ISSUE III VOLUME XIX MAHENG/2012/41685 JULY-SEPTEMBER 2026

# TECHNICAL TEXTILES INNOVATION

## Seminar on

## FUTURE TRENDS IN TECHNICAL TEXTILES

**Saturday, 22nd August 2026**

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**Technical Textiles Innovation** is a leading quarterly magazine dedicated to the growing world of technical textiles. It offers in-depth coverage of innovations across segments like geotextiles, medical textiles, protective wear, automotive textiles, and smart fabrics. Each issue features expert articles, market trends, sustainability insights, and interviews with key industry players. Distributed globally at major exhibitions and directly to decision-makers, the magazine is a trusted resource for and innovators. With a strong focus on technology, sustainability, and market opportunities, **Technical Textiles Innovation** plays a key role in advancing the future of the technical textile industry




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## EDITORIAL

# The Thread That Could Change India

One morning, a young innovator looked at a piece of textile and saw something others could not: a solution waiting to be woven.

That is where India's next textile story begin.

Through the National Technical Textiles Mission (NTTM), the GREAT scheme is giving young innovators, scientists, technologists and start-ups the opportunity to turn ideas into technologies and products. In 2026-27, NTTM has a budget of Rs. 256 crore, including support for start-ups.

Already, 31 projects have been approved at a total cost of Rs. 15.40 crore, with Rs. 13.65 crore as the Government of India share.

But the real story is not the money. It is the imagination behind the projects.

Smart textiles that sense. Fabrics that generate energy. Medical textiles that protect. Sustainable materials made from hemp, pineapple and algae. Composites for automobiles, defence and space. Textiles designed to improve wellness.

With industry partnerships, prototypes can become products, field trials can become markets, and young companies can create jobs.

Every small revolution begins with an idea. Every idea needs belief.

GREAT may be doing something larger than funding start-ups: it is giving India's textile innovators the means to make dreams real.

Tomorrow's textile giant may be working quietly in a laboratory today.

# INDEX™ 2026 Reinforces Geneva Hub for Nonwovens Innovation



INDEX 2026 successfully concluded at Palexpo, Geneva, reaffirming its position as the world's leading exhibition for nonwovens technologies and advanced materials. Despite global geopolitical and economic uncertainties, the exhibition delivered a strong edition marked by innovation, sustainability, technical excellence, and international collaboration. According to the official press release, the exhibition featured 625 exhibitors from 44 countries across 50,000 square metres of gross exhibition space and attracted 11,452 visits from global decision-makers, technical experts, manufacturers, and innovators.

The exhibition demonstrated how the global nonwovens industry is evolving rapidly from conventional disposable products toward high-tech, durable, lightweight, and sustainable solutions. Circular manufacturing, carbon footprint reduction, recyclable structures, PFAS-free materials, smart automation, and fibre innovation emerged as the defining themes of INDEX™ 2026.

### Sustainability and Technical Excellence Shape Industry Direction

A major focus throughout the exhibition was the integration of sustainability with performance-driven engineering. Exhibitors showcased technologies capable of increasing productivity while simultaneously reducing environmental impact. The official INDEX™ press release emphasized that reducing carbon footprint is now becoming one of the industry's primary performance indicators.

The event strongly highlighted the transition toward:

- Recyclable mono-material structures
- Biodegradable and flushable products
- Reduced energy consumption
- Lightweight engineered materials
- PFAS-free protective textiles
- Circular manufacturing systems

Many exhibitors introduced products replacing traditional multi-layer structures with recyclable single-material solutions, demonstrating how sustainability is now deeply integrated across the entire nonwovens value chain.

### Birla Cellulose Strengthens Sustainable Fibre Leadership

One of the major highlights at INDEX™ 2026 was the innovation showcase by Birla Cellulose, part of Grasim Industries.

The company introduced several advanced fibre solutions under its Purocel brand aimed at sustainable nonwoven and hygiene applications.

**Purocel Viscose Short-cut**

Purocel Viscose Short-cut fibres were introduced for flushable wipes applications. These fibres are engineered for improved biodegradability and dispersibility, helping manufacturers meet increasing demand for environmentally safe and sewer-compatible wipes.

**Purocel Excel Short-cut**

Another important launch was Purocel Excel Short-cut, a lyocell-based fibre designed for applications including:

- Flushable wipes
- Specialty papers
- Battery separators
- Hot filtration systems

The product combines sustainability with high strength and advanced functional performance.

**Purocel Hydrophobic**

Birla Cellulose also unveiled Purocel Hydrophobic, a specially designed hydrophobic viscose fibre for absorbent hygiene products, offering enhanced fluid management and improved user comfort.

These launches highlighted the increasing importance of regenerated cellulosic fibres in the future of sustainable hygiene and technical nonwovens.

**Smart Manufacturing and Automation Technologies Dominate**

Automation and digital manufacturing technologies played a central role at INDEX™ 2026, reflecting the industry's movement toward Industry 4.0 manufacturing environments.




**Bianco Introduces Advanced Process Control Systems**

Bianco launched four advanced technologies aimed at improving efficiency and quality control.

**Bianco® La Magnifica**

An automatic high-performance wrapping and packaging system designed for improved packaging precision and productivity.

**Bianco® WEIGHTEX**

A contactless weight detection sensor system developed for real-time material monitoring and process optimization.

**Bianco® ECOTEX Se2**

An automatic sampling and inspection system focused on improving defect detection and quality assurance.

**Bianco® FTC7**

A high-precision proportional photocell designed for accurate web guiding and process stability.

These technologies demonstrated how automation and intelligent sensing systems are

becoming essential components of modern nonwoven manufacturing.

**Trützschler Advances Sustainable Hydroentanglement**

AquaJet is especially designed for popular hydroentangled wipe applications and tackles key challenges faced by nonwoven producers. This upgraded model offers a compact footprint, enhanced energy efficiency, intuitive operation, and superior nonwoven quality. Paired with the MPD drum dryer, it creates a perfectly matched duo for a sustainable, high-performance nonwoven production.

