TAI – South India Unit Celebrated its Foundation Day

The Textile Association (India) South India Unit was established in 1948 and the first foundation day was celebrated on 16th May, 1950 at WOODLANDS Hotel, Coimbatore with 20 Life members and 80 Ordinary members.

TAI - South India Unit has been conducting the foundation day programme every year during the third week of May month. 72nd Foundation Day program was organized by TAI – South India Unit on 21st May, 2022 at Coindia Hall, Avarampalayam Road, Peelamedu, Coimbatore.

Shri Sathyanarayana , Vice President, TAI – South India Unit delivered the welcome address and Shri K. Gandhiraj, Honorary Secretary explained the activities of TAI – South India Unit and the role of Founders TAI – SIU with power point presentation.

Then, Chief Guest, Shri Ashwin Chandran, CMD of Precot Limited delivered a special address and released the Book “Manufacturing Excellence in Spinning Mills” authored by Shri A. Kanthimathinathan, CEO, WINSYS SMC. The Guest of Honour, Shri S. Hari Shankar, JMD of Lakshmi Card Clothing Mfg. Co. Pvt. Ltd. received the first copy of the Book and delivered Keynote Address. Then Shri A. Kanthimathinathan briefed about the book. Followed by the book release event, the Technical Presentation was given by Shri D. Jayaraman, Deputy Director of SITRA on the topic “Moving towards Synthetics – Challenges in Processing of Synthetic rich blends”.

The Presentation was very useful and more interesting with highly valuable information on the Synthetic Processing for about 120 minutes.

About 220 members and professionals attended the program. All the participants appreciated the presentation and the program, which was the need of hour for all Textile Professionals.

Finally, Shri A. Sivarakrishnan, Honorary Joint Secretary, TAI- South India Unit delivered the Vote of Thanks and ended with dinner participation.

The entire programme was well organized and the master of ceremony was done by Mr. Sivakumar, Honorary Joint General Secretary of TAI – Central Unit. TAI – South India Unit committee members have extended their full co-operation and support for the success of this program.
Naturally sustainable solutions for composite reinforcements

Sustainable solutions for composite reinforcements and exhibition premiere for STOLL - KARL MAYER with two highlights at JEC World, 03.-05.05.2022 in Paris.

After a three-year break due to corona, the global composites industry came together again for the first time at a JEC World. The leading composites industry event was held in Paris from May 3-5, 2022. It exceeded all expectations in terms of product launches, content, business activities and attendance. In total, more than 32,000 trade visitors from over 115 countries were counted in Paris and on the JEC World Connect digital platform. The online format celebrated its premiere and was offered parallel to the presence event.

There were 1,201 exhibitors at the exhibition center in Paris. There were 26 pavilions and the launches of 500 new products. With the impressive figures, dynamic networking and lively business activity, JEC World once again confirmed its exposed position in the exhibition landscape of the composites industry. By the end of the event, 50% of the exhibition space for JEC World 2023 had already been booked. The KARL MAYER Group will also be back next year.

This renowned global player celebrated a premiere at this year’s trade fair: for the first time, it was represented in Paris by its STOLL Business Unit and thus also had solutions from the flat knitting sector in its trade fair luggage. KARL MAYER Technische Textilien also presented the possibilities offered by its innovative machines for the production of reinforcement textiles. The highlight here was a snowboard made from a scrim produced from flax fibres. Composites made from renewable raw materials were the hit of the show. “Many of the solutions are still in the early stages of large-scale production, but they are an interesting alternative in terms of sustainability,” says Hagen Lotzmann, The Sales Manager of KARL MAYER Technische Textilien.

KARL MAYER’s flat knitting unit also drew a positive conclusion. The presentation in Paris had provided a lot of food for thought and created new opportunities for networking, explained Martin Legner from STOLL Sales. In addition, he said, there was broader input when discussing various topics. Among the possibilities offered by STOLL’s flat knitting solutions in the field of technical textiles are the production of shaped articles and low-waste textiles. In addition, various materials, yarns and fibers can be integrated into knitted goods directly on the machine.

CEMATEX introduces online Business Platform

CEMATEX introduces online Business Platform to connect Global Textile Community

ITMAconnect platform is available to all ITMA 2023 participants before, during and after exhibition.

