INDIAN TECHNICAL TEXTILE ASSOCIATION

E-BULLETIN

e-magazine for members

Issue No. 69

September-October, 2020

"NEW OPPORTUNITIES FOR INDIAN TECHNICAL TEXTILES INDUSTRY IN DEVELOPED WORLD MARKET"

content

Issue No. 69 | September-October, 2020

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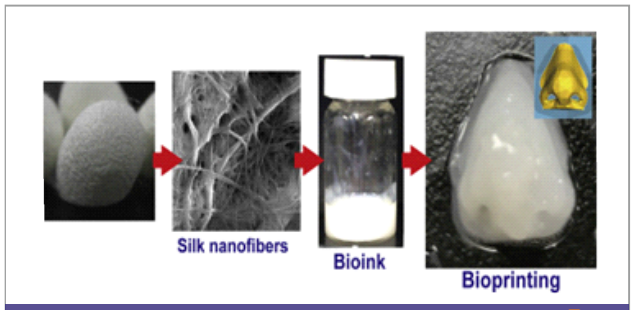

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INDIAN TECHNICAL TEXTILE ASSOCIATION

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Promoting the Growth of Technical Textile Industry in India - Organised by IIT Delhi

Indian Institute of Technology (IIT), Delhi organized a workshop titled "Promoting the Growth of Technical Textile Industry in India" was held on 21st October 2020 on the virtual platform. The workshop was aim to gather information on emerging products and technologies, technology and skill gaps, impediments to growth and overall understanding of the Indian technical textile industry. The workshop was attended by more than 180 participants.

During the workshop, the plenary discussion with all experts was conducted on the following topics:-

1. Emerging opportunities and business interest in the technical textile sector in India.
2. Outlook for production, domestic consumption, and exports of Indian technical textiles.
3. Drivers and impediments to the growth of the technical textile industry in India.
4. Leading countries in technical textile and their growth drivers.
5. Ways to promote domestic and international investment in technical textile industry in India.
6. Recommendations for initiative and interventions needed to accelerate the growth of the technical textile industry in India.

Shri. Amit Agarwal, Vice Chairman, ITTA made a presentation during the workshop. He spoke on the titled - "Growth Opportunities of Indian Technical Textiles Industry - Domestic & Global Markets". He highlighted the current status, growth rate and estimated market size of technical textiles (TT) in India. He presented the statistics of technical textile - Global market in 2019 was USD 256 billion, Indian market in 2019 was USD 19 billion, global per capita consumption is 10-12 kg vs. India's per capita Consumption is 1.7 kg and growth strategy by 2024 is to achieve USD 40 Billion. He also talked about the Export and Import performance for the last 3 years and also TT sector wise. He explained the major work done by the government towards technical textile industry such as 207 HSN Codes for TT products were notified in January 2019, 92 TT products identified for mandatory use across 9 different User Ministries, 364 Indian standards are existing & approx 100+ are under development and New Courses are prepared for different Universities/ Colleges. He emphasized that If the TT sector has to achieve market size of USD 40 Billion in next 5 years, major thrust to be given on- More & More Investments to expand TT industry in India, Availability of High Performance Fibres/filaments-like, Carbon, Glass, Aramid, HMPE, etc., Use of Eco-Friendly chemicals & manufacturing processes/ machinery, Strengthening R&D -Thrust on Innovation, Mandatory Use of Technical Textile Products to boost domestic market and Manufacturing quality products.

Sub-Committee meeting to resolve interpretations/ jurisdictional issues & suggest way forward under ATUFS

The 2nd Meeting of Sub-Committee to resolve interpretations/ jurisdictional issues and suggest way forward under ATUFS was held on 22nd October 2020 through audio-video conferencing under the Chairmanship of Shri. S. P. Verma, Joint Textile Commissioner. Dr. Anup Rakshit, ED, ITTA attended the meeting as the member of committee.

During the 1st meeting held on the 28th August 2020, Dr. Rakshit shared his comments/ views on above subject. In this regard, the committee requested ITTA to submit the Justification to include the backward process/ preliminary process in Spun bond nonwoven line under ATUFS. ITTA submitted the Justification to OTXC on 7th October 2020 for necessary action.

Based on the justification submitted by ITTA, the committee decided to add Extruder in the Spun bond nonwoven line under ATUFS, but Chips storage/ Silo/ Feeder will be considered under spare parts. And also decided that this point will be put up in next TAMC meeting, for taking final decision on it.

Meeting of the Technical Advisory-cum-Monitoring Committee (TAMC) under A-TUFS

The 18th meeting of the TAMC under ATUFS was held through audio-video conferencing on 09th October 2020 under the Chairpersonship of Ms. Roop Rashi, Textile Commissioner. MOM was circulated to all ITTA members.