**ELIXRR NONWOVENS** introduced a wide portfolio of advanced spunlace solutions including:

- EcoWrap™
- EnduraSpun™
- SoftSpun™
- SteriSpun™
- AbsorvSpun™
- EcoSpun+™

Among these, EcoWrap™ emerged as a significant innovation designed as a lightweight, durable, and eco-friendly pulp-based spunlace packaging material capable of replacing conventional plastic packaging.

The launch reflected the growing demand for sustainable fibre-based packaging alternatives.

**Hygiene and Medical Nonwovens Continue to Drive Innovation**

The hygiene and medical sector remained one of the strongest innovation segments at the exhibition.

**AAB China Expands Hygiene Product Range**

AAB (China) Co. showcased several hygiene innovations including:

- Mild Incontinence Towels
- Ultra-thin sanitary napkins
- T-shaped baby disposable diapers

The launches focused on comfort, absorbency, and lightweight product engineering.

**SHALAG Group Introduces Wellness-Oriented Nonwovens**

SHALAG Group introduced:

- SOFTY Air Topsheet & CUDDLY Air Outercover
- 3D Hybrid
- SKIN WELLNESS NONWOVENS LINE

These solutions highlighted the growing importance of skin-friendly materials and consumer comfort in hygiene applications.

**Lenzing Instruments Enhances Product Testing**

Lenzing Instruments introduced:

- LISTER CARE
- RUNOFF PRO

The systems are designed to improve testing precision and reproducibility for absorbent hygiene products.

**Circular Manufacturing and Recycling Gain Momentum**

The exhibition strongly reflected the industry's commitment toward circular economy principles.

**Campen Promotes Waste-to-Value Technologies**

Campen introduced:
- BioSpray System
- Campen Airlaid: From Wastestream to Innovation
- Shredder & Fiberfeeder

These technologies focused on raw material recovery, recycling integration, and waste reduction.

**Masterplast Introduces Recycled PP Spunbond**

Masterplast showcased rPP Spunbond produced using recycled polypropylene materials.

This launch highlighted increasing industry adoption of recycled raw materials.

**IND HEMP Promotes Sustainable Hemp Fibres**

IND HEMP launched:
- Premium Cottonized Hemp Fiber
- Premium Cottonized + Bleached Hemp Fiber

These solutions demonstrated the expanding use of renewable natural fibres in nonwoven applications.

**Packaging Innovation Becomes a Major Focus**

Reducing packaging waste emerged as another major trend across INDEX™ 2026.

**IMA Launches W-PACK Technology**

IMA introduced the IMA TMC - W-PACK system for feminine hygiene and light incontinence products.

The technology significantly reduces packaging material usage while improving pack stability and production speed.

**Paper-Based and Plastic-Free Packaging Solutions**

Several companies introduced environmentally friendly packaging alternatives including:
- Wicketed paper bags by Fiorini International
- Plastic Free Paper Bags by Foshan Xinfei Hygiene Materials
- EcoWrap™ by ELIXRR NONWOVENS

These launches reflected increasing pressure to reduce plastic consumption across hygiene and packaging industries.

**Networking, Collaboration, and Immersive Experiences**

Beyond product launches, INDEX™ 2026 strengthened its focus on industry collaboration and knowledge sharing.

The exhibition introduced several networking and immersive experiences including:
- Technical demonstrations
- Specialized seminars
- Industry workshops
- Women's Networking Breakfast
- "Nonwovens: In Every Layer of Life" immersive experience

According to the official press release, these initiatives helped visitors better understand the growing role of nonwovens in modern society and reinforced Geneva's position as a global innovation hub for the industry.

Pieter Meijer, Chairman of the INDEX™ Advisory Board, noted that companies are increasingly

achieving competitive advantages by going beyond regulatory compliance and adapting rapidly to new market challenges.

**Future Outlook**

Murat Dogru, General Manager of EDANA, emphasized that innovation in the nonwovens industry is increasingly being driven by global collaboration, automation, smart chemistry, and extreme lightweight engineering. He highlighted that these developments are shaping a more efficient and circular manufacturing landscape for the future.

The strong participation and high level of innovation at INDEX™ 2026 clearly demonstrated that the global nonwovens industry is accelerating its transformation toward sustainable manufacturing, intelligent automation, recyclable materials, and high-performance technical applications.

The exhibition once again reinforced its status as one of the world's most influential platforms for shaping the future of nonwovens, hygiene technologies, and technical textiles.



# FROM PLANT TO PERFORMANCE

**From decortication to web forming, ANDRITZ delivers end-to-end bast fiber processing and airlay & carding solutions for reliable, large-scale sustainable nonwovens.**

As global industries accelerate their transition toward sustainable materials, natural fibers are moving to the forefront of innovation. Bast fibers and regenerated natural fibers are increasingly used in technical textiles, automotive components, construction materials, insulation, and geotextiles. Mastering these fibers, however, requires deep process knowledge and robust technology.

## NATURAL FIBERS IN INDUSTRIAL APPLICATIONS

Jute, hemp, flax, and coconut fibers – each serve a broad range of end applications, reflecting their distinct mechanical and functional properties. Jute is widely used in geotextiles, erosion control fabrics, carpet backing, and packaging due to its strength, biodegradability, and cost efficiency. Hemp combines high tensile strength with durability and moisture resistance, making it ideal for automotive interior components, technical composites, insulation materials, and construction applications. Flax, valued for its fine fibers and excellent stiffness-to-weight ratio, is commonly applied in high-quality textiles, automotive lightweight composites, furniture, and thermal or acoustic insulation panels. Coconut fibers (coir), known for their resilience and resistance to moisture and rot, are extensively used in mattress and bedding products, horticulture, erosion control mats, brushes, and cushioning applications. Together, these fibers enable a wide spectrum of sustainable end products, ranging from high-performance industrial solutions to everyday consumer goods.