An online platform that allows ITMA 2023 participants to build connections, source technologies and solutions, share ideas and grow their business has been introduced by CEMATEX - the European Committee of Textile Machinery Manufacturers and owner of ITMA 2023.

ITMAconnect is the new one-stop sourcing platform and knowledge hub that complements the ITMA 2023 exhibition which will be held at the Fiera Milano Rho, Milan, from 8 to 14 June 2023. It will enable exhibitors, visitors and industry partners to start their engagements before the exhibition, make appointments for in-person meetings at ITMA 2023, and continue their discussions even after the exhibition.

Mr. Ernesto Maurer, President of CEMATEX, said: “Even before the Covid-19 pandemic, we have been exploring ways to add value to our participants in the digital space. We are excited that with the launch of ITMAconnect, we now offer the global textile community enhanced opportunities that extend beyond the physical exhibition. We hope exhibitors will make full use of this online platform to keep their contacts engaged while generating new leads to grow their business.”

Exhibitors will be able to pinpoint business opportunities in advance by allowing them to have access to ITMA 2023 buyers early. They will be assigned ITMAconnect digital spaces for them to present their company information, upload brochures and press releases, and showcase their products. They can also start their engagements with the smart messaging and video meeting feature, and schedule in-person meetings via the business matching tool.

ITMA 2023 exhibitors will automatically become ITMAconnect subscribers. There are several subscription tiers offering varied features to suit the needs of the exhibitors. Access to the platform for exhibitors to prepare their digital showcases will be available from 15 November 2022.

Similarly, visitors will enjoy a two-in-one offer to gain access to ITMA 2023 as well as the online sourcing platform when they purchase their badges. Online access starts from 8 March 2023.

After the close of the exhibition, ITMAconnect will be open to non-ITMA 2023 visitors who will be able to purchase an ITMAconnect visitor ticket to gain access to the platform from 15 June 2023. Access to ITMAconnect for all ITMA 2023 participants will expire on 14 June 2026.

Ms. Julietta Pagliuca, Project Manager of The Brazilian Textile and Apparel Industry Association (ABIT) shared: “It is great to learn that with ITMAconnect, we can now get in touch with ITMA 2023 exhibitors conveniently through the platform even before the exhibition. This will help our members’ plan their visits better since ITMA is such a big show and there are so many innovative technologies to explore.”

The ITMAconnect platform will also allow participants to access content all year round, making it the go-to knowledge hub for textile related content and events, including webinars, community forums and showcases by exhibitors.

ITMA 2023 introduces online Business Platform to connect Global Textile Community

ITMA 2023 introduces online Business Platform to connect Global Textile Community

ITMA 2023 introduces online Business Platform to connect Global Textile Community

ITMA 2023 introduces online Business Platform to connect Global Textile Community

ITMA 2023 introduces online Business Platform to connect Global Textile Community

ITMA 2023 introduces online Business Platform to connect Global Textile Community

ITMA 2023 introduces online Business Platform to connect Global Textile Community
Data-based success for fabric manufacturers

Automated fabric inspection delivers quality and optimization along the process chain

Producing quality fabrics is much easier with automated inspection. Uster EVS Fabriq Vision gathers quality data and presents it in an album, which is used to certify the quality of each fabric roll, with total traceability. It combines quality assurance and process optimization – automatically – in a solution which is already popular in technical textiles.

Smooth and fast

Fabric producers need to guarantee reliable quality, which demands a consistently high rate of defect detection. Uster EVS Fabriq Vision ensures this by using automated control during intermediate and final inspection, removing the need for manual inspection.

Multiple spectrosopes inspect the material. Unique image processing algorithms identify all defects automatically, recording them in a dataset for each produced roll – which is also used for traceability. A defect map is automatically generated, to help operators understand the allocation of defects in the fabric roll. This information is also available at an offline PC in the Fabric Album software, which is a valuable tool for optimizing data for final cutting or further processing steps.

Effective – and people-friendly

A good investment shows up in spreadsheets for performance and sales – but it’s also confirmed by feedback from shopfloor personnel, as with Uster EVS Fabriq Vision.

