

# IN-LINE WITH **fi-tech**<sup>INC</sup>

## SPRING 2025

### **Joe Bernard**

Welcome the newest member of the Sales Team

### **IDEA 2025**

The premier event of the Nonwovens Industry

### **Hansa Mixer**

Foam mixers, aerators, in-line compounding systems and more

### **Temco NanoDisc**

Temco developed a PU Disc incorporating Nano Technology

### **Techtextil North America**

Visit Fi-Tech at Booth Number 3207

### **Baldwin Technology**

The TexCoat Gen 4 Spray System continues to evolve

## PRODUCT UPDATES

## EXHIBITIONS & CONFERENCES



Todd L. Bassett

**W**elcome to the Spring 2025 Issue of *In-Line with Fi-Tech!* We would like to welcome the newest member of the Fi-Tech Sales Team, Joe Bernard. With a degree in Textile Technology from NC State, Joe comes to us with extensive manufacturing experience in Textiles and Technical Textiles. More recently, Joe has taken his industry knowledge to the product and machinery side where he developed strong market and customer development skills in his previous role. Welcome to the Fi-Tech Team, Joe!

In this issue of *In-Line with Fi-Tech*, would like to highlight two important Exhibitions in which Fi-Tech will be participating. First, the Fi-Tech sales team will be in Miami Beach for the IDEA Show, April 29 - May 1. The IDEA Show brings together the entire supply chain for the Nonwovens Industry including durable and non-durable markets like Hygiene, Wipes, Filtration, Auto, and Geotextiles. Our Booth Number is 4301 and we will have on our booth representatives from Asten Johnson, Spoollex, Saueressig, Schill+Seilacher, and Tokuden. Reifenhauser Reicofil and Enka Tecnica will be located in the booth next to us (Booth #4001).

The following week, May 6-8, Fi-Tech will have a booth at the Techtextil North America Show in Atlanta. This show covers the Textiles, Technical Textiles and Fibers markets. We will be located at Booth #3207 and will have representatives on our booth from Brückner, Benninger, Zimmer-Austria, Baldwin, Ontec, Heberlein and Schill+Seilacher. In addition to these shows, Fi-Tech will be participating in the WOW Conference for the Wipes Industry in Columbus, OH, July 21-24.

Also, in this edition of our newsletter, Fi-Tech presents some product updates from our suppliers TEMCO, Hansa, Baldwin and Shelton Vision. Have a safe and productive spring and we look forward to seeing you at one of these shows or conferences. As always, you can find more details on Fi-Tech and our principals at [www.fi-tech.com](http://www.fi-tech.com).

Todd L. Bassett  
Managing Director



Joe Bernard

## THE NONWOVEN AND ENGINEERED FABRICS INDUSTRY RETURNS TO MIAMI BEACH FOR IDEA 25

 **idea<sup>®</sup> 25**  
**Nonwovens for a  
Healthier Planet.**

Miami Beach, Florida USA | April 29 - May 1, 2025

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From April 29 to May 1, 2025, the nonwoven fabrics industry will meet for IDEA25 at the Miami Beach Convention Center. IDEA25 is the premier event of the Nonwovens Industry bringing together all aspects of the nonwovens supply chain including raw materials, machinery, components, and roll goods. The following suppliers represented by Fi-Tech will be exhibiting:

**AstenJohnson Advanced Fabrics – Fi-Tech Booth 4301**

Key personnel from AstenJohnson will be on hand to discuss their complete line of technical fabrics for formation, bonding and transport of spunbond, meltblown, airlay and high-speed carding lines. The technical team at AstenJohnson continues to innovate with new fabric designs improving formation, performance and lifetime.

**Reifenhäuser Enka Tecnica GmbH – Booth 4001**

Enka Tecnica continues to lead the way in new technologies for making precision fiber and spunbond spinnerets, hydroentanglement jet strips, melt blowing die tips and spinning nozzles. In addition, Enka Tecnica will showcase their highly successful MB Smart Meltblown Dies. Enka has consistently demonstrated their ability to provide precision quality products with reliable delivery times.

**Hastem GmbH - Fi-Tech Booth 4301**

Hastem is a developer and producer of slat conveyors for low speed web transfer. For more than 50 years the name Hastem has been synonymous with innovation, design and construction of slat transport aprons and spiked/needle aprons found in needlepunch, airlay and other nonwoven applications.

**IDROSISTEM energy Srl - Fi-Tech Booth 4301**

IDROSISTEM specializes in the treatment of water for spunlace plants. IDROSISTEM has analyzed the main problems of the industry and has developed specialized technologies to solve them. IDROSISTEM constantly strives to improve its technology to offer its clients the best, crystal-clear technologies for water treatment for the Nonwovens Industry.

