandmarkets.com/reports/3345937/technical-textiles-global-strategic-business?utm_source=CI&utm_medium=PressRelease&utm_code=zcvl4j&utm_campaign=1826013+-+Global+Technical+Textiles+Strategic+Markets+Report+2023%3a+Market+to+Reach+%24276.8+Billion+by+2030+-+Developed+Regions+Remain+Major+Contributors%2c+Developing+Regions+Emerge+as+Hot+Spots+for+Market+Growth&utm_exec=chdo54prd)

Global Geosynthetics Market to Reach \$44.6 Billion by 2030

In the changed post COVID-19 business landscape, the global market for Geosynthetics estimated at US\$18.2 Billion in the year 2022, is projected to reach a revised size of US\$44.6 Billion by 2030, growing at a CAGR of 11.8% over the analysis period 2022-2030. Geotextiles, one of the segments

analyzed in the report, is projected to record 10.9% CAGR and reach US\$19.8 Billion by the end of the analysis period. Taking into account the ongoing post pandemic recovery, growth in the Geomembranes segment is readjusted to a revised 12.5% CAGR for the next 8-year period.



The U.S. Market is Estimated at \$5 Billion, While China is Forecast to Grow at 16.2% CAGR.

The Geosynthetics market in the U.S. is estimated at US\$5 Billion in the year 2022. China, the world's second largest economy, is forecast to reach a projected market size of US\$10.2 Billion by the year 2030 trailing a CAGR of 16.2% over the analysis period 2022 to 2030. Among the other noteworthy geographic markets are Japan and Canada, each forecast to grow at 7.4% and 9.9% respectively over the 2022-2030 period. Within Europe, Germany is forecast to grow at approximately 8.8% CAGR.

[For More Details visit -

https://www.researchandmarkets.com/reports/1206799/geosynthetics_global_strategic_business_report#rela0-3345937]

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Bank Details -

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Bank Name - Bank of Baroda,
Chakala Branch, Mumbai - 400093.
Current Account No - 04220200000491
IFSC Code - BARBOCHAKAL

1. ENGAGEMENTS WITH CENTRAL & STATE GOVERNMENTS

1.1. Meeting of TAMC under ATUFS

The 33rd TAMC meetings under ATUFS were held through audio-video conferencing on 31.03.2023 and 06.04.2023 under the Chairpersonship of Ms. Roop Rashi, Textile Commissioner. Dr. Anup Rakshit, ED, ITTA attended the meeting. MOM was circulated to all ITTA members.

Major Decisions Taken in TAMC --

- a) 14 machinery manufacturers/ authorized agents were enlisted under ATUFS.
- b) Further, M/s. Deep Engineers and M/s. Sonraj Industries, Rajkot were enlisted as machinery manufacturers under ATUFS.

- c) To allow the invoicing by Indian Authorized Agents in respect of imported machinery of enlisted machine manufacturers from abroad to their Indian Buyers. It is applicable for small machines, which is being imported in batch/bulk quantity like stitching m/cs, Shoe vamp making m/c, Glove making m/c, Socks making m/c, etc. for garment/ made ups sector.
- d) To carry out enlistment of machinery manufacturers/ authorized agents henceforth based on request either from concerned Regional Office or ATUFS section as scheme is ended on 31.03.2023.

2. EVENTS SUPPORTED & CONTRIBUTED BY ITTA

2.1. TEXCON 2023 held in Indore

Shri Vaishnav Institute of Textile Technology under Shri Vaishnav Vidyapeeth Vishwavidyalaya has organized a two-day 6th National Conference "TEXCON-2023" on 03rd & 04th March 2023 at Indore. The theme of conference was "Textile Recycling and Sustainable Apparel Design" is focused on latest technological advancements and innovations in the field of recycling of textile and apparel sector through multi-disciplinary approaches. Dr. Anup Rakshit, Executive Director, ITTA was invited as a Chief Guest in the Inaugural Session.



The main objective of the conference was to give a better perspective to the current and burning issues related to sustainable development in textiles. The Book on "Textile Recycling and Sustainable Apparel Design" was released during inaugural session.

Dr. Anup Rakshit talked about the Technical Textiles in India - Current Scenario & Future Potential. He highlighted about what is technical textiles, its 13 segments and its Global vs. Indian market scenario. He explained in detail about the Export & Import Trends of all technical textile segments for last 5 years and the Scope for Import Substitution- "Atmanirbhar Bharat" by

mentioning the top imported technical textile products. He mentioned the Key achievements by Govt. to boost TT industry i.e., 52 New HSN Codes are added to TT item list (other than 207 items), 89 Research Projects have been approved in Speciality Fibres, Sustainable Textiles, High Performance Textiles, Smart Textiles, Meditech, Agrotech, Geotech, Protech, Mobiltech, Buildtech and Sportech worth Rs. 263.25 Crores under NTTM, 64 applications have been approved under PLI & List of 107+34 TT items having Indian stds of Agrotexiles,



Medical Textiles, Protective Textiles & Geotextiles products to be brought under Quality Control Order (QCO). He talked about the Project Funding Opportunity under Technology Development Board (TDB) of Department of Science & Technology (DST), GoI for development and commercialize indigenous technology & adaptation of imported technology for wider application wherein company can submit their applications on TDB website. He pointed out that ITTA had analysed the investment filed under technical textile on the DPIIT website which has shown a steady growth in the investment after the FY 2020-21.

2.1. International Symposium on Circular Economy and Automation process in Technical Textiles by TTTA, Taiwan

The 15th International Technical Textiles Symposium (ITTS) with a Theme: "A Circular Economy and Automation process in Textiles" was held on 21st - 22nd March 2023 on Virtual Platform. The symposium was organized by Taiwan Technical Textile Association (TTTA) and Taiwan Textile Research Institute (TTRI) in cooperation with India Technical Textile Association (ITTA), East Asia Economic Association (EAEA), Taiwan Turkey Business Association (TTBA) & Chinese Association for Industry Technology Advancement (CAITA).

Shri. Amit Agarwal, Chairman, ITTA addressed the participants on 21st March 2022 and presented a paper on Envisioning Indian Technical Textiles @ 2047. He spoke about the ITTA, its membership categories, its members in different states in India & Abroad and its global connections with technical textile organisations. He highlighted the 13 segments of technical textiles and its market size - Global vs. India & growth rate. He

explained in detail about the initiatives on the mandatory use of technical textiles, HSN codes, Quality control order (QCO), Indian standards (IS) and Skill development. Also updated the initiatives taken by MoT, GoI i.e., PLI - 64 applications have been approved for TT sector with investment of Rs. 19798 crores & PLI-2 is under consideration, NTTM - 89 Research Projects have been approved worth Rs. 263.25 Crores in technical textiles and having USD 1.4 Trillion National Infrastructure Pipeline (NIP) Opportunity. Other Govt. support are Foreign Direct Investment (FDI), New Standards & Quality check, Samarth, Jute-ICare, Attractive State Policy and Mandatory use of technical textile by Govt. depts. He further added that India's advantage in growing as a Global Manufacturing Hub - abundant availability of raw material, large pool of skilled workers at comparatively low wage rates, infrastructure availability & govt. initiatives, power cost and lending rate.

2.3. Global Textile Conclave by CITI, New Delhi

The 3rd Global Textile Conclave (GTC) with a Theme: Strategies for Balancing Sustainability & Profitability in Textile Value Chain was organized by Confederation of Indian Textile Industry (CITI) from 15th - 17th March 2023 in Jaipur. The event was inaugurated by the Union Minister of Textiles, Shri. Piyush Goyal, through a video conference on 15th March, 2023.

The 1st India Textile and Apparel Fair (ITAF) was also organised along with 3rd GTC with Theme: Sustainability in Textile & Apparel Value Chain. It was inaugurated by Shri Rajiv Arora, Chairman, Rajasthan Export Promotion Council. Shri. Avinash Misar, Vice Chairman, ITTA was invited as a Panelist in the conclave.