Staff working daily with this fabric inspection system will soon recognize that it’s a game-changer, because the inspection routine is increasingly automated. It works smoothly and quickly, in real time, checking every roll and locating every defect, at line running speeds.

Fabriq Album has even more people-friendly tools to make life easier for users. With manual classification, defects can be given customer-specific codes to identify each defect clearly. Unwanted images or defects, which can be ignored, can be removed automatically from the dataset. But, then it will be retained in a hidden layer, for completeness of the dataset.

The future starts

The Fabriq Album software ensures optimum inspection efficiency and throughput. Machine learning capabilities and the implementation of AI-assisted defect classification extend the use of quality data generated by Fabriq Vision. Uster Fabriq Inspection solutions bring the added benefit of helping customers to prepare for a digital future.

Uster’s use of Artificial Intelligence for automated fabric inspection was the subject of Michelle Salg’s talk at Techtextil Frankfurt. The Uster Product Manager for Fabric Inspection spoke in the Digitalization and Artificial Intelligence session, on June 22. Anyone who missed it can see all the details from her white paper available at uster.com/adic.

Data-based delivers

Leaders in fabric manufacturing – including knitters – can use Fabriq Vision to help make their own customers more successful. The key is the Fabriq Album. The whole finishing process contains different steps, sometimes executed by various companies. The dataset in Fabriq Album, generated by automated fabric inspection, is effectively a quality status report of process inputs, allowing manufacturers to manage all process steps for optimal output. Therefore, Fabriq Album empowers quality control and optimized end-products along the production chain.

The quality report, automatically created by Fabriq Album, can be provided to customers as an add-on, to give full transparency for every meter of the fabric. In technical textiles, and everywhere fabric inspection is needed – or should be – Uster Fabriq Vision can tap the potential to deliver major benefits for business.

The Textile Association (India) – Mumbai Unit

Organizing

International Conference

On the theme

“Digitalization – A step towards Textile 4.0”

On Friday, 14th October, 2022

at

Hotel The Lalit Mumbai, Mumbai

For more details, Please contact:
602, Santosh Apartment, 6th Floor, Plot No. 72-A, Dr. M. B. Raut Road, Shivaji Park, Dadar (W), Mumbai – 400 028
Tel.: 022-35548583, Mob.: 9324904270, 9324904271
E-mail: taimumbaiunit@gmail.com
The TCO 21 - Boosting high-speed combing

Life isn’t easy for yarn producers. They need to improve raw material utilization. They need to boost productivity while balancing between quality and economy. They need to increase yarn quality to fulfill customer requirements. And they need to do it in combed applications where high-quality standards are essential. Those are some big challenges. The TCO 21 combing machine from Trützschler offers an innovative solution.

Since it was first launched in 2021, the TCO 21 has been delighting customers around the globe with its innovative features and enormous optimization potential. The first large-scale installations are now up and running in the world’s most important combing markets. And the results are extremely positive!

The TCO 21 offers automatic optimization functions and is the first ever comber to feature 100% Trützschler technology. That powerful combination is now improving efficiency, productivity and quality in yarn-producing markets worldwide.

Optimized for high-speed combing

The TCO 21 is unique because it features the PIECING OPTIMIZER technology, which reduces fiber stress, especially during high-speed combing. And it works at the push of a single button. This is valuable for yarn producers because the pilger step movement - and the overall acceleration behavior of the detaching rollers - often acts as a bottleneck when operating at high speeds up to 600 nips/min.

A simple comparison: A detaching roller (48 g) in a high-speed comber accelerates roughly 8 times faster than a formular one car (6 g).

Testing data: High-speed combing

Tests clearly show the potential value offered by the PIECING OPTIMIZER technology for high-speed combing. Technologists examined the level of performance that customers can achieve with a yarn count of Ne 30 made from US cotton. The number of yarn imperfections remained constant even when increasing the combing speed from 500 to 600 nips/min - which is a 20% higher production rate. Most important, the amount of noil also remained in the same range for all three trials. In fact, the total number of imperfections in the yarn (measured as IPI) was slightly lower because of fewer thick spots and neps.

Overall, the TCO 21 has demonstrated its capacity to deliver optimal yarn results even when increasing the production rate by up to 20%.