**Reifenhäuser REICOFIL® GmbH – Booth 4001**

Whenever anyone talks about spunbond, meltblown and composite nonwovens, the name which naturally comes to mind is REICOFIL®. They are world renowned for high productivity and quality nonwovens production lines; whether it is for spunbond, meltblown, composites, bi-component, fine denier, or PET fabrics. The REICOFIL booth will have technical representatives available to provide the latest information on these important nonwoven processes as well as their highly sought after high loft spunbond technology.

**ProJet B.V. – Fi-Tech Booth 4301**

Based in Holland, ProJet is globally known for their Power Cleaner process belt cleaning system. With many years of experience in the paper, board, tissue and nonwoven industries, ProJet's cost-effective belt cleaning systems optimize process lines by improving quality and line up time performance giving users a competitive advantage.

**Spoolex-Calemard – Fi-Tech Booth 4301**

As experts in the spooling and winding of nonwovens and tension-sensitive materials, Spoolex specializes in complete solutions for handling master rolls, slitting, spooling and downstream handling of spooled rolls to maximize productivity and safety. The PEGASE spooling system is well known, and experts from Spoolex will be on hand to discuss your specific applications.

**Schill+Seilacher GmbH – Fi-Tech Booth 4301**

Schill+Seilacher is the world's largest supplier of technical finishes for the Nonwovens Industry. Every application requires a specialized finish, and Schill+Seilacher has the chemists to custom design and tailor finishes for each customer's unique needs. Whether it is anti-static properties, food packaging, hygiene, medical, hydrophobic or hydrophilic characteristics, they have proven solutions.

**Saueressig Surfaces – Fi-Tech Booth 4301**

Saueressig Surfaces leads the world in the custom manufacture of MPS sleeves and calender rolls for thermal bonding and embossing as well as 3D embossing. The NTS, nano to surface treatment, for engraved rolls increases performance and line efficiency by reducing build up and calender wraps. Their catalogue of available designs and patterns is unmatched in the industry. This is coupled with the long experience, skill and know-how needed to make these critical rollers. In addition to new rollers, they also offer re-engraving and refurbishing services for damaged or worn rolls.

**Tokuden, Inc. – Fi-Tech Booth 4301**

Tokuden will be participating in IDEA25 to promote their world class induction heated and cooled jacket rolls for use in nonwoven production and other temperature sensitive materials. Induction heating is a safe, clean/green, accurate and efficient way to heat manufacturing rollers.

## YOUR SOURCE FOR THE FIBER & POLYMER AND NONWOVEN INDUSTRIES

### Ambersil

- Anti-Stick Spinneret Silicone Spray

### AstenJohnson Advanced Fabrics

- Woven Plastic & Metal Wire Belts, Forming Fabrics, Dryer Fabrics, Transport Belts

### Autefa Solutions GmbH

- Bale Presses, Bale Wrapping & Strapping Systems

### Brückner Textile Technologies

- Thru Air Dryers & Heat Setters

### Cason Textile Machinery

- Bobbin Strippers

### filtertechnik.Europe GmbH & Co. Kg

- Filter Screens for Spin Packs & Screen Changers, Filter Belts

### Futura S.P.A.

- Pin-To-Pin Embossing Calenders

### Galan Textile Machinery

- Ring Twisters for Fiber, Rope & Twine, Winders, Kiss Roll Devices, Creels

### HANSA MIXER

- In Line Mixers and Foamers

### Hastem Transportbänder GmbH

- Slat & Spiked/Needle Aprons

### Heberlein

- Air Interlacing Jets, Air Texturing Jets, Aspirators, Splicers, Suction Cut Units

### Idrosistem Srl

- Water Filtration Systems for Spun Lace Production

### MOVEngineering Srl

- Hypox® Spinneret & Pack Cleaning Units

# HANSA MIXER

Hansa Mixer is one of the world's leading providers of foam mixers, aerators and in-line compounding systems for the food and non-food industries. Hansa Mixer foam mixers and other products are used in several industries:

- In the production of foam coatings and impregnation for the textile, nonwoven, leather, carpet and artificial turf industries
- In the mixing and aeration of adhesives in the paper, wood, packaging and corrugated paperboard industries
- In the mixing, aeration and in-line dosing of a wide range of products in the food, cosmetic, and pharmaceutical industries
- And in-line compounding systems as an alternative to mixing kitchen, batch systems and batch mixers

Foam mixers are used to increase the volume of liquids through the introduction of air. This means that small amounts of liquids can be applied in a very precise and accurate manner. Foaming saves material costs because less material is needed. Also, a lesser amount of water is being applied which means less drying time which translates into energy savings.