Major Decisions Taken in TAMC --

a. Ratified inclusion of 33 (Thirty Three) machinery manufacturers and authorized agents.

b. Government body of any country is certifying the manufacturing activities of the applicant and where an Apostille certificate bears the signature and the capacity of the signatory with the seal or stamp, then the same may be considered subject to from the same country, no certification of Embassy had been submitted earlier by any manufacturer.

c. To consider the MEI Label Weaving machines as main machines since it is used for manufacturing of labels for fixing on the garments/ Made ups.

d. To consider Karl Mayer Textile Machinery India Pvt. Ltd. and Karl Mayer India Pvt. Ltd. as a manufacturer.

ITTA PUBLICATIONS

Name of the Publication	Price*	Type of Publication
ITTA Defence Handbook - Indian Technical Textile Products for Defence - A Global Reach	₹750	Handbook
International Conference on "Technology & Machinery Innovations for Technical Textiles" held on 19th January, 2019	₹2000	Seminar Proceedings (CD-ROM)
3rd Defence-ITTA Joint Exhibition cum Seminar on Technical Textile held on 22nd& 23rd May 2017	₹2000	Seminar Proceedings (CD-ROM)
2ndDefence-ITTA Joint Exhibition cum Seminar on Technical Textile held on 15th& 16th June 2016	₹1000	Seminar Proceedings (CD-ROM)
First Indian Navy-ITTA Seminar on Clothing and Footwear held on 7th& 8th January 2016	₹1000	Seminar Proceedings (CD-ROM)
Symposium on Medical Textile -Applications & Opportunities held on 14th July 2015	₹1000	Seminar Proceedings (CD-ROM)
Symposium on Hi Tech Application Areas of Nonwoven held on 30th Jan 2015	₹1000	Seminar Proceedings (CD-ROM)
Handbook on Geosynthetics case studies of ITTA Members (2013)	₹750	Handbook

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New opportunities for Indian Textiles industry in developed world market

COVID-19 has affected the global market conditions but has also opened up new vistas for the Indian textile industry to gain market share of China in the developed world, especially the EU and the US said, Shri. Ravi Capoor, Secretary, Ministry of Textiles, Govt of India.

Addressing the inaugural session of the three-day 'GLOBIZ - Global Textile & Home Furnishing Expo', organized by FICCI on 16th September 2020, Shri. Capoor said that this is the most promising time for the textile industry in India due to strong consumption in the domestic market as well as the growing demand for exports.

"Various countries are looking at Indian markets and it's the time to gear up supply chains, quality and deliver at the promised schedules, which will enable India to become a market leader," he added.

Shri. Capoor also urged the industry to work towards tapping the unexplored global markets. "We are concentrated on a few markets only. We should expand in the markets where India was never present and virtual Shows like GLOBIZ help to do that. This is the time for the textile industry to increase its market share and take advantage of the international markets," he added.

He further said that all stakeholders should plan a huge outreach program in new areas like the LAC, Japan etc. Elaborating on the government's plan to promote the sector, he shared that the Textile Ministry is planning a 'Textile India Fair' which will be the largest virtual fair globally, with over 30,000 buyers expected from different countries.

[Source-https://knnindia.co.in/news/newsdetails/sectors/covid-19-offers-opportunities-for-indian-textiles-industry-to-grab-chinese-share-in-developed-world-market-secretary-textiles-ministry]

Raw material issues faced by textile industry will be addressed

The structural issues on raw material faced by the Indian textile industry will be addressed very soon. However, it is for the industry to utilise the opportunities, diversify, innovate, scale-up and build global brands, stated Ms. Roop Rashi, Textile Commissioner, while addressing the online 14th CEO Conference of the Southern India Mills' Association (SIMA) held on 23th September 2020 coinciding the 61st AGM of the Association.

Textile Commissioner stressed that despite all the odds due to COVID-19 and other challenges; the industry should keep working and should know how to manage the operation with the crisis. In the above context, Ms. Roop Rashi lauded the role played by the medical textiles in the COVID-19 period for the benefit of the medical fraternity.

Stating that textile markets are strong domestically, Textile Commissioner emphasised that the industry should focus on the challenges faced in value addition. The Government would only extend policy support to the industry. There are lot of suggestions coming from the industry and the Government will consider the same, she added.

[Source-https://www.thehindubusinessline.com/news/national/govy-will-extend-only-policy-support-act-as-a-facilitator-roop-rashi-textile-commissioner/article32684187.ece]

Anti-Viral Mattress Protector

Karnataka based Duroflex launches the first-of-its-kind innovation - Duro Safe Mattress Protector, India's first Antiviral Mattress Protector powered by Swiss technology, HeiQ Viroblock which can kill 99.99 per cent virus and bacteria within minutes keeping you and your loved ones safe and protected.

The advanced Duro Safe Mattress Protector is the latest innovation from the brand. It is powered by the intelligent textile technology, HeiQ Viroblock which focuses on comfort and safety. The HeiQ Viroblock technology uses silver ions and vesicles to neutralize viruses on contact. It has been tested on over 94 viruses and found to deactivate them within minutes. Additionally, this protector is also 100 per cent waterproof, anti-dust mite, hypoallergenic and safe for skin making a complete hygiene solution to keep all Indian homes safe and protected.