Testing data: Production increase with a yarn count of Ne 20

Trials have shown that the TCO 21 can achieve a 20% increase in production output compared to the current combing machine from a competitor for yarn counts of Ne 20 - while also generating less noil. Operating at a rate of 600 nips/min instead of 500 increases yarn production per comber set by around two metric tons per day (depending on the specific settings). Importantly, the TCO 21 is able to provide this production increase while delivering similar yarn quality in terms of IPI and uniformity - and also reducing noil. The tests show that the TCO 21 can reduce the noil noil by 0.43% compared to the competitor’s machine.

Testing data: Production increase with a yarn count of Ne 40

The TCO 21 also demonstrated a 20% production increase and similar yarn quality compared to a competitor’s machine for yarn counts of Ne 40. With a production increase of 10% - e.g. producing 550 nips/min instead of 500 nips/min - the yarn results improved with the TCO 21. Furthermore, the number of faults per kilometer only very slightly worsened with a 20% increase in production. In addition, yarn uniformity remained at the same level in all trials, even when the production rate increased. The comber noils were at the same level too.

Testing data: Production increase with a yarn count of Ne 60

In the final trial, which involved a yarn count of Ne 60, the TCO 21 proved its capacity to achieve a 5% or 10% higher production rate with up to 26% better results for yarn quality. Of course, it is more difficult to improve production rates and maintain quality when working with finer yarns. But also in this comparison the TCO 21 demonstrated its excellent performance and advantage compared to the competitor product. Remarkably, yarn results improved in this test when the production rate for the TCO 21 was increased by 5% and 10%. The overall IPI was 21% and 26% lower compared to the competition. Despite higher production rates, yarn evenness also remained slightly better than the competitor machine’s level. And the noil was constant across all three production rates that were tested.

Tapping into the full potential of the TCO 21

The results from these tests are extremely positive and we are confident that the unique machine concept has additional potential. Trützschler’s experts are now working side-by-side with our customers to open up new ways of further optimizing the performance of this machine in various application areas. However, the TCO 21, our first comber with 100% Trützschler technology, will help our customers improve their competitive position in the global yarn market.
Lenzing expands carbon-neutral fiber portfolio

Lenzing expands carbon-neutral fiber portfolio for Workwear and Protective Wear segments

- Lenzing showcases carbon-neutral Lenzing™ FR fiber at Techtextil Frankfurt in a newly launched collaboration with long-time partner Textil Santanderina
- New offering addresses rising sustainability needs of the Workwear and Protective Wear segments and provides full traceability and transparency of the fiber
- Lenzing also extends carbon-zero TENCEL™ branded fiber offering to Workwear segment through long-time partnership with Klöpman

Lenzing Group, a leading global producer of wood-based specialty fibers, showcased its new carbon-neutral Lenzing™ FR fiber offering for the Protective Wear segment at Techtextil Frankfurt today. Lenzing demonstrated its new offering through collaboration with long-term partner Textil Santanderina, a Spanish textile company. Lenzing also showcased how carbon-zero TENCEL™ branded fibers launched in 2020 could be used in the Workwear segment through collaboration with another valued partner, European fabric manufacturer Klöpman. The two partnerships mark an important milestone as Lenzing takes an active role in providing eco-friendly alternatives for manufacturers in various segments, collaborating with leading industry partners to find new solutions and redefine sustainability standards.

Enabling sustainability and traceability of supply chains

Due to increasing environmental awareness across all industries, organizations across both private and public sectors are looking to become more sustainable, opening a new playing field for innovative eco-friendly products. As such, Lenzing has created the carbon-neutral Lenzing™ FR fibers that are made using a sustainable cellulose solution for the Protective Wear segments. In addition to the benefit of reduced carbon footprint, these fibers also offer supply chain transparency as part of Lenzing's fiber identification technology. This technology enables full traceability of the fiber and protects products from counterfeiting.

"Sustainability is becoming a key driver in the Workwear and Protective Wear segments," said Oliver Spöcker, Director of Protective Wear & Workwear, Lenzing AG. "The future success of Workwear and Protective Wear lies in a combination of performance, comfort and sustainability. At Lenzing, we are committed to providing solutions that enable our customers to meet the increasing standards for supply chain transparency and carbon emission reductions."