In this conclave, there were seven sessions on - Trends on Fibre Value Chain - Exports & Domestic, Investment Opportunities in India for Global T&C Value Chain, India - UAE - Fostering Economic Ties, Sustainable Textiles: Responsible Consumption and Production, Technology & Innovation, Technical Textiles and Regional Cooperation through Textile Trading.

The discussion points on Technical Textiles session were overview of global technical textiles industry, global leaders, reasons of their success & innovation & trends, high potential segments for Indian players, strategy to tap those segments - key success factors, importance of global collaboration & partnerships, role of FDI in growth of technical textiles, potential challenges & mitigation strategies, scope of growth for Indian players and way forward.

This session was chaired by Shri. Rajeev Saxena, Joint Secretary (Technical Textiles) MoT and moderated by Shri. Prashant Agarwal, Jt. Managing Director, Wazir Advisors. The eminent Panelists were Shri. Uday Gill Chief Strategy Officer, IVL Group & Board Member, Indorama Ventures PCL, Dr. Thomas Gries Director, ITA RWTH Aachen University, Germany, Shri. Sanjay Bhayani Director, India Operations, Avgol India Pvt Ltd. Shri. Avinash Misar, Vice Chairman ITTA Dr. Arindam Basu, Director General, NITRA.



DEVELOPMENT OF INDIAN STANDARDS ON TECHNICAL TEXTILES

1. BIS Sectional Committee Meetings

1.1 High Performance Fibres, Fibrous Structure and Textile Components of Composites Sectional Committee, TXD 40

The 05th Meeting of High Performance Fibres, Fibrous Structure and Textile Components of Composites Sectional Committee, TXD 40 was held through VC on 13.03.2023. The meeting was attended by Dr. Anup Rakshit, ED from ITTA Secretariat and other Committee Members from ITTA.

Highlights of the key points discussed & decided in the meeting

1. As requested by BIS, ITTA shared the contact details of Garware Technical Fibres, Century Enka & Owens Corning with BIS for including more representation of from Fibre manufacturers in the committee.
2. Wide Circulation - Following Draft stds were issued under wide circulation- ISO 2558:2010 [Doc No. TXD 40 (20310)] Textile Glass Chopped-Strand Mats for Reinforcement of Plastics-Determination of Time of Dissolution of the Binder in Styrene, ISO 2559:2011 [Doc No. TXD 40 (20311)] Textile Glass-Mats (Made from Chopped or Continuous Strands), ISO 10618:2004 [Doc No. TXD 40 (20314)] Carbon Fibre-Determination of Tensile Properties of Resin-Impregnated Yarn, ISO 15100 : 2000 [Doc No. TXD 40 (20315)] Plastics-Reinforcement Fibres-Chopped Strands-Determination of Bulk Density, ISO 22314:2006 [Doc No. TXD 40 (20316)] Plastics-Glass-Fibre-Reinforced Products-Determination of Fibre Length, IS 11273:1992 Woven roving fabrics of E glass fibre, IS 11320:1997 Glass fibre rovings for the reinforcement of polyester and of epoxide resin systems & IS 11551:1996 Glass fibre chopped strand mat for the reinforcement of epoxy phenolic and polyester resin systems.
3. Draft Preparation Stage – BIS will initiate writing working draft on 'Fiber Glass Insect Screen/ Mesh' and collecting technical information on the new subjects i.e., UHMWPE Fibre & filament Yarn, Glass Fibre (A Glass and H Glass), Aramid fibre & filament, Basalt fibre & filament, Pre-Oxidised fibre & Carbon Fiber.

1.2 Technical Textiles for Medtech Applications Sectional Committee (TXD 36)

The 21st Meeting of Technical Textiles for Medtech Applications Sectional Committee, TXD 36 was held through VC on 27.03.2023. The meeting was attended by Dr. Anup Rakshit, ED from ITTA Secretariat and other Committee Members from ITTA.

Following points were discussed & decided in the meeting -

1. Ready for Publication - Following Indian Standards are finalized for publication - i) TXD 36 (21300) Absorbent cotton gauze (fifth revision of IS 758), ii) TXD 36 (21301) Cotton bandage cloth (third revision of IS 863), iii) TXD 36 (21299) Grey, hospital flannel (fourth revision of IS 674), iv) TXD 36 (21302) Zinc oxide elastic adhesive bandage (second revision of IS 4739) & v) TXD 36 (21303) Bandage, suspensory (first revision of IS 9751).
2. Draft Preparation Stage - Preliminary draft on 'Nonwoven Gauze (Sterile and Non-Sterile)' will be prepared by BIS.
3. Working drafts/ technical inputs/ information shall be collected on the new subjects/ new areas i.e., Medical wipes, Non-woven gauze swab, Dental floss, Scrub suit/patients Clothing, Sutures (Absorbable & Non-absorbable), Sterilization wrap, Tampons, Maternity napkins/pads, Antistatic Healthcare Textiles, Advanced wound dressings - Hydrogel, film and foam-based dressings, multilayer, tissue engineer based wound dressings etc., Burn sheet, Hemostatic dressing, IV dressings (Film/ Nonwoven/ Woven), Multi-layer Compression bandaging (2 layer/ 4 layer), Undercast padding & Synthetic orthopaedic cast/ sling/ splint, Mopping Pad, Leukodepletion filter or textiles used for blood purification, Hernia mesh, Umbilical tape.
4. Revised drafts of IS 17334 - Surgical Gowns and Surgical Drapes and IS 17354 - Dental Bib/ Napkins will be prepared by BIS.

1.3 Technical Textiles for Sportech Applications Sectional Committee, TXD 37

The 06th Meeting of Technical Textiles for Sportech Applications Sectional Committee, TXD 37 was held through video conferencing on 28.03.2023. The meeting was attended by Dr. Anup Rakshit, ED from ITTA Secretariat and other Committee Members from ITTA.

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

1. **Wide Circulation** - Working draft on 50 kg tents and laminated tents.
2. Garware Technical Fibres to provide the working draft on different varieties of sports ropes & technical inputs for revision of IS 3345 - Sports nets.
3. Preliminary draft on Parasailing fabrics will be circulated to committee members for their comments.

Centre approves 7 PM Mega Integrated Textile Region and Apparel (PM MITRA) Parks



Centre approved the sites for setting up of 7 PM Mega Integrated Textile Regions and Apparel (PM MITRA) Parks for the Textile industry. The Parks will come up in Tamil Nadu (Virudhnagar), Telangana (Warangal), Gujarat (Navsari), Karnataka (Kalburgi), Madhya Pradesh (Dhar), Uttar Pradesh (Lucknow/Hardoi) and Maharashtra (Amravati) for setting up PM MITRA Parks. The details of PM MITRA Park scheme can be accessed from www.texmin.nic.in.

Inspired by the 5F vision of the Hon'ble Prime Minister (i.e., Farm to Fibre to Factory to Fashion to Foreign), the PM MITRA Parks are a major step forward in realizing the Government's vision of making India a global hub for textile manufacturing and exports. It is expected that these parks will enhance the competitiveness of the textiles industry by helping it achieve economies of scale as well as attract global players to manufacture in India.

These 7 sites were chosen out of 18 proposals for PM MITRA parks which were received from 13 States. Eligible States and sites were evaluated using a transparent Challenge Method based on objective criteria taking into account a variety of factors such as connectivity, existing ecosystem, textile/industry policy, infrastructure, utility services etc. PM Gati Shakti- National Master Plan for Multi-modal Connectivity was also used for validation. PM MITRA Parks will help in creating world-class industrial infrastructure that would attract large scale investment including foreign direct investment (FDI) and encourage innovation and job creation within the sector.