Mr. Mohanraj J. President Duroflex said, "As a 100 per cent Made in India brand, our aim is that every Indian household is protected by Duroflex Duro Safe. We consciously took a decision to incorporate HeiQ Viroblock technology in our mattress protector instead of our mattresses thereby making the solution more accessible."

Swiss HEIQ Viroblock technology of Duroflex Duro Safe Mattress Protector has been tested according to ISO 18184 as a strong antiviral and ISO 20743 as a strong antibacterial against enveloped viruses and bacteria. It is certified as safe and sustainable as all its ingredients are cosmetic grade, bio-based (72 per cent bio-based carbon), and recycled. It is also EU REACH, and US FIFRA compliant, OEKOTEX® certified, ZDHC, and bluesign® homologized. It is US FDA approved for its antiviral and antimicrobial surface and is also tested to eliminate 99.99 per cent SARS-CoV-2, the COVID-19 causing virus in minutes.

[Source-http://bwhotelier.businessworld.in/article/Duroflex-launches-India-s-first-Antiviral-Mattress-Protector/28-08-2020-314100/#:~:text=Duroflex%20launches%20the%20first%2Dof,loved%20ones%20safe%20and%20protected]

Multi-utility Germ Protection Wipes

Vanesa Care Private Ltd., New Delhi one of the prominent FMCG brands, has unveiled a multi-utility 'Hand in Hand Germ Protection Wipes' that are ideal for instant clean-ups of hands, face, neck as well as the surfaces.

These could be probably India's first alcohol free face sanitising wipes. These advance germ protection wipes are perfect for use at home, office, or in the car and on holiday. These are skin friendly yet hard on germs. Even though 'Hand in Hand Germ Protection Wipes' eliminate 99% of harmful germs instantly they are soft on face and hands, they are made of soft textured fabric. While these germ protection wipes protect from a wide range of unseen germs and pollutants, they keep the skin hydrated and revitalized due to their skin friendly pH and the presence of Aloe Extracts in them.

Mr. Saurabh Gupta, Director, Vanesa Care said, "Currently when infections due to germs and pollutants are rampant, 'Hand in Hand Germ Protection Wipes' have emerged as predominant consumer requirements as they instantly remove dirt, impurities and pollutants from skin and the surfaces. Easy to carry and use these multi-utility advance germ protection wipes are a significant innovation that helps address health and hygiene concerns in the most effective way." Enriched with Vitamin E and Aloe Extracts 'Hand in Hand Germ Protection Wipes' are a must have, for every modern family.

These wipes are also quite convenient and easy to use as they come in peel and reseal pack. The consumers are just required to open the re-sealable area of 'Hand in Hand Germ Protection Wipes' pack, drag out a wipe and use it on face, hands or other surfaces for instant results. The pack can be opened and re-sealed time and time again.

[Source-http://www.businessworld.in/article/Vanesa-Care-launches-Hand-in-Hand-Germ-Protection-Wipes-/29-09-2020-326104]

MEDITECH - Antiviral & Anti bacterial finish, SAP with superfast drying and Plant based nonwoven wipes

UK based Carrington Textiles has developed an Antiviral and Antibacterial Finish for fabrics which have been certified by ISO. The new finish has been developed to respond to the market's needs in a new COVID-19 world where employees of all sectors including healthcare, construction, hospitality, armed forces and heavy industry need to be more protected. This Antiviral and Antibacterial Finish is suitable to use on any woven fabric and works as a coating that is pressed then 'baked' into the fabric using specialised machines at the end of the manufacturing process.

After weeks of testing at an independent laboratory in the UK by using an enveloped virus, the results show an effectiveness rating of over 99 per cent of the antiviral properties of the fabric which deactivates viruses in two hours. Even after 50 washes at 60 degrees 98 per cent of viruses have shown to be deactivated, meaning the protective properties of the textile will last the lifetime of the garment.

This newly tested finish delivers an antiviral fabric that is not only safe for use on face coverings, medical wear, and a wide range of workwear, but also environmentally friendly garments that -due to its best-in-class launderability and long-lasting properties- will help reduce the amount of disposable PPE that ends up in landfill.

The nature of woven materials means that their pores are too big to protect against viruses that are small enough to go through them. This finish works as a barrier that will capture viruses before they had the chance of passing through the pores of the fabric and deactivates them. This coating also kills bacteria the same way, with the added benefit to working as a 'built-in deodorant' as due to its advanced technology protects against unwanted bacteria that causes unpleasant odour.

[Source-https://textilevaluechain.in/2020/09/02/ carrington-textiles-antiviral-finish-found-effective/#:~:text=After%20weeks%20of%20testing%20at,deactivates%20viruses%20in%20two%20hours.]

Personal Protection fabric to stop pathogens

Ahlstrom-Munksjö based in Finland has introduced TrustShield Biological, a personal protective apparel medical fabric designed to protect against hazardous pathogens. These medical fabrics provide superior protection in the operating room, clinical and laboratory environments. These also are laser resistant, protect against chemical permeation, and are highly absorbent.