Collaboration is key to create an impact

For more than 30 years, Lenzing has partnered closely with Textil Santanderina, a Spanish textile company that has an extensive product range, from cotton classics to the latest innovative offering. The company is now incorporating the newly launched carbon-neutral Lenzing™ FR fibers into its Protective Wear offerings.

"Sustainability is becoming a global priority. In some cases, it is even more than a priority, it is an obligation. We are constantly working on new ways of developing and producing textile products with sustainability at its core," said Angel Parés, TECHS Manager for Textil Santanderina. "We are proud of being the first company worldwide to work with carbon-neutral Lenzing™ FR fibers and we would like to thank Lenzing for the opportunity."

Lenzing first partnered with Klöpman more than a decade ago to replace cotton with TENCEL™ Lyocell fibers. The company then moved forward to another step by using TENCEL™ fibers with REFIBRA™ technology two years ago. Klöpman are now building on this partnership by becoming the first company in the Workwear segment to incorporate carbon-zero TENCEL™ fibers. The collaboration represents a growing demand for sustainability in Workwear, on top of performance and functionality.

“We are extremely proud of our partnership with Lenzing and the significant growth we’ve seen over the last ten years. By offering carbon-zero TENCEL™ fibers in all our collections, we are enabling companies to actively reduce their carbon footprint and align with the updated guidelines for sustainable textile products from governments in the EU," said Amaury Sartorius, Managing Director at Klöpman. "There is no other option for the future of our planet than investing all our efforts in saving resources, reusing materials, and optimizing production."

As transparency requirements and carbon reduction targets on textile products become the norm globally, Lenzing will continue to develop innovative and sustainable solutions which address the needs of industry partners, customers and the environment.
Sales success of a solution for more efficiency in warp preparation

KARL MAYER

Lotustex Textile invests in KARL MAYER’s first LINK-MATIC® system for automatic batch change on PRODYNE®-S slasher indigo dye range

KARL MAYER has placed its first LINK-MATIC® system on the market. The sophisticated automation solution considerably simplifies the batch change on indigo and sizing machines, thus increasing productivity. An increase of up to 30% is possible, depending on the number of batch changes per day. In addition, less yarn waste is produced. Up to 600 m, on indigo dyeing range, of unusable yarn material can be saved with each batch – while at the same time requiring less manpower. During batch changes, only one operator is required to prepare the warper beams for entry into the machine.

A fully automatic knotting unit couples the warp yarns of the new batch to the yarns of the batch just finished.

Lotustex Textile has recognized all these advantages for itself. The Egypt-based denim manufacturer, which was only founded in 2019, was the first company to invest in the innovative LINK-MATIC® system in recent months in order to optimize the performance of its PRODYNE®-S sizing machine. Especially for its activities in the fashion sector, Lotustex Textile expects a significantly higher flexibility and cost reduction. The delivery date for the new acquisition is November 2022.

Continuous processes with LINK-MATIC®

LINK-MATIC® makes it possible to automate the batch change on the PRODYNE®-S and PROSIZE® with two subsystems. The first subsystem focuses on feeding the yarn sheets of the new batch from the warper beams to the infeed of the machine. The yarn material is guided to its destination in the lower section of the warper beam frame. Previously, it had to be threaded by hand, usually by two skilled workers, under the bottom cover. The lengthy, complicated process resulted in a batch of waste and numerous sources of error.

Fully automatic knotting unit on the LINK-MATIC® system

With the new solution, only one operator fixes the warp yarns of a warper beam in homogeneous distribution by a clamp in beam length. He then guides the clamp downward and hooks it into a transport chain on each side. The circulating chains take care of the transport to the machine. The time savings are immense. What’s more, the quality is right. The yarns are guided to the machine with uniform, constant tension. Here, the second dividing system cuts the warp yarns of the finished batch at the infeed and knots on the warp yarns of the new batch - each with high precision and fully automatically. The actual batch change can thus be reduced to 90 seconds. What appears to be so simple is the result of the precise interaction of well thought-out components such as the clamping device for string formation before knotting and the pneumatic solution for sucking in the yarn ends.

The new LINK-MATIC® system can develop its full potential in conjunction with an moveable creel.