The MoT will oversee the execution of these projects. An SPV owned by Centre and State Govt. will be set up for each park which will oversee the implementation of the project. The MoT will provide financial support in the form of Development Capital Support upto Rs.500 crore per park to the Park SPV. A Competitive Incentive Support (CIS) upto Rs 300 crore per park to the units in PM MITRA Park shall also be provided to incentivise speedy implementation. Convergence with other GOI schemes shall also be facilitated in order to ensure additional incentives to the Master Developer and investor units.

State Govts. will provide contiguous and encumbrance-free land parcel of at least 1000 acres of land and will also facilitate provision of all utilities, Reliable Power Supply and Water availability and Waste Water Disposal system, an effective single window clearance as well as a conducive and stable industrial/textile policy. The parks will offer an excellent infrastructure, plug and play facilities as well as training and research facilities for the industry.

PM MITRA Parks represent a unique model where the Centre and State Govts. will work together to increase investment, promote innovation, create job opportunities and ultimately make India a global hub for textile manufacturing and exports. Nearly Rs. 70,000 crores investment and 20 lakhs employment generation is envisaged through these parks.

[Source - <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1908052>]

MoT provide Skill Training to 1.50 Lakh people under Samarth Scheme



Under the Samarth scheme of the Govt., 1.5 lakh beneficiaries have been provided skill training out of the total target of 3.47 lakh people, an official statement said. Samarth scheme is a demand driven and placement-oriented umbrella skilling programme of MoT. The implementation period of the scheme is up to March 2024.

The primary aim of the scheme is 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. Over 85% of the beneficiaries trained so far under the scheme are women and over 70% of the beneficiaries trained in organized sector courses has been provided placement.

The scheme is implemented through Implementing Partners (IPs) comprising of Textile Industry/ Industry Associations, State government agencies and Sectoral Organizations of MoT like DC/ Handloom, DC/Handicrafts and Central Silk Board,

the statement added. It has been formulated with advanced features such as Aadhaar Enabled Biometric Attendance System (AEBAS), Training of Trainers (ToT), CCTV recording of training programme, dedicated call centre with helpline number, mobile app, Web based Management Information System (MIS), on-line monitoring of the training process etc.

Currently, there are a total of 184 courses aligned with National Skill Qualification Framework (NSQF) that have been adopted under the scheme across various textile segments covering traditional sector like Handloom/ Handicrafts to conventional sector like Garmenting to advanced sector like Technical Textiles. The capacity building scheme has been penetrated across 28 States and 6 Union territories of the country and caters to all sections of the society including SC, ST and other marginalized categories.

[Source - <https://menafn.com/1105705411/Ministry-Of-Textiles-Provide-Skill-Training-To-150-Lakh-People-Under-Samarth-Scheme>]

MoT announces launch of 2 Quality Control Orders for 31 items



Ministry of Textiles (MoT), GoI announced the launch of 02 Quality Control Orders (QCOs) for 31 items consisting of 19 Geo Textiles and 12 Protective Textiles in the Phase-I, following due process of notification of Technical Regulations. These QCOs mark the first technical regulation from India for the Technical Textiles industry informed the Joint

Secretary, Shri Rajeev Saxena in a press conference on 11th April 2023.

The Centre is of the opinion that it is necessary so to do in the public interest to increase the standard and quality of Geo Textiles and Protective Textiles, for the protection of the environment, human health,

and animal & plant life & health. QCOs will strive to provide best value to the users and end consumers, thereby fostering Indian product quality that is comparable to global standards.

Out of the 31 items, 19 items belong to the Geo Textiles category, including Laminated High Density Polyethylene (HDPE) Woven Geomembrane for Waterproof lining, PVC Geomembranes, Needle punched non-woven geobags, Polypropylene Multifilament woven geobags, Jute Geotextiles, Open Weave Coir Bhoovastra Geotextiles used in subgrade separation in pavement structures, Geotextiles used in Subsurface Drainage Application, Geotextiles used in Sub-grade Stabilization in pavement structures, High Density Polyethylene (HDPE) Geomembranes for lining, Geotextiles used as protection (or cushioning) materials, Geotextiles for permanent erosion control in hard armor systems, Geogrids for flexible pavements, Polymeric strip/geostrip used as soil reinforcement in retaining structures, Geogrids used in reinforced soil retaining structures, Reinforced HDPE membrane for effluents and chemical resistance lining, and Geocells.

The remaining 12 items are of Protective Textiles,

including Curtains and Drapes, Upholstered composites used for non-domestic furniture, Protective clothing for firefighters, Protective gloves for firefighters, Protective clothing for industrial workers exposed to heat, Clothing made of limited flame spread materials and material assemblies affording protection against heat and flame, High visibility Warning Clothes, Protective Clothing for use in welding and allied processes, Tactical 3 point sling, Pouch for ammunition and grenades made of disruptive pattern nylon-66, Bullet resistant jackets, and Water-proof multipurpose rain poncho.

These two Geo Textiles and Protective Textiles QCOs shall come into force immediately after 180 days from the date of its publication in the Official Gazette. The conformity assessment requirements specified in these QCOs are equally applicable to domestic manufacturers as well as foreign manufacturers who intend to export their products to India.

[Source-<https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1915526#:~:text=Ministry%20of%20Textiles%20announced%20the,of%20notification%20of%20Technical%20Regulations.>]

India aspires to take technical textiles market to \$40 billion in 4-5 years



Union Minister Shri. Piyush Goyal on Friday said India aspires to take its technical textiles market to \$40 billion in the next 4-5 years from \$22 billion at present. In a virtual address at a National Conference on Geo Textiles, he also expressed hope to build a domestic technical textiles market of up to \$300 billion by 2047.

Currently, India is the fifth largest producer of technical textiles in the world with a market size of nearly \$22 billion. To achieve these objectives, Shri. Goyal underlined the need to focus on improving productivity at manufacturing and supply-chain levels. Technical textiles are functional fabrics that have applications across various industries

including automobiles, civil engineering and construction, agriculture, healthcare, industrial safety, personal protection etc.

"We will have to introduce economies of scale and also have to work on research and development to innovate and come up with attractive products which are in the future going to become global brands. "For this purpose, robust inter-ministerial coordination is happening which will pave the way for the development of the technical textiles market in India," he added.

Pointing out that global demand for geotextiles is also growing strongly, he expressed confidence that

on the back of robust growth in infrastructure being created in India, the country will be able to contribute significantly to an increased market potential in geotextiles and technical textiles. "India today is aspiring to take its technical textiles market to at least \$40 billion in the next 4-5 years. While it is a huge task, we think we can achieve it, provided we all work together," Shri. Goyal said. He also assured that the government is deeply committed to working with all stakeholders to generate demand,

strengthen research, bring out new applications for technical textiles and promote startups to bring innovation

[Source - <https://retail.economictimes.indiatimes.com/news/apparel-fashion/apparel/india-aspires-to-take-technical-textiles-market-to-40-billion-in-4-5-years-goyal/99008219>]

India's textiles exports showing signs of growth : Shri. Piyush Goyal

India's textiles exports have been impacted by various issues such as foreign exchange problems in several countries and the aftermath of the Russia-Ukraine war. However, Union minister Shri. Piyush Goyal has said that the industry is now showing signs of growth. Goyal expressed hope that cotton and yarn exports would start to increase from April onwards.

Shri. Goyal also addressed the dip in cotton and yarn exports, saying that outbound shipments were at an all-time high last year due to inflation. This year, however, prices have been quite suppressed, leading to a decline in exports of cotton and yarn. He hoped to see a renaissance of cotton and yarn exports from April 1, 2023.

Although ready-made garments of all textiles dipped by about 3.5% in January to \$1.5 billion, during April-January this fiscal, it rose by 5.22% to \$13.4 billion. On the other hand, exports of cotton yarn, fabrics, made-ups, and handloom products

declined by 28.7% to \$9 billion during April-January this fiscal.