The TrustShield product portfolio's medical fabrics can be easily converted into medical grade gowns or drapes. These are designed for personal protective apparel applications requiring biological protection to prevent penetration of blood and other hazardous fluids that can spread and cause infections. TrustShield Biological is a bi-laminate (two layers) fabric that consists of a polypropylene-based nonwoven layer designed for comfort, and polyethylene film layer for protection against biohazards.

"It is important to focus on how we can advance product functionality in our smart fibre-based solutions. This holds true especially for our medical business and the protective fabrics we produce to keep front line workers safe. TrustShield Biological further underscores our mission to deliver high performing medical fabrics that fully protect health care workers and patients globally," commented Mr. Lionel Bonte, vice president, Medical, Ahlstrom-Munksjö.

These high performing medical fabrics are used around the world to protect health care workers and patients against viruses, bacteria and fluids. TrustShield Biological joins Ahlstrom-Munksjö's high protection portfolio, which includes ViroSel and PureArmor, Ahlstrom-Munksjö's next generation breathable viral barrier (BVB) fabrics. These innovative fabrics offer both protection and comfort, something that is difficult to achieve together.

[Source-https://www.technicaltextile.net/news/ahlstrom-munksj-unveils-fabric-to-stop-pathogens-269531.html]

Superabsorbent Polymer (SAP) with super-fast-drying

Nippon Shokubai, Japan has developed a novel superabsorbent polymer (SAP) with super-fast-drying absorption property, which could not be achieved in the past. In the sanitary articles industry, where superabsorbent polymers (SAP) are primarily used, not only the demand for disposable diapers for infants but also the demand for sanitary articles for adults (disposable diapers, napkins, pads for light incontinence) has been expanding in recent years. SAP properties required for sanitary articles for adults are different from those required for disposable diapers for infants. Specifically, the ability to quickly absorb liquid (fast-drying) and the ability to prevent the absorbed liquid from leaking (liquid retention) are particularly important.

Nippon Shokubai developed a SAP that is super-fast-drying in comparison with existing products and has about three times better liquid retention property with a new production process. The idea of the new production process was derived from an experiment carried out by a researcher who happened to shift the viewpoint while aiming to develop a production process with improved efficiency. Based on the idea, research, process technology, production, and engineering departments joined their expertise and

succeeded in establishing a commercial production process.

Sanitary articles using this SAP are fast-drying and the surface immediately dries up upon absorption of liquid. Also, due to the excellent liquid retention property and absorbency against pressure, they securely retain the absorbed liquid without allowing leakage. Nippon Shokubai believes that these remarkable characteristics would be able to add great value to sanitary articles for adults, which are expected to grow further in the future.

[Source-https://www.nonwovens-industry.com/contents/view_breaking-news/2020-10-13/nippon-shokubai-develops-super-fast-drying-sap/15325]

Suominen has launched a new plant-based nonwoven for wipes, Biolace Bamboo. Its key features are superior softness and cleanability; it is designed to meet the multiple requirements of various wipe applications. Suominen is a leading Finnish company that makes nonwovens for wiping and hygiene products, and for healthcare applications. All the products in Suominen's sustainable Biolace product family are made exclusively from renewable plant based raw materials and are biodegradable and compostable. Biolace Bamboo is also plastic free.

In addition to its softness, Biolace Bamboo has superior cleanability when wet compared to other commonly used plant-based disposable nonwoven products. The product is also excellent for hygienic cleaning of hard surfaces, such as glass because the material is very low linting. Compared to the traditional fossil-based nonwovens used in wipes, Biolace Bamboo provides a clear advantage in terms of reducing the CO2 footprint.

"Biolace Bamboo offers a luxurious feeling; it is the softest biodegradable alternative to viscose and cotton nonwovens that are typically used in wipes and has a texture reminiscent of a cashmere-silk blend. It's perfect for use with sensitive skin," Ms. Johanna Siren, category manager at Suominen said.

"As the name indicates, the main raw material used in Biolace Bamboo is made by utilising bamboo, a perennial grass that is one of the fastest growing plants in the world. The speed of its re-growth after harvesting makes it a considerable alternative for use in place of other renewable raw materials. We are continuously developing new products into our sustainable product portfolio in order to meet the requirements of our customers and consumers," Ms. Siren added.

[Source-https://www.globenewswire.com/news-release/2020/10/15/2109039/0/en/Suominen-introduces-BIOLACE-Bamboo-for-wipes-a-sustainable-solution-with-superior-softness-and-cleanability.html]