The Hansa Mixer range of foam mixers, aerators, in-line compounding systems and other systems has grown constantly in line with customer needs. Foam mixers range in size from lab units with capacities as small as 1 kg/hour up to large production units with capacities up to 10,000 kg/hour.



### Ranges:

Pico-Mix	650 mm x 450 mm x 600 mm	1-25 kg/hr
Top-Mix	800 mm x 600 mm x 600 mm	40 – 400 kg/hr
Eco-Mix	1850 mm x 700 mm x 1650 mm	20 – 1000 kg/hr
Compact-Mix	2000 mm x 810 mm x 1700 mm	50 – 2000 kg/hr
Uni-Mix	2000 mm x 1000 mm x 1820 mm	600 – 10,000 kg/hr
Various Mix	2000 mm x 2000 mm x 2000 mm	160 – 10,000 kg/hr

In general, these series of mixers allow you to mix more liquid components in increasing volumes for foaming and application. The Various – Mix allows you to homogeneously mix up to 10 liquid and three dry components and either foam or directly deliver the mixed product.

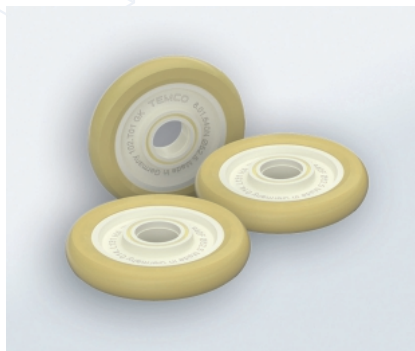
Please reach out to Fi-Tech for more information on how to minimize raw material waste, and maximize consistency of product.

# TEMCO NANO DISC

The use of ceramic discs has always dominated the production of Polyamide. Until now, PU discs have been very rarely used in Nylon texturing due to the shorter service life of these discs. The main issue regarding the service life of PU discs is not wear, as is common in PES production; but the polishing of the surface. This makes threading the yarn much more difficult. The reason for this is that the dtex of most PA yarns is finer compared to polyester fibers. Additionally, the low yarn tension with finer dtex causes the working surface to become polished. To slow down this polishing process, Temco developed a PU disc incorporating nano technology.

The NanoDisc creates added value for very fine polyamide yarns with dtex <50 and dpf ≤1.

- PU is simpler to thread compared to the delicate ceramic material
- Lifetime of at least 2 years (approved by multiple years of testing/field trials)
- Fewer investment costs combined with a higher price performance ratio for NanoDisc compared to Ceramic
- Higher yarn quality with better elongation and cc-value
- Optimised for dpf ≤1
- Field tested approved lifetime of at least 2 years
- Developed and applicable for yarns with dtex <50 and dpf ≤1
- Higher output due to potential speed increase of at least 40m/min



Contact your Fi-Tech Representative for a complete Temco PU disc portfolio available with Nano Technology.

TEXTILES/TECHNICAL TEXTILES

# SHELTON VISION SYSTEMS CONTINUE TO REACH NEW HEIGHTS!

Automated textile inspection system producer, Shelton Vision, continues to have great successes in multiple directions. They have added personnel to meet the demands of ever-expanding global textile inspection needs. They have created an internal AI Research Group that continuously develops AI applications and deep learning models to be applied to inspection, classification and grading requirements.

These scaling activities in production and technology, as well as the recent implementation of high speed patterned fabric inspection capability, Shelton continues to distinguish and stratify itself as world leader in accurate and precision automatic inspection for a wide range of textiles.

## Mozart AG

- Staple Cutting Blades, Film Slitting Blades

## ProJet B.V.

- Power Cleaner Process Wire Belt Cleaning System

## Reifenhäuser Enka Tecnica GmbH

- Spinnerets, Jet Strips, Die Tips, Repairs, Complete Meltdown Die Bodies

## Reifenhäuser REICOFIL® GmbH & Co. KG

- Turnkey Plants for Spun Bond, Meltdown, Composite, Laminated Fabrics, Bicomponent

## Rieter Components GmbH, TEMCO

- Texturing Units, PU Friction Discs, Air Entangling Jets, Industrial & Glass Fibers, Separator Rollers, Guide Rollers

## Saueressig Surfaces

- Engraved & Smooth Rollers, Embossing Rollers, Ultrasonic Anvils, MPS Microporous Shells