He explained that many countries have been facing foreign exchange problems since the Ukraine conflict, which has led to reduced non-essential imports. Additionally, many countries are not accepting non-essential goods from outside their territory, Indian media reports quoted him as saying.

Shri. Goyal also revealed that textiles exports from Bangladesh receive customs duty concessions in developed markets as it is a developing country. In response, India is now pursuing free trade agreements to secure duty concessions for its textiles industry, which would help boost exports.

[Source - <https://economictimes.indiatimes.com/industry/cons-products/garments/-textiles/figures-suggesting-that-textiles-exports-are-up-again-piyush-goyal/articleshow/98563222.cms>]

MoF further extends levy of Anti-dumping Duty on Fishing Net exported from China

The Ministry of Finance (MoF), Department of Revenue, Govt. of India has further extended the levy of Anti-Dumping Duty (ADD) on "Fishing Nets" originating in or exported from China PR till 09th September 2023 as per the Notification No. 03/2023-Customs (ADD) dated 06th April 2023.

Previously, CBIC has extended the levy of Anti-dumping Duty (ADD) on "Fishing Nets" originating in or exported from China PR till 09th July 2023 as per the Notification No. 01/2023-Customs (ADD)

dated 06th January 2023 and Notification No. 20/2018-Customs (ADD) dated April 10, 2018, which imposed a definitive anti-dumping duty (ADD) for a five-year period on imports of fishnet or fishing nets coming from China or Bangladesh.

[Source - <chrome-extension://efaidnbmnnnibpcajpcgclefindmkaj/https://old.cbic.gov.in/resources/htdocs-cbec/customs/cs-act/notifications/notfns-2023/cs-add2023/csadd03-2023.pdf>]

Tamil Nadu Govt. announces schemes for textiles in Budget 2023-24



Tamil Nadu Govt. has announced various schemes to benefit the textile sector. New industrial parks will be set up by State Industries Promotion Corporation of Tamil Nadu (SIPCOT) in Vellore, Kallakurichi and Coimbatore including a park in Virudhunagar under the PM MITRA mega textile park scheme. The Govt. has said that a new Textile Policy would be released with a focus on holistic development of the entire value chain, latest design development and textile machinery manufacturing.

The state will also get 10 mini handloom parks with a total outlay of ₹20 crore to upgrade the standard of handloom products by using latest technologies and creating market linkages. Tamil Nadu Govt. has announced that it aims to double the installed power generation capacity in the state by 2030 and increase the share of green energy to 50%. Free power supply for power loom sectors has been increased from 750 units to 1,000 units.

The Govt. will also scale up skill training infrastructure, where factories have been proposed to be used as Skill Development Centres. Industries will be incentivized to provide on-the-job-training to youth in factories. An amount of ₹25 crore has been allocated for this 'Factory Skill Schools' programme in Budget 2023-24.

A state-of-the-art Skill Development Centre will be established at an estimated cost of ₹80 crore, in SIPCOT Industrial Park in Krishnagiri district, which is emerging as the third largest industrial cluster in the state. A Start-up Mission will also be established to address the difficulties faced by women entrepreneurs in accessing adequate, timely credit and marketing of products.

[Source - <https://www.fibre2fashion.com/news/textile-news/india-s-tamil-nadu-announces-schemes-for-textiles-in-budget-2023-24-286465-newsdetails.htm>]

Customs duty reduced on certain textile machinery



The customs duty on certain textile machinery has been reduced by the Govt. of India. The industry was insisting on the same as the Union Budget 2023-24 had increased the Basic Customs Duty (BCD) on all textile machinery, spares and accessories from 5% to 7.5% to be effective from 1st April 2023 to till 31st March 2025. However, the industry had urged the government to retain BCD at 5%, arguing that India depends on imports, except for spinning machinery, spares and accessories, which are essential to

sustain global competitiveness with the high cost of capital in India.

In this regard, Ministry of Finance (MoF), Department of Revenue, GoI has issued the Notification No. 17/2023-Customs) dated 29th March 2023, wherein the BCD has been decreased to zero for the following goods under HS codes 8446 and 8448 (other than old and used) for use in the textile industry, namely: (i) Shuttleless Rapier

Looms (above 650 rpm); (ii) Shuttleless Waterjet Looms (above 800 rpm); and (iii) Shuttleless Airjet Looms (above 1000 rpm) and parts and components for use in manufacturing of shuttleless looms.

However, BCD will be 5% on weaving machines (other than old and used) under HS code 8446, for use in the textile industry, namely: (i) Carbon Fabric Weaving Rapier Looms; (ii) Biaxial and multiaxial weaving machines for manufacturing technical textiles; and (iii) 3-D and block weaving machines for manufacturing technical textiles.

BCD will also be 5% on the knitting machines (other than old and used) under HS code 8447, for use in the textile industry, namely: (i) Flat Knitting Machines (11 revolutions per minute or minimum speed of 0.3 Mts per sec); (ii) Warp Knitting Machines (Minimum working width of 60" and minimum speed of 500 RPM); (iii) Raschel Knitting

Machines (Minimum working width of 60" and minimum speed of 500 RPM); (iv) Knitting machines for spacer fabrics.

The duty will also be 5% on machinery (other than old and used) for manufacture of nonwovens textiles, namely: (i) Complete production lines for the production of following nonwovens, up to rolled goods preparation and packing, including (a) Needle punched nonwovens, (b) Chemically bonded nonwovens, (c) Thermally bonded nonwovens, (d) Stitch bond nonwovens, (e) Spun laced (hydro entangled) nonwovens, (f) Melt blown nonwovens, (g) Spun bond melt blown (SMS) nonwovens, (ii) Machinery for finishing of all nonwovens; and (iii) Machinery for converting nonwovens into made-ups.

[Source - <https://apparelresources.com/business-news/trade/customs-duty-reduced-certain-textile-machinery/>]

TDB-DST supports M/s Sahi Fab Pvt Ltd, New Delhi for Start-up



Inspired by the idea of Prime Minister Shri. Narendra Modi, aimed at making all our cities 'Garbage Free' under Swachh Bharat Mission- Urban 2.0 and focus on 'Swachhta', the Technology Development Board (TDB), a statutory body of Department of Science & Technology (DST), GoI invited applications from Indian companies having innovative/indigenous technologies at commercialization stage in waste management domain. The call for proposal was aimed at making Indian cities waste free and at the same time generate wealth from waste through technology interventions i.e., 'Waste to Wealth'.

On 28th March 2023, TDB signed the first agreement under the initiative. TDB penned the agreement with M/s Sahi Fab Private Limited, New Delhi for development & commercialisation of 'Agricultural waste of stem materials like industrial hemp, flax and nettle etc. into Fibre'. The board has pledged a support of ₹1.38 Crores out of the total project cost of ₹2.08 crores.

With an aim to create wealth out of the unexploited waste, the company has come up with an innovative solution by manufacturing fiber /fibrous products out of this waste in three steps as follows:

- Decortication: The hemp stem is processed through the indigenously developed Decorticator machine.
- Wet Processing: The extracted fiber is treated with alkali / enzymes using high temperature high pressure (HTHP) machines.
- Fiber Processing: The treated fiber is individualized through carding and can be processed through different routes, one of them being needle punching (non-woven).

The extracted fiber from the stem will not only contribute to circular economy and but also upsurge the income of the farmers by 7 times approx.

Speaking on the occasion, Shri Rajesh Kumar

Pathak, Secretary, TDB said, "TDB has been a forerunner in helping innovative indigenous technologies, aimed at improving the Ease of Living for common man. Many of the Start-ups are venturing into fresh domains, and therefore seek financial assistance to accomplish their endeavours.

M/s Sahi Fab is one such start-up which is developing Fibre from agricultural waste that remained unexploited due to lack of technology."