Silk fibre based bio-ink for improving 3D printing

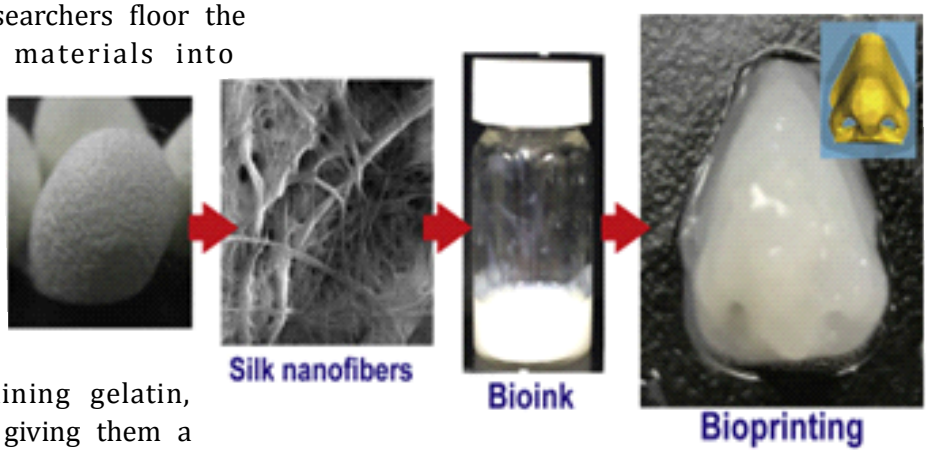
Researchers from the Japanese Osaka University have developed a new silk fiber-based bio-ink for fabricating cell-laden structures with improved printability.

To acquire the fibres, the researchers began with virgin silk, and then eliminated the protein sericin from it as a result of this protein causes irritation in sufferers. Subsequent, the researchers floor the remaining biocompatible materials into nanofibres. The fibres could be sterilised - without damaging them for medical use, with widespread laboratory gear. Their silk fibres are wonderful components to bioink cell printing media. They're suitable with many media, reminiscent of these containing gelatin, chitosan, or hyaluronic acid, giving them a broad vary of potential functions.

The principle function of the fibres was to make sure that the cells within the bioink retained their 3D positioning after printing without damaging the cells. The fibres fulfill this function by enhancing the integrity of the bioink and minimizing the damaging excessive mechanical stresses usually positioned on cells throughout printing.

The fibres assist printed configurations retain their structural integrity after printing. For instance, a nose-shaped configuration retained its form solely when printed with bioink containing the silk fibres. Over 85 per cent of the cells within the bioink remained alive after per week within the printed bioink with or without the added fibres, indicating that including the fibres didn't harm the cells.

Present cell printing know-how usually closely damages cells or doesn't retain the supposed form for lengthy. The analysis right here helps overcome these limitations in a manner that may assist advance drug discovery, regenerative drugs, and plenty of different ongoing high-impact biomedical analysis fields, and has the potential to reinvigorate the silk trade.



[Source-https://www.universalpersonality.com/osaka-team-uses-silk-nanofibres-to-improve-3d-printing/]

DuPont Sorona & Sateri's EcoCosy develop StretchCosy

US based DuPont's Sorona and Shanghai based Sateri's EcoCosy have together developed a new fabric called StretchCosy. The fabric uses a blend of Sorona, a partially plant-based fibre, and Sateri's ultra-comfortable and near weightless EcoCosy fibres to achieve a soft material that is highly stretchable, shape-retaining and, most importantly, sustainably sourced.

StretchCosy combines the mechanical stretch of Sorona stretch fibres, which gives it excellent stretch and long-lasting, consistent recovery, with the soft, cotton-like breathability and smooth silk-like texture of EcoCosy for an unparalleled fabric that is high-performing and well-suited for fashion and sportswear.

Created in 2019, StretchCosy is a fabric breakthrough that made it possible for natural plant-based fibres to be more extensively used in various applications, e.g. t-shirts, shirting, bottoms, jackets, dresses, hoodies and underwear. Previously, cellulosic fibres were rarely found in sportswear, due to concerns such as pilling. The combination of Sorona and EcoCosy in StretchCosy has eliminated this concern, hinting at the future of activewear where performance combined with sustainability will be the norm.

"StretchCosy marries the best of Sorona and EcoCosy. In addition to their complementary properties, both fibres are derived from plant-based materials. Sorona is partially made using renewable plant-based ingredients, while EcoCosy fibres come from certified and sustainable wood sources. The end product, StretchCosy fabric, is not only a natural and comfortable fabric, but also sustainable," Mr. Tom Liu, Sateri's vice president for commercial, said in a press release.

[Source-https://www.fibre2fashion.com/news/fabrics-news/dupont-sorona-sateri-s-ecocosy-develop-stretchcosy-269766-newsdetails.htm]

E-TEXTILES – Electro sensitive fabrics & Digital fitting lab for 3D design

Scientists at Saarland University in Germany have developed a new method to make electro-sensitive fabrics, called e-textiles, in a simple way. The method makes it possible to convert textiles and garments into e-textiles, without affecting their original properties. The textiles remain thin, stretchable and supple. The electrical properties are "dyed" into the fabric.

Their goal was to integrate interactive functionalities directly into the fibres of textiles instead of just attaching electronic components to them. In the research group on human-computer interaction at Saarland Informatics Campus, they are investigating how computers and their operation can be integrated as seamlessly as possible into the physical world. This includes the use of electro-interactive materials.