## Saurer Fibrevison

- On Line & Lab Fiber Monitoring/ Testing Systems

## Schill+Seilacher GmbH

- Spin Finishes, Surfactants & Fiber Auxiliary Chemicals

## Sikoplast Recycling Technology GmbH

- Recycling Plants for PET, PA, PP and PE Waste

## Spooler/Calemard

- PEGASE Traversing Winders & Spooling Equipment, Slitter/ Rewinders

## T.EN Zimmer GmbH

- Spare Parts Service for Zimmer® Plants

## Tokuden Co., Ltd.

- Induction Heated Rolls, Air Cooled Hybrid Rolls, UPSS Super Heated Steam Generator

## Zentes Unitex GmbH

- Spinneret Inspection Devices, European Spare Parts

## YOUR SOURCE FOR THE TEXTILE INDUSTRY

### Baldwin Technology

- Precision Spray Application Systems

### Benninger

- Jet & Beam Dyeing Machines, Continuous Scouring, Bleaching & Mercerizing Ranges, Cold Pad Batch

### Brückner Textile Technologies

- Finishing and Coating Lines for Woven and Knitted Fabrics, Dryers, Tenter Frames & Coating Equipment

### Corino S.p.A.

- Hydro Extraction, Openers, De-Twisters, Tubular Slitters, Padders

### Guarneri Technology S.r.l.

- Textile Calenders

### HANSA MIXER

- Foam Generators & Mixers

### Idrosistem Srl

- Dyehouse Waste Water Recovery Plants

### Mario Crosta S.r.l. - Italy

- Fabric Surface Finishing Equipment

### Mayer & Cie. GmbH & Co.

- Circular Knitting Machines for Jersey, Interlock, Rib, Jacquard and Elastomeric Plaiting

### Neuenhauser-Ontec Automation GmbH

- Turbotex Scrim Fabric Machine

### Shelton Vision Ltd.

- Vision Inspection & Defect Classification Systems

### Spoollex SAS / Decoup+

- Fabric Slitting/Rewinding Systems, Ultrasonic Slitters

### Tecnorama S.R.L.

- Automatic Dispensing Systems for Powder and Liquid Dyestuff & Auxiliaries

### Testa S.r.l.

- Automated Inspection and Packaging Systems

### Zimmer Maschinenbau GmbH

- Textile Coating Ranges, Digital & Rotary Screen Printing Lines

# TECHTEXTIL NORTH AMERICA 2025

**techtex**  
NORTH AMERICA

This year, Techtex North America's ONLY dedicated show for Technical Textiles and Nonwovens is May 6th to 8th in Atlanta, Georgia. Visit Fi-Tech at Booth Number 3207. As always, our Fiber, Nonwoven and Textile companies will be represented.

Mr. Ian Mills and Ms. Jessica Ethridge from the textile group will be in attendance along with the following principals:

- Brückner, established in 1949, Brückner develops, produces and distributes machines and lines for the coating and finishing of apparel fabric, technical textiles, nonwovens, glass fabrics and floor coverings. They also construct special lines for particular applications and systems for heat-recovery and exhaust air cleaning. They will be represented by Mr. Thomas Wiederer.
- Zimmer-Austria, machine manufacturer for Rotary Screen, Coating and Finishing Systems & Digital Printing since 1874, will be represented by Mr. Horst Ros and Mr. Andreas Rass.
- Baldwin, non-contact Precision Spray Technology, debuted at ITMA 2015, will be represented by Mr. Rick Stanford. Please see our article about the system in the textile section of our newsletter.
- Benninger Tirecord, top-tier quality and efficiency through innovative technology for optimal tire cord manufacturing, founded in 1898, will be represented by Mr. Thomas Soika.
- Neuenhauser-Ontec, Technical Textiles Division encompassing Scrim Systems, Coating Systems and Special Equipment, will be represented by Mr. Helmuth Gossler, Head of Sales, and Mr. Alexander Truch.
- Shelton Vision System, pioneering leader in design, manufacture and application of automated systems for surface, pattern and product inspection across various materials and industries, will be represented by Mr. Mark Shelton.

Mr. Joshua Sansbury from the fibers, nonwovens, and converting group of Fi-Tech will be in attendance, along with representative, Iris Ruckert, from Schill+Seilacher who supplies chemistry for spin finishes of man-made fibers and coatings for technical textiles and nonwovens. In addition, Heberlein Technology, the world's leading provider of air interlacing and air texturing jets, will be represented by Mr. Kai Moesli and Ms. Sarah Steinbeck, who will be on hand to answer any questions you may have concerning new product developments in ATY or energy savings with their newly released APe Series of interlacing jets.