[Source - <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1911379>]

QCO for polyester yarn in India is extended



The Quality Control Order (QCO) has come into effect for polyester fibre and other upstream and downstream products. The Ministry of Chemicals and Fertilizers (MoC&F), Department of Chemicals and Petrochemicals, Govt. of India has extended the deadline for mandatory QCOs on Four Orders- Polyester Continuous Filament Fully Drawn Yarn, Polyester Partially Oriented Yarn, Polyester Industrial Yarn, and 100 Percent Polyester Spun Grey and White Yarn till 03rd July 2023 as per the Order dated 31.03.2023.

Domestic polyester fibre and product manufacturers have obtained BIS certifications, ensuring no supply disruptions from domestic producers, as per market experts. Some foreign manufacturers have also secured certification, while many others are still awaiting approval.

[Source - <https://www.fibre2fashion.com/news/textile-news/qco-takes-effect-for-polyester-fibre-in-india-industry-divided-286788-newsdetails.htm>]

Bullet Proof Jackets and Helmets



The Government undertakes procurement of Bullet Proof Jackets and Helmets for Armed Forces and other law enforcement forces from time-to-time from domestic manufacturers. These are procured as per laid down specifications and authorisation after due testing and evaluation.

Bullet Proof Helmets procured by Indian Army and Central Armed Police Forces are compliant to the specifications and National Institute of Justice of USA (NIJ) protection/threat levels approved by the competent authorities. The upgradation,

procurement and provisioning of improved version of Bullet Proof Jackets and Helmets is a continuous process for which necessary steps are taken regularly.

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Vishnu Datt Sharma in Lok Sabha today.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=1910312>]

Centre increases the budget outlay of Amended Technology Upgradation Fund



The Union Minister of State for Textiles, Smt. Darshana Jardosh in a written reply to a question in Lok Sabha today informed that, the allocation of Textiles Sector in Budget 2023-24 is Rs. 4,389.34 crore. This is higher than the R.E of 2022-23 which is Rs. 3,579.61 crore.

Government has increased the budget outlay of Amended Technology Upgradation Fund (ATUF) from Rs. 650 crores in RE 2022-23 to Rs. 900 crores in BE 2023-24. As regards other steps for the development of textiles sector, initiatives and schemes/programmes of the Ministry of Textiles cover all key areas viz. Research, innovation and development; Textiles infrastructure development; Education, training and skill development, Market development, Exports promotion, Improvements on quality controls and standards etc. Some of the

major schemes implemented by the government include: PM Mega Integrated Textile Region and Apparel (PM MITRA Parks), Production Linked Incentive (PLI) Scheme, Silk Samagra, Development of Handicraft Sector, Development of Handloom Sector, SAMARTH – Scheme for Capacity Building in Textile Sector, Development of Jute Textile Scheme, Integrated Wool Development Programme (IWDP), and National Technical Textile Mission (NTTM) etc. These schemes and programmes are oriented towards promotion and development of Textile Sector on Pan-India basis.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=1907182#:~:text=Government%20has%20increased%20the%20budget,crores%20in%20BE%202023%2D24.>]

Poly-spun yarn price eases in India's Surat market due to muted demand



India's polyester-cotton yarn and poly-spun yarn prices saw bearish sentiments because of slower demand. Prices of poly-spun yarn eased by Rs. 3-4 per kg in Surat in the last fortnight. However, the prices remained stable amid weak demand in Ludhiana market. Meanwhile, Reliance Industries Limited (RIL) had increased the prices of raw material.

Gujarat's Surat market noted downfall in prices amid sluggish demand. The prices slipped by Rs. 3-4

per kg and 30 count poly-spun yarn was traded at Rs. 137-138 per kg (GST extra) and 40 counts poly spun yarn at Rs.152-153 per kg. A trader from Surat market told Fibre2Fashion, "Weaving and garment industries were not confident about demand from end-users. They were reluctant for bulk purchase of raw materials. The price of poly-spun yarn eased down in last couple of days."

Polyester-cotton and polyester yarn was sold steady in Ludhiana market. However, demand was very low

because of weak sentiments in the entire value chain. A trader from Ludhiana market told Fibre2Fashion, “Buyers were silent for yarn purchase as garment units were still operating on limited capacity.” 30 count PC combed yarn (48/52) was sold steady at Rs. 217-230 per kg (GST inclusive) in Ludhiana, 30 count PC carded yarn (65/35) was steady at Rs. 202-212 per kg. 30 count poly spun yarn was priced at Rs. 151-158 per kg. The price of recycled polyester fibre (PET bottle fibre) was noted at Rs. 74-77 per kg.

RIL had increased prices of purified terephthalic acid (PTA) and MELT, but it had kept the price of monoethylene glycol (MEG) unchanged. The company fixed prices as: PTA Rs. 81.70 per kg (up 0.50), MEG at Rs. 57.10 per kg (no change), and MELT Rs. 89.25 per kg (up 0.43). The company's PSF was noted at Rs. 106 per kg.

[Source - <https://www.fibre2fashion.com/news/yarn-news/poly-spun-yarn-price-eases-in-india-s-surat-market-due-to-muted-demand-286361-newsdetails.htm>]

UGC asks institutes to develop technical textile curriculum



The University Grants Commission (UGC) has asked institutes, universities imparting textile education to develop curriculum for technical textile, one of the evolving sectors in the field of textiles. The UGC, in a letter, to the institutes said technical textiles are high performance textiles which find application not only in clothing but also in areas such as medical, infrastructure development, agriculture, automotive, aerospace, sports, protective clothing and more.

Technical textiles have witnessed an upward trend globally in recent years due to improving economic conditions and have an immense domestic and export potential for India. “With the view to promote the sector, Government of India is implementing National Textile Mission,” the UGC said.

Under the Mission, the GoI is supporting the educational institutions with funding for

upgradation and enhancement of laboratory equipment, training laboratory personnel and specialised training for faculty members of the universities or institutes both public and private. The institutes or universities have been asked to come up with proposals to start imparting under graduate and post graduate courses in technical textile and readied their institutes accordingly with the financial support from the Centre.

The UGC has also shared curriculums of various international institutions to help the Indian institutes and universities to draft the best possible course curriculum in the field of technical textile for the introduction of the same in their institutes.

[Source-<https://timesofindia.indiatimes.com/city/bhubaneswar/ugc-asks-institutes-to-develop-technical-textile-curriculum/articleshow/98721034.cms>]

INNOVATIONS & TECHNOLOGY

TEST METHODS - New Testing Methodology to reduce Fiber Shedding

New Methodology to Measure Fiber Shedding



Under Armour Inc. based in USA announced the development of a new testing methodology to combat fibre shedding at its source and support progress towards the company's sustainability goal of making 75% of fabrics in its products from low-shed materials by 2030.

Under Armour's innovative test method simplifies the process of accurately measuring a fabric's proclivity to shed. To support the creation of lower-shed products, the company has begun using the method to test materials and quantify their shed rate early during product development to target high-shed materials for redevelopment or discontinuation before they enter the market. Under Armour is also using the method to screen out new textile candidates with high shed rates before they enter product development streams.

Supporting innovations that reduce fibre shedding over time is a priority focus of Under Armour's sustainability programme. Under Armour is looking into new ways to redevelop high-shed fabrics, such

as mechanical finishes and yarn formations that can support less shedding. High-shed fabrics, which are often appealing to consumers because of their softness, are also less durable than low-shed fabrics. Given this, the company's new test method will help to inform efforts to develop products that have the best balance of comfort and durability.

The methodology developed by Under Armour supplements existing fiber-shed testing approaches to evaluate and address the microfiber issue. Under Armour is exploring ways to make its testing methodology available to its industry and expects to explore how the methodology could be utilized by other industries.