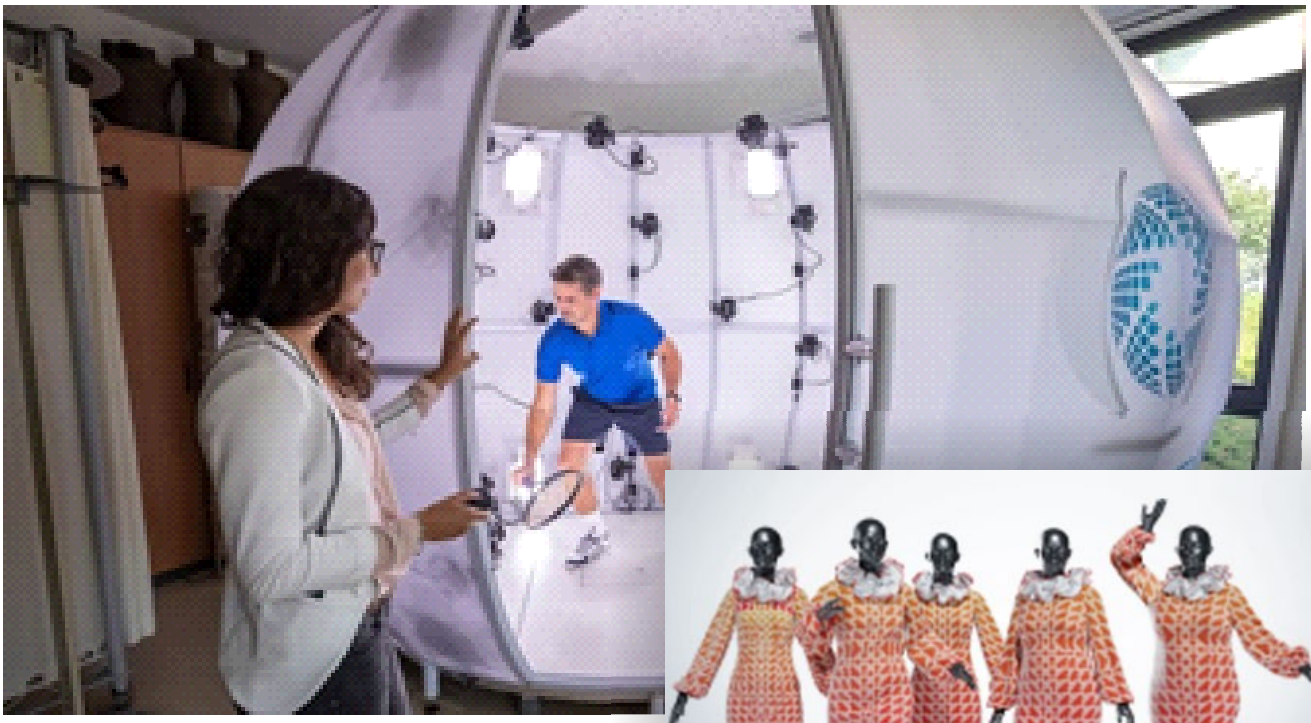
Previous approaches to the production of these textiles are complicated and influence the haptics of the material. The new method makes it possible to convert textiles and garments into e-textiles, without affecting their original properties – they remain thin, stretchable and supple. This creates new options for quick and versatile experimentation with new forms of e-textiles and their integration into IT devices.

Especially for devices worn on the body, it is important that they restrict movement as little as possible and at the same time can process high-resolution input signals. To achieve this, the researchers are using the in-situ polymerisation process. Here, the electrical properties are "dyed" into the fabric. A textile is subjected to a chemical reaction in a water bath, known as polymerisation, which makes it electrically conductive and sensitive to pressure and stretching, giving it so-called piezoresistive properties. By "dyeing" only certain areas of a textile or polymerising individual threads, the Saarbrücken-based computer scientists can produce customised e-textiles.

In their test runs, the researchers have produced gloves that can digitally capture hand movements, a zipper that transmits different electric currents depending on the degree of opening, and sports tapes that act as user interfaces that are attached to the body.

[Source-https://www.azosensors.com/news.aspx?newsID=14131
or
https://www.eurekalert.org/pub_releases/2020-10/su-wid101320.php]

Digital Fitting Lab to access advanced 3D design



Sweden based Hohenstein had launched the new Digital Fitting Lab to access the advanced 3D design, fitting and visualization services to implement, or supplement their 3D design process for Brands, retailers and suppliers.

The Digital Fitting Lab utilizes Hohenstein's deep knowledge of pattern making and fit development, along with digital design technologies, to reduce physical prototypes and material waste, shorten development times, develop more accurate fit across sizes and create engaging imagery for sales and marketing.

The new lab also accesses Hohenstein's material testing lab for digitizing material parameters. The Digital Fitting Lab covers all requirements for successful and efficient translation of 3D designs into well-fitting products and realistic digital product communication:

- Sizes: the knowledge and the measurements of the target group are crucial.
- Pattern: a solid pattern is a prerequisite for good fit and consistent manufacturing and the basis for using avatars.
- Avatars: life-like representation of the target group is key to designing across sizes and projecting brand image.
- Material: realistic simulation depends on accurate, consistent material characteristics.
- Visualization: 3D imagery aids product communication or supplier instructions.
- 3D fitting: digital prototyping can be done with the wholistic knowledge of shapes, construction and materials. Engineers and 3D fitting experts work on reliable methods for successful 3D fitting.
- Fit in motion (4D): movement affects fit and appearance; fit affects movement.
- Training: consulting services, workshops and the Hohenstein Academy help get team members and suppliers working efficiently.