**Flax field**

## FRANCE'S EXPERTISE IN NATURAL FIBERS

France has long been at the forefront of natural fiber handling and utilization, building on a deep industrial and cultural heritage. For centuries, the country has been a global reference for linen (flax) production, particularly in regions such as Normandy and Northern France, which are still recognized today for producing some of the world's finest flax fibers used in textiles and technical applications.

France also played a key role in the historical development of hemp processing, with hemp widely cultivated and transformed for ropes, sails, and industrial textiles as early as the Middle Ages. In addition, the French silk industry, centered around Lyon from the Renaissance onward, set benchmarks for fiber processing, innovation, and textile engineering. This long tradition of mastering natural fibers - from agriculture to industrial transformation - has laid the foundation for France's continued leadership in modern, sustainable nonwoven and technical textile solutions.

Today, ANDRITZ is closely involved in this development through its three locations in France, building on longstanding expertise in natural fiber processing.



**ANDRITZ Laroche – 20th century**



**ANDRITZ technical center in Cours-la-Ville**

## ANDRITZ SOLUTIONS FOR NATURAL FIBER PROCESSING

With over a century of experience in textile engineering and a unique portfolio covering the entire value chain, ANDRITZ offers industrial solutions that transform natural fibers from decortication to final nonwoven products, using downstream airlay and carding technologies - reliably efficiently, and at scale. The company offers access to three internationally recognized technical centers in France, located in Elbeuf, Cours-La-Ville and Montbonnot where customers can test a wide range of fibers and applications under production-like conditions.




**ANDRITZ technical center in Montbonnot**



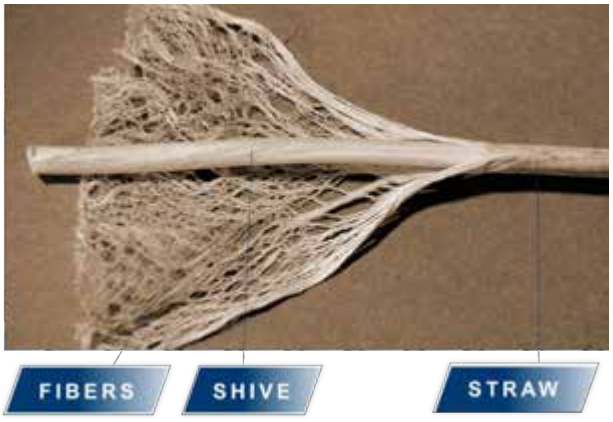
**ANDRITZ technical center in Elbeuf**

Processing natural fibers starts long before web formation. Fiber variability, impurities, length dispersion, and dust content present significant challenges that many equipment suppliers address only partially. It therefore becomes key taking a different approach by engineering integrated solutions starting at the fiber preparation stage. In order to master natural fibers handling from the very beginning, ANDRITZ decortication, refining, and cottonizing technologies are specifically designed for bast fibers, ensuring gentle fiber opening, excellent cleaning efficiency, and optimal downstream processability - whether for carding or airlay applications.

## BAST FIBER PROCESSING PERFORMANCE AND OUTPUT

ANDRITZ teXline bast fiber integrates dry cleaning, decortication, and refining to deliver reproducible material yields and stable industrial performance. For typical hemp processing, the teXline configuration achieves approximately 50% cleaned shives, 25% cleaned refined fibers, 15–20% dust, and about 5% very short fibers, while maintaining high separation efficiency and fiber integrity. The solutions are designed to process bast straw at controlled humidity levels between 12 and 16%, depending on fiber type, and can handle both rectangular cut bales (up to 50 cm length) and round uncut bales. Modular and upgradeable line concepts allow installed capacities to start at 1 T/h and be expanded up to

2.5 t/h, with standard industrial lines available for 2.5, 5, or 10 t/h of straw throughput. In addition, ANDRITZ offers dedicated cottonizing processes, derived from decades of flax cottonizing experience, with capacities ranging from 0.1 to 1 t/h, enabling downstream use of bast fibers in spinning, nonwovens, hygiene, and specialty applications while ensuring consistent fiber quality and minimal shive content.







**Bast fiber processing**

## FROM FIBER PROCESSING TO VALUE CREATION

With decades of experience in bast fiber processing via its own technical centers in France, ANDRITZ provides customers with a stable, repeatable fiber base, significantly reducing production risks and quality fluctuations.

Once fibers are prepared, ANDRITZ technologies enable precise and flexible web formation through airlay & carding systems, tailored for natural fibers, while remaining compatible with recycled or shoddy fibers as a complementary activity. This downstream process will give the final products their textile characteristics. It appears for leading market players to be more and more crucial to control the full value-chain both for competitiveness and quality control, as natural fiber properties can vary depending on their origin and harvest conditions.

Natural fiber production relies on a complete local ecosystem. Decortication lines must be located close to cultivation areas, such as hemp fields. The fibers produced should then be further processed locally through downstream applications, supporting value creation across the overall production process.

## AIRLAY PRODUCTION LINES

ANDRITZ airlay lines stand out for their ability to process short, long, recycled, and fragile natural fibers in a single, highly controlled process. From blending to mat consolidation, the technology ensures homogeneous fiber distribution, excellent weight uniformity, and consistent product performance, even with challenging raw materials, usually for end products included from 500 to 10,000 gsm mainly aimed at automative and insulation.



**ANDRITZ Airlay line**



**ANDRITZ Needlepunch line**



**ANDRITZ Spunlace line**

**END-TO-END INTEGRATED SOLUTIONS**

When considering new capital investments, complete success is not solely based on individual machines, but also on system expertise and long-term upstream & downstream partnerships. One distinguishes itself through comprehensive end-to-end process competence, covering every step from natural fiber decortication to the production of finished nonwovens. As a true one-stop-shop, ANDRITZ integrates fiber preparation, web forming, bonding, and finishing into fully engineered solutions tailored to customer needs. This approach is reinforced by application-driven engineering, with technologies developed, tested, and validated around the world. Backed by hundreds of proven installations across Europe, Asia, the Americas, and emerging markets, ANDRITZ combines global experience with a strong sustainability focus, enabling customers to profitably valorize natural, recycled, and bio-based fibers while meeting the demands of future-oriented markets. This holistic approach translates into faster commissioning, higher uptime, consistent quality, and long-term competitiveness for customers for the decades to come.