[Source - <https://about.underarmour.com/en/stories/2023/02/under-armour-announces-new-methodology-to-measure-fiber-shedding.html#:~:text=The%20Microfibre%20Consortium's%20globally%20aligned,real%20difference%20in%20garment%20production.>]

TECHNOLOGY - Inline Card Clothing Series

Groz-Beckert to showcase the latest carding solutions



Nonwovens and textile systems supplier Groz Beckert, Germany will showcase its latest innovations from its Carding product area at INDEX™ which will take place in Geneva, Switzerland, from 18 - 21 April 2023.

The InLine card clothing series for the nonwovens industry will take center stage at the Groz-Beckert exhibition booth. A new and patented manufacturing process made the development of the innovative metallic card clothing series possible.

It offers customers improved process reliability and increased uptime of the card. At the same time, the new process enables environmentally friendly and resource-saving production.

In addition to a controlled and precise hardening of the teeth, the wires are characterized by a reduced rib height and a completely scale-free surface. An exhibit at the booth will demonstrate what distinguishes the new process from the conventional production method and will highlight the differences between the new Groz-Beckert InLine card clothing series and its predecessor generation.

The first special geometry of the Groz-Beckert InLine card clothing series to be developed was the SiroLock™ plus worker and doffer wire. It impresses with a more effective fiber take-up, control and transfer. Augmented reality will allow visitors to experience the functionality and operating principle behind SiroLock™ plus at INDEX™.

[Source - <https://www.groz-beckert.com/en/company/news/press/groz-beckert-with-product-area-carding-at-index%E2%84%A2-in-geneva.html>]

MEDITECH - Plant-Based Medical Face Mask

FDA nod for 1st plant-based medical face mask



USA based PADM Medical Group of Companies, announced that it has received a 510(k) clearance from the U.S. Food and Drug Administration (FDA) to market PRECISION ECO™ Compostable / Plant Based Procedural Mask with Earloops, the world's first plant based, procedural mask for use in healthcare and medical sector.

PADM Medical's PRECISION ECO™ Plant Based procedural masks are made using ECOFUSE™ plant-based materials manufactured by PADM Medical's sister company, Roswell Textiles, in Calgary, Alberta. ECOFUSE™ materials are manufactured from renewable crop resources and help reduce the adverse impact on the environment of petroleum based, single use disposable face masks. The ECOFUSE™ materials are industrially compostable and by being plant based, help reduce the CO2

emissions of PRECISION ECO™ by approximately 55% compared to conventional petroleum-based masks. PRECISION ECO™ procedural masks also generate carbon credits as a result of the net carbon reduction.

Additionally, the PRECISION ECO™ Compostable/Plant Based Procedural Mask with Earloops is a USDA Certified Biobased product under the USDA BioPreferred Program with a biobased content of 82%.

[Source - <https://www.prnewswire.com/news-releases/padm-medical-receives-us-food-and-drug-administration-fda-510k-clearance-for-precision-eco-the-worlds-first-plant-based-medical-grade-face-mask-301769879.html>]

Stretch Military Ripstop Fabric for Protection and Comfort in the Field



Carrington Textiles, UK a global manufacturer of military fabrics has launched the company's new addition to their Defence Range of products, Spartan HT Flex Lite. At a weight of 195 gsm, Spartan HT Flex Lite is the only product from the Spartan military ripstop fabric family that incorporates 2% LYCRA and 37% cotton in its composition for integrated stretch and outstanding wearer comfort. It also features 61% Cordura military grade high tenacity nylon 6.6 for strength and durability.

"We are seeing a growing trend for wearer comfort; this has transitioned from workwear to flame retardant, so it's only natural that we see this

transition into the defence sector. We wanted to develop a product that protects the wearer in the most challenging environments but at the same time is comfortable to wear," Carrington Textiles R&D manager Kirsty White said.

Spartan HT Flex Lite is suitable for combat uniforms in virtually any region and it can be printed to a bespoke design at our state-of-the-art printing facility.

[Source - <https://www.textileworld.com/textile-world/nonwovens-technical-textiles/2023/03/83686/>]

SPORTECH - Eco-friendly Running Shoes

Eco-friendly Running Shoes launched



France based Circle Sportswear has partnered with The Woolmark Company to create eco-friendly Merino wool running shoes - the first to be made entirely in Europe from biodegradable and 100% recyclable materials.

The 'SuperNatural Runner' is designed for disassembly, with each component selected to be recycled without creating post-consumer waste. The upper is made from 65% Australian Merino

wool and 35% Tencel "for superb durability", and the shoe is fitted with a 100% Merino wool lining.

The running shoes utilise the performance, breathability and eco benefits of Merino wool, a 100% natural, renewable, biodegradable and recyclable fibre that does not contribute to microplastic pollution.

Circle Sportswear has invested in machinery that didn't exist in Europe up until now, and keeping manufacturing within Europe ensures 75% less CO2 impact than traditional running shoes. Innovations in both product and processing have driven new opportunities for wool in the footwear industry,

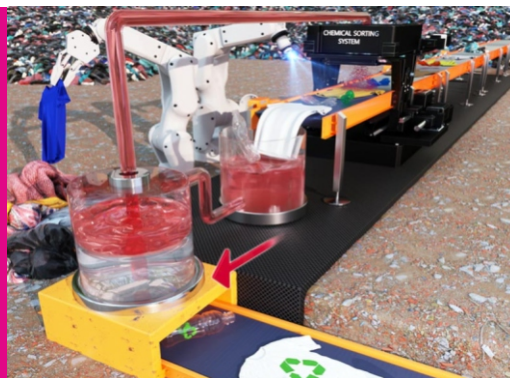
with breakthrough developments resulting in the creation of technical running shoes such as the 'SuperNatural Runner'. In-house technical team worked collaboratively on the development of the shoe's upper, harnessing the performance benefits of Merino wool - such as dryness, breathability and

odour resistance - to push the innovative nature of the fibre for a high-performance running shoe.

[Source - <https://www.theindustry.fashion/circle-sportswear-teams-up-with-the-woolmark-company-for-eco-friendly-running-shoes/>]

SUSTAINABILITY - Closed-loop Recycling of Textile Wastes

Breakthrough technology to achieve closed-loop recycling of textile wastes



The clothing industry currently accounts for 10% of worldwide carbon emissions, with approximately 90% of post-consumer fiber waste being disposed of through incineration or in landfills. Since synthetic fiber is not naturally biodegradable, it has become a serious hazard to the environment. Due to its affordability and durability, polyester, which makes up more than half of all fabrics made each year, is the most popular synthetic fiber worldwide.

A research team from the Korea Research Institute of Chemical Technology (KRICT) have developed a novel "chemical sorting" technology to separate polyester from mixed and contaminated waste textiles for recycling. In this method, polyester is separated from used textiles that are thrown away in a polluted or mixed state. In the procedure, a special chemical agent is utilized for the separation, which selectively destroys the chemical relationship between polyester and the dye used to give it its color.

The researchers have also created a brand-new chemical recycling technique that transforms polyester into useful monomers while using less energy than traditional approaches. New polymer materials can then be produced using these monomers. Presently, the clothing recycling

industry sorts used textiles into different material kinds using labor-intensive, inefficient techniques that frequently fail to process homogenous materials.

Using a non-toxic and biodegradable substance, this novel method chemically separates polyester from waste garments. When the substance is applied to textiles, colorants found in polyester are totally removed, but no other materials undergo any appreciable modifications. Then, clean polyester may be extracted from the fabric mashup.

The separation of polyester from mixes of uncolored fabrics is also possible with this technique. Only polyester absorbs colorants when they come into contact with fabric during the sorting process. These colorants can then be removed and utilized as clean feedstock for chemical recycling. According to the researchers, it may be possible to recycle waste polyester in a circular fashion by breaking down polymer waste into its component parts, similar to how chemicals are recycled.