[Source-https://www.innovationintextiles.com/smart-textiles-nanotechnology/hohenstein-introduces-digital-fitting-lab/]

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MECHANICAL DATA: Full page size: 210 mm x 297 mm, Preferable artwork size: 190mm x 277 mm , Bleed margin = 3 mm on each side (Final Design with bleed area: 216 mm x 303)

MATERIAL FORMAT: CorelDraw/ High Resolution PDF/ 300 dpi JPEG

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NEW MEMBERS

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KTEX is a leader in the nonwoven fabrics industry, specializing in providing innovative fabrics for the hygiene, medical, and industrial markets. They make Spun-Melt, Spun bond and Speciality Fabrics for applications in Meditech, Agrotech & Indutech. They manufactured fabrics for crop cover, weed fabric, etc - 1500 MT/year and for adult diaper, baby diaper, sanitary napkins, facemasks, etc. -5500 MT/year (FY 2019-20) with latest technologies.

MAF CLOTHING PVT. LTD., KARNATAKA

MAF Clothing is into manufacturing of casual wear shirts & t-shirts, ladies garments, etc. which are exported to different countries like Europe, England, Germany, Australia and UAE. Lately, MAF has launched into other areas of garmenting such as Home Textiles i.e. curtains, pillow covers, bed linen, etc. and Medical Textiles i.e. PPE Coverall, N-95 facemasks, surgical gowns, etc. - 392.61 Cr. (FY 2019-20). They have machineries like mask making m/c, seam sealing m/c, ultrasonic sewing m/c, cuff and collar m/c, cutting m/c, etc.

PRISM TEXTILE MACHINERY PVT. LTD., GUJARAT

Prism Textile Machinery is one of the most leading and emerging textile machines manufacturing unit. They have one stop solution for Weaving preparatory, Denim manufacturing & Technical Textile Machineries. They have manufactured & installed more than 750 machines successfully with 90% reputed clients and have all in-house manufacturing facilities. By considering their infrastructure & as per requirement, they can manufacture up-to 60-70 Cr. m/cs.

GOKALDAS EXPORTS LTD., KARNATAKA

Gokaldas Exports (GEL) is a leader apparel manufacturer and exporter in India. They design, manufacture and sale a wide range of outerwear, active wear and fashion wear for men, women and kids in the field of Sportech. The Company mainly manufactures Tops and Jackets. It's an ISO 9001:2008, SA 8000 & WRAP certified company. The company received award as the Best EOU for outstanding performance. During the pandemic, the Company manufactured more than 700K PPE kits (FY 2019-20) for HLL and DRDO.

TALREJA TEXTILE INDUSTRIES PVT. LTD., MAHARASHTRA

Talreja Textile Industries is in the business of Interlinings since more than 6 decades. They manufacture both Fusible and Non Fusible Interlinings with production capacity of 72 lakh mtrs (FY 2019-20). The group has two plants located at MIDC Navi Mumbai. They cater to the requirements of the domestic as well as international garment sector under their brand name "TALCO". They also have a marketing presence in Middle East and Far East Asia. Their Interlinings are certified under the OEKO TEX STANDARD 100 CLASS II.

EXPORT-IMPORT PERFORMANCE OF TECHNICAL TEXTILE PRODUCTS OF AUGUST 2020

(ITTA Analysis on Ministry of Commerce and Industry Data)

The data on export and import of 207 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	Aug 2019	Aug 2020	% Growth	Apr'18-Aug'19	Apr'19-Aug'20	% Growth
1	Agrotech	48	54	13%	248	232	-7%
2	Buildtech	49	48	-1%	300	221	-26%
3	Clothtech	19	17	-12%	84	72	-15%
4	Geotech	85	154	82%	374	579	55%
5	Hometech	14	13	-6%	57	56	-1%
6	Indutech	155	143	-8%	814	613	-25%
7	Meditech	87	110	26%	442	412	-7%
8	Mobiltech	111	111	-1%	592	435	-27%
9	Packtech	487	470	-4%	2256	1788	-21%
10	Protech	77	35	-55%	239	117	-51%
11	Sportech	16	20	22%	98	123	25%
12	Nonwoven	81	130	60%	426	443	4%
	GRAND TOTAL	**1229**	**1305**	**6%**	**5930**	**5091**	**-14%**

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

ITTA Analysis on Monthly data (Aug'19 vs. Aug'20) of Top Three Growth Sectors -

a) **Geotech (+82%) -** Key Products: Woven Geotextiles and Geogrid.

b) **Nonwoven (+60%) -** Key Products: Wadding of man-made fibres, Nonwovens of Man-Made Filaments: weighing not more than 25 g/sqm, Nonwovens of other filaments: weighing not more than 25 g/sqm and Needle loom felt.

c) **Meditech (+26%) -** Key Products: Medicated cotton wool & lint, Sanitary Napkins & Tampons and Burn therapy dressing.