**Contact: Emmanuel Allibe – Head of Sales Needlepunch**

# July: When Technical Textiles Took a Bigger Step

July 2026 quietly delivered a powerful message to the global technical-textiles industry: **expansion is no longer a promise—it is becoming infrastructure.**

Across countries, companies and governments moved beyond conventional textile manufacturing and invested in materials designed to solve real-world problems. In India, the momentum was particularly visible. A major step came with the agreement for a **120-tonne-per-year carbon-fibre technology demonstration plant at PM MITRA Park, Amravati,** aimed at strengthening indigenous carbon-fibre capabilities.

At the same time, textile recycling moved closer to industrial scale. France saw investment in advanced nylon-recycling technology, while global players explored new models for recovering value from textile waste. Nonwovens, medical textiles, composites, smart textiles and high-performance fibres also continued to attract attention.

What makes July different is the direction of investment. The industry is moving from **volume to value, from conventional fabrics to engineered materials, and from production to problem-solving.**

A carbon fibre may strengthen an aircraft. A medical textile may protect a patient. A smart fabric may monitor health. A recycled fibre may give waste a second life.

That is the real story of July.

**Technical textiles are no longer the future of textiles. They are becoming the architecture of the present.**

# PLEVA: Where Safety Begins Long Before the Textile Is Worn




Every protective textile has a mission. Whether it shields a firefighter from flames, protects soldiers in extreme environments, or safeguards industrial workers against hazardous conditions, its performance can never be left to chance. The real story of safety begins long before the finished fabric reaches the user—it begins on the production line, where precision determines protection.



Recognising this critical need, **PLEVA GmbH** has introduced its advanced **AF 310** and **AF 120** microwave measurement systems, designed to bring unprecedented accuracy to coating, printing and finishing processes for technical textiles. By measuring coating applications continuously, contactlessly and non-destructively during production, the systems detect deviations instantly, allowing manufacturers to take corrective action before valuable material is wasted.

The AF 120 precisely monitors coating at a single position, while the AF 310 measures simultaneously across the left, centre and right of the fabric, ensuring exceptional coating uniformity throughout the material. This capability is especially valuable for high-performance coatings, foams and specialty finishes where consistency directly influences product reliability and safety.

Beyond quality assurance, PLEVA's technology transforms manufacturing efficiency. Faster machine setup, reduced start-up waste, fewer manual inspections, lower chemical consumption and decreased drying energy all contribute to a more sustainable and cost-effective production process. Integrated with **PLEVATEC pro**, manufacturers can visualise, document and analyse production data, strengthening traceability, process optimisation and seamless integration into Industry 4.0 environments.

In a world where technical textiles are expected to perform flawlessly under the most demanding conditions, PLEVA is proving that true product excellence starts with manufacturing excellence. By combining precision measurement, sustainability and intelligent process control, the company is helping textile manufacturers deliver products where quality is assured, resources are conserved, and safety is engineered into every metre of fabric.

# DiloGroup - Complete Nonwoven Needling Line for Hygiene Materials in the United States



DiloGroup has received an order for a complete needling line designed for the production of hygiene materials in the United States. This project further strengthens our position in the American hygiene sector and reflects the continued demand for reliable, high-performance nonwoven equipment.

The scope of supply covers all process stages, beginning with fiber opening. The line includes the latest **TEMAFA fiber-opening and filtration system**, ensuring stable operation, precise fiber preparation, and efficient dust and particle management throughout the process.

At the core of the installation is the **card feeding and carding system from Dilo Spinnbau**, as well as **crosslapping and high-performance needlelooms from DiloMachines** supported by the CV1 system. This configuration ensures controlled fiber processing, stable web formation, and high throughput. The selected machinery highlights the advantages of Dilo's high-capacity equipment, particularly in applications where process stability, uniform web quality, and consistent production parameters are essential for hygiene-grade materials.

With this new line, the customer will operate a modern and efficient production setup tailored to the requirements of the U.S. hygiene market. The order confirms the trust placed in DiloGroup's complete solutions and long-standing expertise in nonwoven production systems.

# MAGIC S.p.A., Oleggio, Italy, orders new food pad production line including airlaid technology from ANDRITZ

International technology group ANDRITZ has been commissioned to supply a new food pad eXcelle line, including state-of-the-art airlaid technology, to MAGIC S.p.A., an Italian specialist in absorbent materials for food pads, medical devices, personal care, and hygiene products. Commissioning of the new production line is scheduled for the first quarter of 2027.

The value of the order will not be disclosed. It was included in ANDRITZ's order intake for the third quarter of 2025.

MAGIC S.p.A.'s decision to select ANDRITZ was driven, among other factors, by its integrated airlaid forming technology, which is expected to deliver superior product quality and enable the company to strengthen and expand its market position.

The engineered solution developed by ANDRITZ Diatec and ANDRITZ Dan-Web optimized a highperformance process by seamlessly integrating Airlaid forming technology into a highly efficient and advanced production concept.

It offers significant advantages in the production of food pads due to its excellent absorption and retention performance. These properties are particularly critical for applications involving meat, fish, and fruit, where excess fluids must be managed hygienically and safely. In addition, the airlaid structure ensures fast liquid uptake and low rewetting. State-of-the-art airlaid technology from ANDRITZ, combined with MAGIC's expertise and its unique superabsorbent biodegradable powder, will enable a new generation of absorbent materials to enter the market.

Mauro Giani, CEO of MAGIC S.p.A., stated: "This project and the expansion of our production capacity are of strategic importance for MAGIC. We look forward to working with ANDRITZ, whose proven expertise in hygiene converting and airlaid technology was a key factor in our decision. We are confident that this collaboration will significantly strengthen our market position and support our future growth."