[Source - <https://sciencenewsnet.in/kRICT-has-developed-a-breakthrough-technology-to-achieve-closed-loop-recycling-of-textile-wastes/>]

NEW MEMBERS



PLATINUM POLYMERS PVT. LTD., MAHARASHTRA

Platinum Polymers founded in 1992 is the Manufacturer and Exporter. They have manufacturing facility with PLC based Extrusion Lamination m/c, Welding & Rewinding m/c, Universal Testing Machine (UTM), Friction Tester and Sealing Machine. They manufactured Roof Insulation Film - 2000 mt/yr, Geomembranes - 1000 mt/yr, Attic Foil, Radiant Barrier Film - 1000 mt/yr, Aluminium Foil Bags and Rolls.

HIND COMMERCE LTD., MAHARASHTRA

Hind Commerce was established in 1984. After which they have mainly done investments in this company. Now they are putting up a technical textile plant in this company. They are planning to invest in manufacturing Sportswear and Seat covers for Automotive.

KNITPRO INTERNATIONAL, UTTAR PRADESH

NitPro Composites is part of a well-diversified Knitpro International group. They were entry into the exciting field of composites to cater to the growing demands across the globe. They started manufacturing the carbon fiber products such as uni-directional & bi-directional fabrics, rods, tubes, sheets and molded parts. They have in-house manufacturing facility & also have the capacity to develop customized composite parts.

KANEKA INDIA PVT. LTD., DELHI

Kaneka is a Japanese international chemical manufacturing company founded in 1949. They manufacture vinyl's and chlor-alkali solutions such as chemicals, polyvinyl chloride, cross-linked PVC, specialty additives, acrylic silicon polymers and Modacrylic Fiber - 600 ton/yr. They have brand name called as KANECARON™ contains vinyl chloride with excellent flame retardancy for applications such as safety, home textiles and children's clothing.

RISHI FABRICS LTD., PUNJAB

Rishi Fabrics was started in 1995 manufacturing high quality knitted fabrics for sportech applications. They have machineries such as Circular Knitting m/cs, Stitching m/cs, Embroidery m/cs and Printing m/cs. They also offer a variety of fabrics such as 3Thread Fleece Fabric, Velour Knitted Fabrics, Terry Knitted Fabrics, Interlock Knitted Fabrics, Rib Fabrics, Sinker Fabrics, Sinker lycra Fabrics, Jacquard knit Fabrics, Auto stripper Fabrics, Feeder stripe, Polar fleece and Jacquards Interlock Fabrics. Current production is about 500 Ton/year.

WORLD TRADERS MANUFACTURING COMPANY, MAHARASHTRA

World Traders Mfg Co., established & founded in the year 1951. They are the representative in India to deal with Textile Machineries for International brands such as Yarn testing m/c, Fabric testing m/c, Fibre testing m/c, Drape test, Spinnerets and Spinneret Inspection system. They also supply European equivalent quality testing solutions for woven, knitted and non-woven technical fabrics.

SUTEX FABRICS & KNITS, GUJARAT

Sutex Fabrics & Knits have machines such as Water Jet m/cs, Warp Knitting m/cs and Circular Knitting m/cs with advance technology. They manufactured woven fabrics and warp knitted fabrics since 2005 for the applications like Indutech - 14 MT/year, Mobiltech - 6 lakh mtr/year, Packtech - 1150 MT/year and Sportech - 246 MT/year.

ADITYA ENTERPRISES, KARNATAKA

Aditya Enterprises is a Bangalore based OEM involved in the manufacturing of composites products, occupational clothing, tools and electronics. As composites OEM they are pultruders, molders and manufacture various products like Insulated rescue hooks, static current discharge rods, residue current discharge rods, Insulates ladders, composites molded parts like helmets, boxes and housing.



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.



ITTA SIGNED MOU WITH TAIWAN TECHNICAL TEXTILE ASSOCIATION (TTTA)

Taiwan Technical Textiles association (TTTA) is the leading technical textile association in Taiwan, having membership consists of cross field manufacturers, distributors, industry groups, R&D units and academic experts. At present TTTA have over 200 members. The objective of MOU is:-

1. To jointly organise International workshop, seminar or symposium for technical textile companies of both the countries.
2. To jointly promote development of product/testing standards.
3. To support major events of Technical Textiles/ Nonwovens and related Industries organized by ITTA and TTTA.

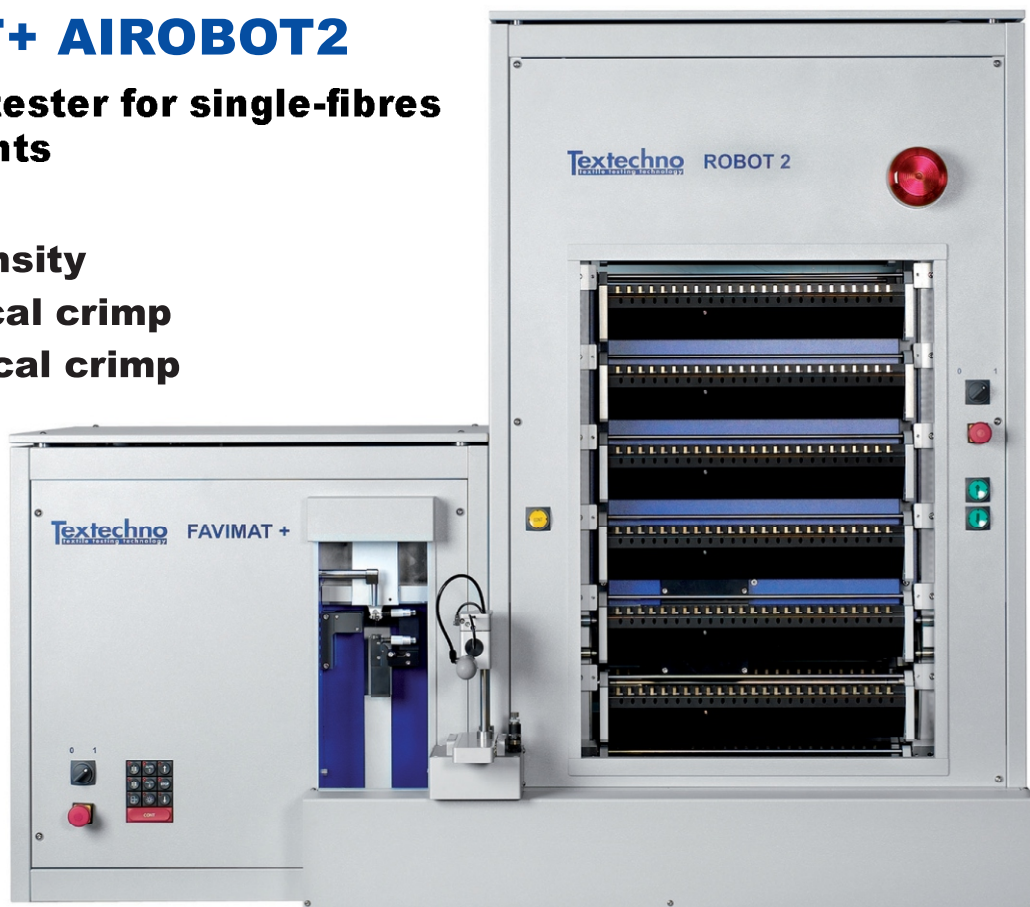
Herbert Stein GmbH & Co. KG.
Germany

Textechno
textile testing technology

FAVIMAT+ AIROBOT2

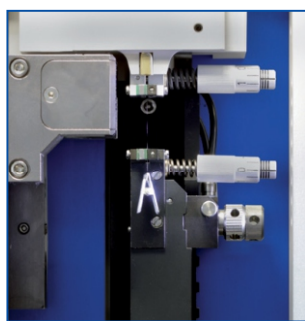
**Automatic tester for single-fibres
and -filaments**