ITTA Analysis on Yearly data (Apr'18-Aug'19 vs. Apr'19-Aug'20) of Top Two Growth Sectors -

a) **Geotech (+55%) -** Key Products: Woven Geotextiles, Geogrid and Geo-composites.

b) **Sportech (+25%) -** Key Products: Bleached Parachute fabrics, Dyed Tent fabrics and Sports Nets.

B. IMPORT PERFORMANCE

(Value in INR Cr.)

Sr. No	Segments	Aug 2019	Aug 2020	% Growth	Apr'18-Aug'19	Apr'19-Aug'20	% Growth
1	Agrotech	29	25	-15%	160	99	-38%
2	Buildtech	178	56	-68%	825	360	-56%
3	Clothtech	18	12	-36%	120	46	-61%
4	Geotech	140	75	-46%	713	382	-46%
5	Hometech	52	27	-48%	256	158	-38%
6	Indutech	230	149	-35%	1112	760	-32%
7	Meditech	57	45	-21%	245	189	-23%
8	Mobiltech	402	233	-42%	2165	1123	-48%
9	Packtech	33	33	1%	208	149	-29%
10	Protech	49	21	-56%	211	154	-27%
11	Sportech	11	10	-10%	49	35	-29%
12	Nonwoven	164	110	-33%	743	557	-25%
	GRAND TOTAL	**1363**	**796**	**-42%**	**6807**	**4012**	**-41%**

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

ITTA's Observations on Import data - In view of the preventive measures & announcement of nationwide lockdown by the Govt. to contain spread of COVID-19 pandemic. Majority of the technical textile companies were not operating from the end of March 2020 onwards. This has had an impact on the import of the TT products manufactured by the companies and also subsequent restrictions on the import.

UPCOMING EVENTS

SEPTEMBER 2020

CINTE TECHTEXTIL CHINA 2020
2-4 September 2020 in Shanghai, China
Web: https://cinte-techtextil-china.hk.messefrankfurt.com/shanghai/en.html

OUTLOOK™ 2020 (Virtual)
23-25 September 2020
Web: https://www.edana.org/events/outlook/outlook-europe

RESEARCH, INNOVATION & SCIENCE FOR ENGINEERED FABRICS (RISE) CONFERENCE (All Virtual)
29-30 September 2020
Web: https://www.riseconf.net

F2F SOURCING SHOW 2020 (VIRTUAL TRADE EXPO)
15 September-15December 2020
Web: https://www.fibre2fashion.com/trade-fairs/f2f-sourcing-show-2020-57591

OCTOBER 2020

***WEAR CONFERENCE 2020 - SMART FABRICS & WEARABLE TECHNOLOGY* (Virtual)**
13-15 October 2020
Web: https://www.wearconferences.com

COMPOSITES VIRTUAL SUMMIT
19 October 2020
Web: https://www.accelevents.com/e/composites20

NOVEMBER 2020

E-TEXTILES (Virtual)
3-4 November 2020
Web: https://e-textilesconference.com

IFAI VIRTUAL EXPO 2020
2-12 November 2020
Web: https://ifaiexpo.com

HYGIENIX (Virtual)
17-19 November 2020
Web: https://www.hygienix.org

JANUARY 2021

HEIMTEXTIL (International Trade Fair for Home and Contract Textiles)
12-15 January 2021, Frankfurt, Germany
Web: https://heimtextil.messefrankfurt.com

TECHTEXTIL RUSSIA
26-28 January 2021, Moscow, Russia
Web: https://techtextil-russia.ru.messefrankfurt.com

FEBRUARY 2021

FILTECH 2021
23-25 February 2021 in Cologne, Germany
Web: https://filtech.de

MARCH 2021

COMPOSITE-EXPO 2021
30 March-1 April 2021 in Moscow, Russia
Web: http://www.composite-expo.com

APRIL 2021

OUTLOOK™ 2021
21-23 April 2021 in Lisbon
Web: https://www.edana.org/events/outlook/outlook-europe-2021

MAY 2021

TECHTEXTIL 2021
4-7 May 2021 in Frankfurt, France
Web: https://techtextil.messefrankfurt.com/frankfurt/en.html

JUNE 2021

ITMA ASIA + CITME 2020
12-16 June 2021 in Shanghai, China
Web: http://www.itmaasia.com

35TH INTERNATIONAL TEXTILE MACHINERY (ITM) EXHIBITION
22-26 June 2021in Istanbul
Web: https://www.itmexhibition.com/itm2021

AUGUST 2021

TECHTEXTIL NORTH AMERICA
23-25 August 2021, North Carolina, USA
Web: https://techtextil-north-america.us.messefrankfurt.com

SEPTEMBER 2021

INDEX
7-10 September 2021, Geneva, Switzerland
Web: http://www.edana.org

OCTOBER 2021

A+A
26-29 October 2021, Düsseldorf, Germany
Web: https://www.aplusa-online.com