Leonardo Poggiogalle, Global Sales Director of ANDRITZ Diatec, added: "We are pleased that this new project with MAGIC S.p.A. confirms our strategy of offering versatile line configurations. Our innovative food pad eXcelle line is designed to meet customer requirements for superior product quality and performance. This success reflects the strong collaboration with MAGIC S.p.A. and the integrated structure of ANDRITZ Nonwoven & Textile, which enables seamless cooperation and technology sharing across our centers of excellence."




Hygiene food pads to keep food (meat, fish, fruits, vegetables etc.) fresh, made by ANDRITZ food pad eXcelle technology

# Trützschler establishes in-depth strategic cooperation with Fujian Leo Group

**The strategic cooperation signing ceremony between Trützschler and Fujian Leo Group, a Chinese customer specializing in the R&D, production and sales of personal hygiene products for ten 4.2m Air-Through-Bonding (ATB) lines was grandly held in Geneva, Switzerland. The signing marks a new milestone in the partnership. Leveraging Trützschler's advanced nonwoven technology, Fujian Leo Group will complete a large-scale production line upgrade, further consolidate its production capacity advantages and strengthen its core competitiveness in the industry.**

Trützschler first kicked off its in-depth cooperation with Fujian Leo Group in 2022 with the launch of the first 3.8m back-to-back double carding ATB line. Since its commissioning, the production line has won high recognition from Fujian Leo Group for its stable operation, outstanding production capacity and top-tier product quality, laying a solid foundation of trust for long-term strategic collaboration. Benefiting from favorable cooperation results and well-adapted equipment performance, both sides have continuously expanded the layout and built up a matrix of intelligent production lines.

Prior to this signing, Fujian Leo Group had already deployed nine 3.8m Trützschler high-speed and high-capacity ATB lines as well as one 4.2m ATB line. The stable operation of the ten professional lines has enabled Leo Group to achieve efficient and standardized production in the nonwoven materials sector. With this new round of collaboration, the two parties sealed the third-phase order for another ten 4.2m Trützschler high-speed and high-capacity ATB production lines. Once fully put into operation, Leo Group will own a total of 20 Trützschler ATB lines, forming a modern production system featured with scale, efficiency and intelligence.

The newly signed 4.2m high-speed and high-capacity ATB production line is Trützschler's core equipment iteratively upgraded to meet market demands of the nonwoven industry. Inheriting the brand's mature carding technology and equipped with an intelligent control system, it features a wider working width, higher productivity, lower energy consumption and uniform and stable finished product quality. It perfectly caters to large-scale production demands for high-end nonwoven materials, helping Leo Group optimize production structure, boost operational efficiency, cut production costs and expand layout in the high-end product market.

As a more than 130-year-old German family-owned enterprise, Trützschler specializes in textile machinery manufacturing, headquartered in Mönchengladbach, Germany. Its business covers three core segments: Spinning, Nonwovens and Card clothing. With multiple production bases worldwide, the company ranks among the global leaders in textile machinery industry by virtue of exquisite manufacturing craftsmanship, cutting-edge R&D technology and comprehensive after-sales service system. It keeps delivering professional, customized and intelligent complete production solutions for global partners.

A leading enterprise with remarkable scale and influence in the nonwoven industry, Fujian Leo Group has long been committed to the R&D production and sales of nonwoven materials, adhering to the philosophy of high-quality development and accurately grasping industry trends. The enterprise consistently empowers capacity upgrading with intelligent equipment. Its continuous investment in purchasing high-end Trützschler ATB production lines fully demonstrates its strategic determination to deepen the main business and scale up operations, as well as high recognition of Trützschler's equipment quality and technical strength.

Enterprise representatives from both sides expressed high expectations for this strategic cooperation at the signing ceremony. Trützschler

officials stated that Fujian Leo Group is a core strategic partner in the nonwoven sector, and the two sides have achieved mutual benefit and coordinated development over the years. Going forward, Trützschler will continue to provide high-quality equipment, professional technical support and full-cycle operation and maintenance services to ensure the efficient commissioning and operation of production lines, helping Leo Group improve quality and efficiency. Meanwhile, it will take this cooperation as an opportunity to further explore China's nonwoven market, upgrade technological R&D and localized service capabilities, and empower more industrial enterprises with transformation and upgrading.

Leaders of Fujian Leo Group commented that Trützschler's high-end intelligent production lines are perfectly aligned with the enterprise's long-term development strategy. Previous collaborative lines have strongly supported Leo's capacity expansion and quality optimization. The ten new 4.2m ATB lines will help Leo Group expand capacity and strengthen its position in the high-end nonwovens market.

The signing in Geneva, Switzerland stands as an important milestone of mutual empowerment and win-win cooperation between Trützschler and Fujian Leo Group, as well as a vivid epitome of the high-end, intelligent and large-scale development of the global nonwoven industry. Moving forward, the two sides will further deepen strategic cooperation, leverage complementary technologies and shared resources to tap into industrial potential. By delivering high-quality equipment and professional standardized production, they will drive industrial upgrading and jointly inject strong momentum into the high-quality development of the global nonwoven industry.




Signatories (from left to right) Mr. Matthias Schemken (Managing Director of Trützschler Nonwovens) , Mrs. MeiLing Chen (Director of Procurement of Leo Group)



Representatives of Trützschler and Fujian Leo Group at the signing ceremony (from left to right) Mr. ZhengYu Hu, (Sales of Trützschler Textile Machinery (Jiaxing) Co., Ltd.) , Mr. WeiZhong Zhu (Sales Director of Trützschler Textile Machinery (Jiaxing) Co., Ltd.), Mr. Matthias Schemken (Managing Director of Trützschler Nonwovens), Mrs. MeiLing Chen (Director of Procurement of Leo Group), Mr. Harald Schoepp(General Manager of Trützschler China), Mr. Weiping Zhang (Vice General Manager of Truetzschler Textile Machinery (Jiaxing) Co., Ltd.)