- tensile
- linear-density
- mechanical crimp
- geometrical crimp



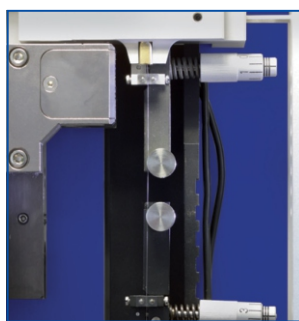
OUTSTANDING FEATURES

CARBON FIBRE TESTING



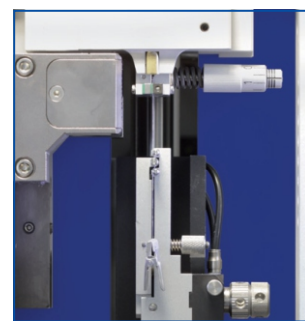
Automatic measurement of **diameter** (calculated from linear density) and **breaking stress** in MPa/GPa

UHMPE FIBRE TESTING



Special easy-to-exchange wrap-bollard clamps for all types of high-tenacity fibres including UHMPE for manual testing

FRICITION TESTING



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<https://protexfiber.com>



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UPCOMING EVENTS

DATES	EVENTS NAME	PLACE	WEBSITE
DOMESTIC EVENTS			
01-04 March 2023	ITMACH INDIA 2023	Gujarat, India	https://www.kdclglobal.com/itmach-india-2023.html
14-16 March 2023	ACREX INDIA 2023 (South Asia's Largest Exhibition on Air Conditioning, Heating, Ventilation and Intelligent Buildings)	Mumbai, India	https://www.acrex.in/home
27-29 April 2023	MEDICAL FAIR INDIA (28th International Exhibition and Conference)	New Delhi, India	https://www.medicalfair-india.com/
02 nd June 2023	ITTA & WRA JOINTLY - NATIONAL CONCLAVE ON SPORTECH - The Future of Sport Textiles and Accessories Industry in India	Delhi, India	https://ittaindia.org/
06-07 July 2023	OSH INDIA SOUTH	Chennai, India	https://www.oshindia.com/
06-08 July 2023	HOMTEX (India International Home Textile Exhibition)	New Delhi, India	https://textilefairsindia.com/homtex/
12-14 September 2023	TECHTEXTIL INDIA 2023	Mumbai, India	https://techtextil-india.in.messefrankfurt.com/mumbai/en.html
28-30 September 2023	9TH EDITION NONWOVEN TECH ASIA (International Exhibition & Conference)	Delhi, India	https://www.nonwoventechasia.com/
18-20 October 2023	WORLD OF CONCRETE 2023 EXPO	Mumbai, India	https://www.woc-india.com/
23-25 November 2023	OSH INDIA	Mumbai, India	https://www.oshindia.com/
INTERNATIONAL EVENTS			
10-13 January 2023	HEIMTEXTIL FRANKFURT	Frankfurt, Germany	https://heimtextil.messefrankfurt.com/frankfurt/en.html
05-08 February 2023	GEOSYNTHETIC CONFERENCE	Kansas, USA	https://geosyntheticsconference.com/
14-16 February 2023	FILTECH 2023 (The Filtration Event)	Cologne, Germany	https://filtech.de/
20-23 February 2023	4th GEOAFRICA (African Regional Conference on Geosynthetics)	Cairo, Egypt	https://geoafrica2023.org/
02-05 March 2023	IWA OUTDOOR CLASSICS 2023	Nuremberg, Germany	https://www.iwa.info/en
28-30 March 2023	INTERTEXTILE SHANGHAI HOME TEXTILES SPRING EDITION	Shanghai, China	https://intertextile-shanghai-hometextiles-spring.hk.messefrankfurt.com/shanghai/en.html
11-12 April 2023	SMART FABRICS SUMMIT 2023	Raleigh, North Carolina	https://smartfabricssummit.com/
18-21 April 2023	INDEX™23	Palexpo, Geneva	https://www.indexnonwovens.com/en/
09-12 May 2023	10th EUROPEAN CONFERENCE ON PROTECTIVE CLOTHING	Arnhem, Netherlands	https://ecpc.nipv.nl
10-12 May 2023	TECHTEXTIL NORTH AMERICA	Atlanta, Georgia	https://techtextil-north-america.us.messefrankfurt.com
04-06 June 2023	OUTDOOR BY ISPO 2023	Munich, Germany	https://www.ispo.com/en/outdoor
08-14 June 2023	ITMA 2023	Milan, Italy	https://itma.com/

DATES	EVENTS NAME	PLACE	WEBSITE
03-06 July 2023	92nd TEXTILE INSTITUTE WORLD CONFERENCE (TIWC 2023)	Huddersfield, UK	https://www.textileinstitute.org/events/tiwc/
17-20 July 2023	WORLD OF WIPES (WOW) (International Conference)	Atlanta, Georgia	https://www.worldofwipes.org/
30 July-04 August 2023	ICCM 2023 (International Conference on Composite Materials)	Belfast, UK	https://iccm23.org
10-12 August 2023	9TH FILTRATION & SEPARATION ASIA (FSA) + 12TH CHINA INTERNATIONAL FILTRATION & SEPARATION EXHIBITION	Shanghai, China	https://en.fsa-expo.com/
16-18 August 2023	INTERTEXTILE SHANGHAI HOME TEXTILES AUTUMN EDITION	Shanghai, China	https://intertextile-shanghai-hometextiles-autumn.hk.messefrankfurt.com/shanghai/en.html
06-07 September 2023	INTERNATIONAL COMPOSITES SUMMIT (ICS)	Milton Keynes, UK	https://www.internationalcompositessummit.com/
12-13 September 2023	RESEARCH, INNOVATION AND SCIENCE FOR ENGINEERED FABRICS (RISE) 2023	North Carolina, USA	https://www.riseconf.net/
17-21 September 2023	12th INTERNATIONAL CONFERENCE ON GEOSYNTHETICS (ICG)	Roma, Italy	https://www.12icg-roma.org/
10-12 October 2023	FILTPOTM 2023	Chicago, USA	https://www.filtppo.com
24-27 October 2023	A+A 2023	Germany	https://www.aplus-online.com/
01-03 November 2023	ADVANCED TEXTILES EXPO 2023	Orlando, USA	https://advancedtextilesexpo.com/
08-10 November 2023	20TH SHANGHAI INTERNATIONAL NONWOVENS EXHIBITION	Shanghai, China	https://en.since-expo.com/
13-16 November 2023	HYGIENIX 2023	New Orleans, LA	https://www.hygienix.org
14-16 November 2023	WATERPROOF MEMBRANES 2023	Cologne, Germany	https://www.ami-events.com/event/8c445995-58fb-4630-9b2d-c9e1c8f07305/summary
19-23 November 2023	ITMA ASIA + CITME	Shanghai, China	https://www.itmaasia.com/
30 November-23 December 2023	2ND EDITION ITME AFRICA & M.E. 2023	Nairobi, Kenya	https://www.itme-africa.com/
22-25 April 2024	IDEA 2024	Florida, USA	https://www.ideashow.org
23-26 April 2024	TECHTEXTIL 2024	Frankfurt, Germany	https://techtextil.messefrankfurt.com/frankfurt/en.html
04-08 June 2024	ITM 2024 (International Textile Machinery Exhibition)	Istanbul, Turkey	https://www.itmexhibition.com/itm2024
17-20 June 2024	WORLD OF WIPES (WOW) (International Conference)	Minneapolis, USA	https://www.worldofwipes.org/
12-14 November 2024	FILTECH 2024 (The Filtration Event)	Cologne, Germany	https://filtech.de/
18-21 November 2024	HYGIENIX 2024	Nashville, USA	https://www.hygienix.org