Our in-person technical experts can provide further details concerning your future projects as well as answer or provide support for existing equipment. We look forward to seeing you at our booth. Feel free to stop by and say hello; and if you would like to arrange a more in-depth meeting with one of the companies in attendance, please reach out to your respective Fi-Tech representative to arrange a meeting.

# BALDWIN TECHNOLOGY

Baldwin's non-contact, precision spray technology for finishing and remoistening continues to disrupt the textile industry; challenging the paradigm that foulard/pad finishing is the only optimized way to achieve correct chemical add-on. The TexCoat Gen 4 Spray System continues to evolve since its first introduction at ITMA Milan 2015. The precision spray system minimizes chemistry, energy and water and is a leader in sustainability, efficiency and quality. The most recent improvements include:

- Auto-shutters that immediately activate to capture any excess spray from the spray nozzles when a range stop occurs (nozzles also stop spraying)
- Programmed auto cleaning capability significantly reduces the cleaning burden for the operator
- Programmed blocked nozzle feature that occurs prior to startup
- Flowmeter that allows calculation of pickup based on the liters of finished chemistry consumed and the square yardage of fabric produced for a given batch
- Spray bars and shrouds are automated, reducing operator interaction with the machine for better ergonomics when cleaning
- Orientation of material has been from the floor to the ceiling per thread-up. It has been proven that the thread path can be reversed (ceiling to floor) and the spray system is just as effective; which widens the previous installation constraints.

Please reach out to your local Fi-Tech representative, if you would like to learn more about this innovation that reflects long-term quality and a future-proof attitude all the way.

## TexCoat G4 Auto-Shutter System

### Spray Control During Stops

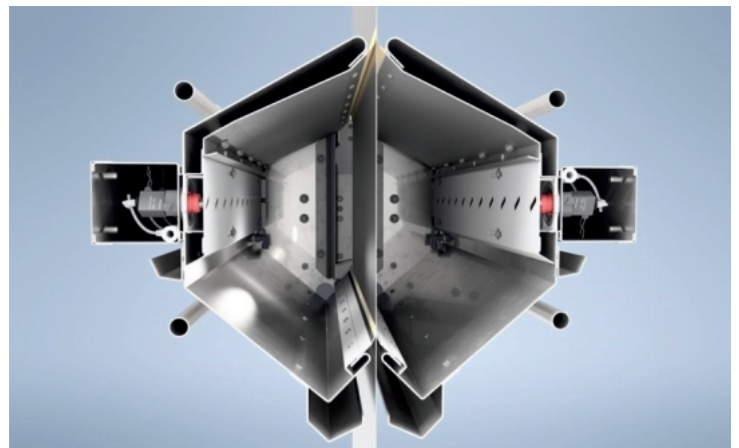
Auto-shutters block spray nozzles during machine stop, protecting fabric from unwanted exposure

Shutters retract automatically when the machines return to production, ensuring a seamless and precise restart

### Automated Cleaning

Shutters protect fabric during nozzle cleaning, enabling bulky automated cleaning cycles

Prevents nozzle blockage and minimizes operator tasks



**BALDWIN**®



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## EVENTS CALENDAR 2025

### IDEA2025

April 29-May 1, 2025  
Miami Beach, FL  
[www.ideashow.org](http://www.ideashow.org)

### Techtextil North America

May 6-8, 2025  
Atlanta, GA  
[www.techtextil-north-america.us.messefrankfurt.com](http://www.techtextil-north-america.us.messefrankfurt.com)

### Southern Textile Association Annual Meeting

July 20-22, 2025  
Hilton Head, SC  
[www.southern textile.org](http://www.southern textile.org)

### World of Wipes

July 21-24, 2025  
Columbus, OH  
[www.worldofwipes.org](http://www.worldofwipes.org)

### K Show

October 8-15, 2025  
Düsseldorf, Germany  
[www.k-online.com](http://www.k-online.com)

### RISE Conference

October 14-15, 2025  
Raleigh, NC  
[www.riseconf.net](http://www.riseconf.net)

#### Fi-Tech is a Registered Service Mark

*In-Line with Fi-Tech*, a Fi-Tech, Inc. publication, is designed to assist Engineering, Management, Purchasing and Plant Personnel by providing an avenue of communication between fiber producers and the best machinery manufacturers in the world. Fi-Tech, Inc. is the premiere representative for Nonwovens, Synthetic Fiber, and Textile machinery and components.

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