# Trützschler and Wisdom-Greentech held a signing ceremony for the ultra-high-speed 4.2m Air-Through Bonding (ATB) line

**Trützschler and Wisdom-Greentech, a Chinese customer specializing in high-end maternal, infant & child care industry and related disposable nonwoven products, held a signing ceremony for the purchase of a ultra-high-speed 4.2m ATB line in Geneva, Switzerland. This cooperation not only represents a deepened partnership between the two parties in the ATB sector, but also marks a new milestone in production efficiency for the high-end maternal, infant and child care product industry chain. This jointly developed 4.2m ATB line is more than just an investment. It stands as a milestone achievement of Sino-German technological cooperation, empowering the high-end hygiene industry including feminine care, adult care and related disposable nonwoven products, and realizing a dual breakthrough in production capacity and product quality.**

The jointly developed 4.2m line is the 14th Trützschler ATB line for Wisdom-Greentech. The carding machine has a working width of 4.2m and a designed speed of 200m/min. Compared with traditional 2.5m and 3m production lines, the production capacity is doubled. Compared with traditional 4.2m production lines, it further improves production efficiency while maintaining high product quality, reduces production costs, and significantly enhances product competitiveness.

Trützschler is the core supplier of the key equipment – carding and web-forming equipment for Wisdom-Greentech's thermobonding production lines. Together, Trützschler and Wisdom-Greentech have created multiple industry firsts:

- In 2022, Trützschler delivered the world's first 3.8m width single/double-purpose back-to-back double carding thermobonding production line to Wisdom-Greentech.
- In 2024, Trützschler delivered the world's first 3.8m double carding thermobonding production line equipped with the most advanced middle silo blending system to Wisdom-Greentech.
- In 2025, Trützschler delivered the world's first 4.2m width double carding thermobonding production line to Wisdom-Greentech.
- In 2026, Trützschler will deliver the world's first ultra-high-speed thermobonding production line with a 4.2-meter working width to Wisdom-Greentech.

2027, 2028, 2029... To be continued!




Signatories (from left to right) Mr. Matthias Schemken (Managing Director of Trützschler Nonwovens) , Mr. Guang Yang (General Manager of Wisdom Group)



Representatives of Trützschler and Wisdom Group at the signing ceremony (from left to right) Mr. WeiZhong Zhu (Sales Director of Trützschler Textile Machinery (Jiaxing) Co., Ltd.), Mr. Harald Schoepp(General Manager of Trützschler China), Mr. Matthias Schemken (Managing Director of Trützschler Nonwovens), Mr. Guang Yang (General Manager of Wisdom Group), Mr. Weiping Zhang (Vice General Manager of Trützschler Textile Machinery (Jiaxing) Co., Ltd.) Mr. Qingchun Lu (Director of Research and Development of Wisdom Group)

# Wangjin holdings signs 10th production line agreement with Trützschler – Driving innovation in the eco-friendly nonwovens industry

**Wangjin Holdings and Trützschler held a grand signing ceremony for the Pulp X Spunlace Nonwoven Production Line, alongside the successful commissioning ceremony of Line 3 of Zhejiang Jinnuo Medical New Material Technology Co., Ltd., a subsidiary of Wangjin Holdings, in Geneva, Switzerland on May 20, 2026. The newly signed Pulp X production line marks the 10th production line that Wangjin Holdings has introduced from Trützschler. It is not only the strategic implementation outcome of Wangjin Holdings' decade-long deep cultivation and continuous layout in the nonwovens sector, but also demonstrates its unwavering commitment to leading the innovative development of the global eco-friendly nonwovens industry, injecting powerful new momentum into the industry's green transformation.**

As a leading player in the nonwovens industry, Wangjin Holdings initiated its strategic partnership with Trützschler in 2016 by introducing its first spunlace production line, officially kicking off a new chapter of large-scale and high-end development. Over the past decade, aligned with its corporate development strategy, Wangjin Holdings has made targeted and sustained investments, bringing in a total of six high-speed, high-yield spunlace lines and three flushable nonwovens lines from Trützschler. Leveraging the superior performance of Trützschler's equipment, the company has consistently boosted production efficiency, optimized its product portfolio, steadily consolidated and expanded its market influence in the nonwovens field, and firmly established its industry-leading position.

After years of dedicated development, Wangjin Holdings has evolved into a comprehensive leading nonwovens enterprise integrating R&D, production and marketing, boasting a complete production system, robust R&D capabilities and an extensive global market footprint. Its products are exported to Japan, South Korea, the United States and dozens of other countries and regions. With premium product quality and professional services, it has earned numerous accolades including China's Top 50 Industrial Textiles Enterprises and Zhejiang Province "Specialized, Refined, Differential and Innovative" Small and Medium-sized Enterprises, emerging as a benchmark for industry development. Trützschler, a globally renowned supplier of nonwoven production equipment and integrated systems, provides critical support for Wangjin Holdings' capacity expansion and technological innovation with its efficient, reliable and eco-friendly equipment solutions.

This renewed partnership between Wangjin Holdings and Trützschler for the 10th spunlace nonwovens production line is a strategic move by the enterprise to proactively position itself in the high-end eco-friendly segment in response to industry trends, as well as a testament to the decade of seamless collaboration between the two parties. The initiative will further enrich Wangjin Holdings' product matrix and enhance the core competitiveness of its offerings. Under Wangjin Holdings' leadership, it will drive the structural upgrading of nonwovens products, reduce the industry's reliance on traditional non-degradable materials, and deliver a replicable practical model for the green development of the global nonwovens industry.

Looking forward, Wangjin Holdings will continue to exercise its industry leadership. Taking this signing as a new starting point, it will proactively integrate Trützschler's technical resources in equipment innovation, and leverage the capacity and technological advantages of the

new production line to deepen R&D innovation and optimize production layout, spearheading the technological iteration and industrial upgrading of eco-friendly nonwovens. Meanwhile, Wangjin Holdings will further deepen its strategic cooperation with Trützschler, driving complementary strengths and win-win outcomes for both parties through its core competitive advantages, and leading the global eco-friendly nonwovens industry into a new phase of higher-quality development.




Signatories (from left to right) Mrs. Yuping Wang (Chairman of Wangjin Holdings), Mr. Matthias Schemken (Managing Director of Trützschler Nonwovens)




Representatives of Trützschler and Wangjin Holdings at the signing ceremony (from left to right) Mr. Ian Zhuang (CSO of Wangjin Holdings), Mr. Philip Liu (Director of Marketing & Sales of Wangjin Holdings), Mr. Weiping Zhang (Vice General Manager of Trützschler Textile Machinery (Jiaxing) Co., Ltd.), Mrs. Yuping Wang (Chairman of Wangjin Holdings), Mr. Matthias Schemken (Managing Director of Trützschler Nonwovens), Mr. Hongwei Zhu (General Manager & CTO of Wangjin Holdings), Mr. Harald Schoepp(General Manager of Trützschler China)

# CONFERENCE PREVIEW

## Shaping Tomorrow: Technical Textiles Take Centre Stage in Vapi

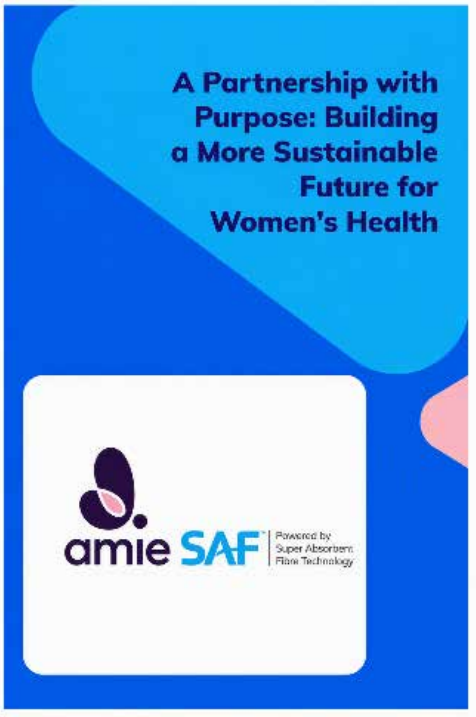



Every transformative industry begins with a conversation. On **22 August 2026**, that conversation will unfold in Vapi as **The Textile Association (India), Mumbai Unit** brings together industry leaders, researchers, policymakers and innovators for a one-day seminar on **"Future Trends in Technical Textiles."** More than just a knowledge-sharing event, the seminar aims to inspire collaboration and accelerate India's journey towards becoming a global leader in technical textiles.

With over **200 delegates** expected, the seminar will explore the immense growth potential of technical textiles across sectors including **Agrotech, Meditech, Geotech, Protech, Sportech, Buildtech, Composites and Smart Textiles.** Renowned experts will discuss emerging technologies, government initiatives, sustainability, circular manufacturing and future market opportunities that are reshaping the textile landscape. A dedicated panel discussion on **"Future of Technical Textiles: Innovation, Sustainability & Market Readiness"** will provide valuable insights into building future-ready products and skilled talent.

As technical textiles continue to drive innovation across healthcare, infrastructure, mobility, agriculture and protective applications, this seminar promises to become a catalyst for new ideas, meaningful partnerships and business opportunities. It is a reminder that the future of textiles will not simply be woven—it will be engineered through innovation, knowledge and collaboration.

# A Partnership with Purpose: Shaping the Future of Sustainable Women's Health




Every meaningful innovation begins with a simple question: Can life be made better? For **Technical Absorbents** and Indian brand **Amie**, the answer lies in creating smarter, more sustainable solutions for menstrual care. Their new fabric exclusivity agreement marks the beginning of a partnership that blends advanced textile technology with a shared commitment to comfort, confidence, and environmental responsibility.

Founded by **Premalatha** and **Dr. Priyadharshini**, Amie was born from a vision to help women live without the constant worry of leaks. By combining Technical Absorbents' high-performance washable superabsorbent fabrics with Amie's consumer-centric product design, the collaboration delivers reusable period underwear that offers exceptional comfort, discretion, and reliability.

The timing could not be more significant. As awareness of menstrual health grows across India, consumers are increasingly embracing reusable products that are sustainable, economical, and environmentally responsible. Period underwear is emerging as an innovative alternative to traditional disposable hygiene products, reflecting a broader shift toward conscious living.

Built on 18 months of research, testing, and product development, this partnership is more than a commercial agreement—it is a commitment to empowering consumers with better choices. With plans to expand into light incontinence solutions, Technical Absorbents and Amie are not only responding to evolving market needs but also shaping the future of reusable hygiene products.

Together, they are proving that when textile innovation meets a meaningful purpose, it creates lasting impact—for people, for communities, and for the planet.

# A New Era. Powered by Innovation. Barmag Fuzhou Customer Day Concludes Successfully, Boosting High-Quality Chemical Fiber Growth in Fujian & Guangdong

Barmag hosted its Customer Day themed "A New Era. Powered by Innovation." in Fuzhou on June 28, welcoming nearly one hundred invited customers from Fujian and Guangdong provinces. Georg Stausberg, CEO of Barmag Group, attended alongside the sales and R&D expert China team to jointly present integrated solutions covering the entire man-made fiber value chain.

Centered on the theme "A New Era. Powered by Innovation.", the event targeted Fujian and Guangdong, China's two major polyamide manufacturing hubs. It served as a communication platform for key regional clients to deepen strategic local cooperation and jointly explore pathways for the high-end and sustainable transformation of chemical fiber production.

The event welcomed a distinguished senior delegation: Georg Stausberg, CEO of Barmag; Jochen Adler, CTO of Barmag; and Dr. Wolfgang Ernst, CSO of Barmag, accompanied by core teams based in Beijing, Suzhou, Shanghai and Yangzhou. Attendees represented all key functional divisions, including management, sales, project execution and after-sales service. Representatives from SSM and Temco, sister brands within the Rieter Group, also participated as "new colleagues". Their presence underscores Rieter's strategic ambition and comprehensive capabilities to develop integrated full textile chain solutions following its acquisition of Barmag.

Specialists from Sales, Project and Service divisions delivered in-depth briefings to attendees on complete technical solutions from melt to yarn, fully demonstrating Barmag's comprehensive capability to deliver high-efficiency integrated technical services.

During the afternoon session, the Barmag team accompanied all guests on a guided tour of Fujian Eversun Jinjiang's production facility. As Barmag's largest polyamide customer worldwide and a core strategic partner, Eversun Jinjiang has maintained long-standing, intensive collaboration built on complementary strengths.

"Customer oriented" has long stood as Barmag's principle, with sustainable development embedded into every stage of technology R&D. In future, Barmag will continue to leverage its global R&D network, comprehensive local service infrastructure and integrated technical know-how to increase value for customers.




**Barmag experts with guests at the event.**




**Georg Stausberg, CEO of Barmag, delivered the opening speech and elaborated on Barmag's strategic roadmap following its integration into the Rieter Group. Both parties will deepen cross-business synergy, capitalize on complementary strengths and co-create end-to-end integrated solutions for the full textile industrial chain.**



Dr. Wolfgang Ernst, CSO of Barmag, analyzed the current landscape, opportunities and challenges facing the man-made fiber industry amid a volatile global marketplace. Upholding its customer-first philosophy, the Group adapts proactively to market shifts while executing steady global expansion strategies.




Jochen Adler, CTO of Barmag, shared cutting-edge trends in textile machinery manufacturing. He explained that sustainability sits at the core of the company's R&D agenda, enabling Barmag to keep pace with industrial shifts and continuously pioneer technological advancement within the spinning machinery sector.




Richard Wang, General Manager of Barmag Suzhou, delivered the closing speech for the Customer Day, outlining promising prospects for deeper regional strategic collaboration.




Sun Peng




Li Dingyi




Neal Zhang



Hallwean Zhang




Tong Li




Xiaofeng Guo




Meng Haiying

**Barmag's product portfolio delivers specialised technologies covering the complete melt-to.filament value chain. On-site technical specialists walked clients through core processes including spinning, winding and texturing, showcasing the Group's comprehensive technical solutions.**




Rubin Gui




Deng Wen









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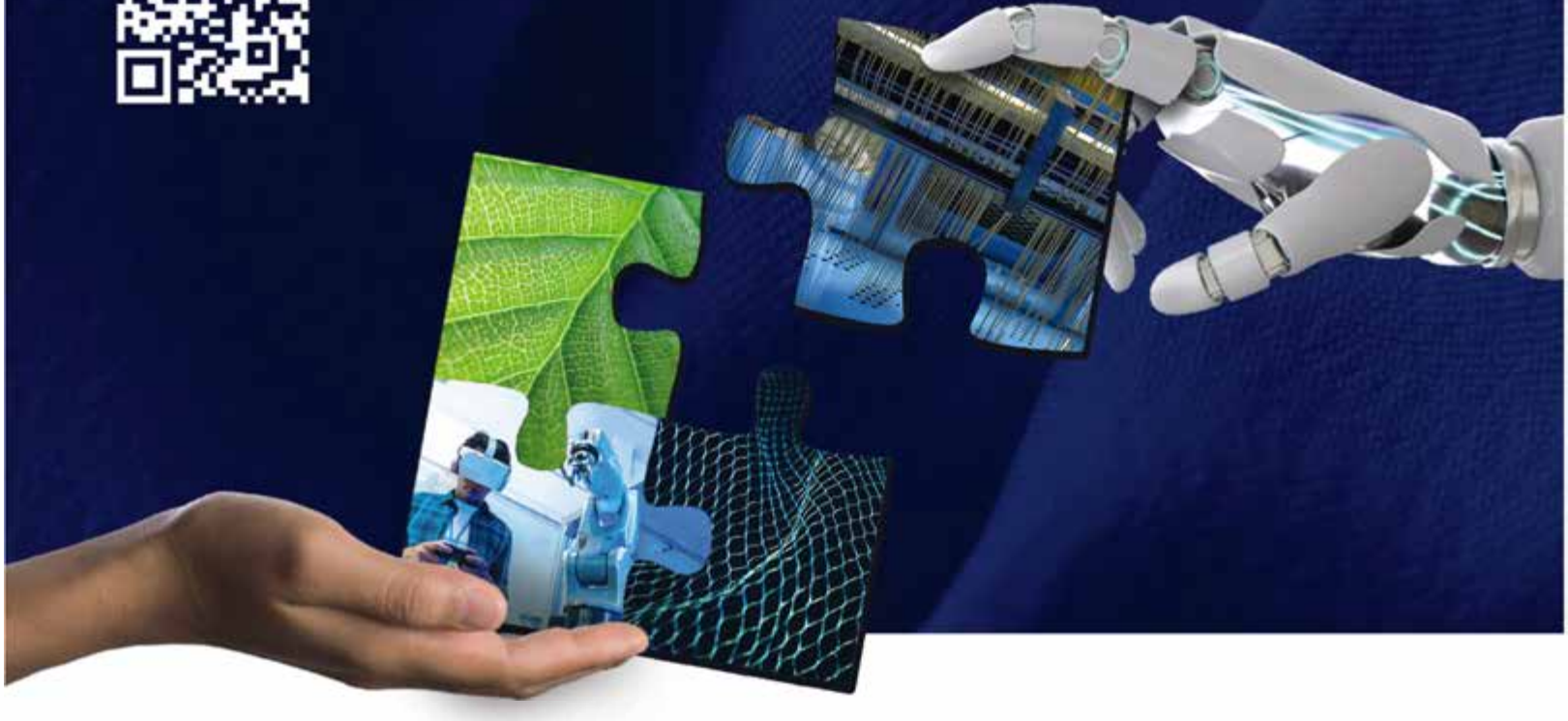
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