

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

## SPRING 2023

**Heberlein**  
Air Jets

**Techexil North America**  
Visit us in Atlanta, **Booth  
1903.**

**INDEX™23**  
Geneva, April 18-21, 2023

**ITMA2023**  
June 8 - June 14, 2023

**Baldwin**

Baldwin Technology Co. Inc.  
announced Fi-Tech, Inc as its  
sales agent in the U.S. and  
Canada.



**OUR SUSTAINABLE  
MISSION**

**EXHIBITIONS 2023**



Todd L. Bassett

**W**elcome to the spring issue of *In-line with Fi-Tech*! We have a busy spring and summer ahead for exhibitions and shows and have highlighted some of these events in this newsletter. Some of the events that Fi-Tech and its sales team will be participating include the INDEX™23 Show in Geneva April 18-21, the Techtextil North America Show in Atlanta, GA May 10-12, and the ITMA 23 Exhibition in Milan, Italy June 8-14.

We expect many new developments to be presented from our principals at these events. Heberlein has already announced their line-up of new product developments in advance of the ITMA and we have outlined these new product developments in this issue of *In-Line with Fi-Tech*.

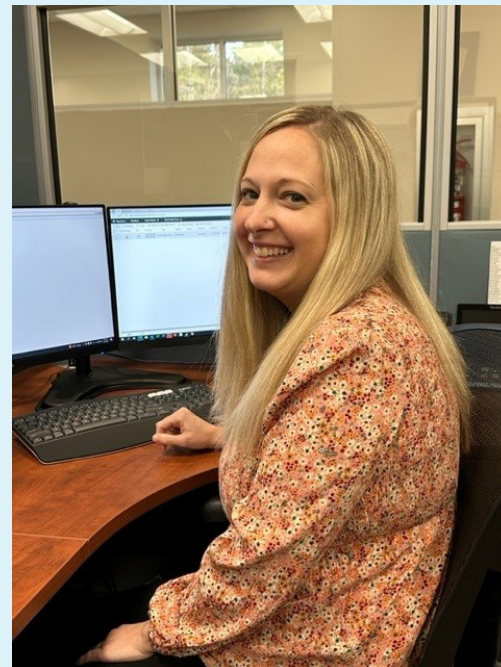
On the sustainability front, in 2022 Fi-Tech focused investment on solar power installations at our facilities in Richmond, VA and San Luis Potosi, Mexico. These installations are now up and running and produce 100% of our power needs in both locations. Fi-Tech has also formed a Sustainability Team in our Richmond office to investigate other opportunities to promote sustainability initiatives within the Fi-Tech organization. Please read more about this team and their initiatives.

Fi-Tech continues to be busy looking for new product lines with innovative products that compliment our existing lines in the Fiber, Nonwovens and Textile Industries. Following our sustainability theme, Fi-Tech announced on October 3, 2022, its cooperation with Baldwin Technology to market their line of contact free chemical spray systems which enable fabric producers in the Textile and Nonwovens Industries to significantly reduce their chemical, water and energy consumption while increasing productivity. Learn more about Baldwin and their product line in this

In addition, I would like to welcome our newest Fi-Tech team member, Laura Seamster. Laura joined Fi-Tech on December 19 and will augment both our Accounting and Sales Assistant teams. Welcome to Fi-Tech Laura!

Our Sales Team looks forward to seeing you at customer site visits or one of the shows in which we will be participating this spring and summer!

*Todd L. Bassett*  
Managing Director



Laura Seamster

## WORKPLACE SUSTAINABILITY

### Doing Our Part

2022 was an eventful year for Fi-Tech. We celebrated our 50th anniversary, added a few new faces, and found ways to improve upon our own operational processes. In July, a team of employees got together to analyze how Fi-Tech could better our impact in the community and environment. The sustainability team was formed. We identified some "low hanging fruit" as well as more substantial projects for the present and near future.

**Our Mission Statement:**

*Fi-Tech, Inc. is committed to a sustainable future by maintaining a positive impact within the community and on our environment. Our efforts are focused on reducing, reusing, recycling, overall waste reduction, and energy conservation. Stewardship guidelines are in place granting to humanitarian needs, animal welfare, education, and more to raise awareness and in the support of our local community.*

Our first order of business was to become a net producer of energy through the installation of solar panels on our 17,000 sq. ft. building. We installed 294 panels on the roof and completed the process in December. At the time of writing this we have produced almost 22,000 kilowatt hours of energy back to the grid.

We also implemented a product called PaperSave(PairSoft). This allowed us to streamline our order workflow from purchase order to invoice, and significantly reduce the amount of paper used for our files. It is anticipated

that this implementation will reduce our paper usage by at least 50%, but probably greater. These efforts, both large and small, allowed us as a company to recognize "our part" in our community and environment and how we can better serve it.

**Honorable mention items:**

Replaced Styrofoam cups with reusable mugs; Reusable cups and tumblers replaced plastic water bottles; Installed an aluminum can crusher to assist downstream recycling efforts.

## HEBERLEIN

Heberlein, the leading solution provider for air interlacing, air texturing jets and applications will be in attendance in Milan for the 19th International Textile Machinery Association held from June 08-June 14.

They will be unveiling their latest in design and performance improvements to include:

- New DTY generation "AP" jets in both APh and APe series. APh could increase stability, up to 100%, resulting in increase downstream processing speeds and decreased sizing applications,

- APe series will drop right in to replace your current DTY jets but can offer energy savings of up to 15% or more depending on set parameters.

- A user-friendly app where you can enter in your energy cost, pressure, hole size etc. and it will show you just how much air, energy, and money you can save.

- Additional P range jets with a tighter focus on specific denier ranges

- New LB06 ATY housing to replace LB02 and LB04 housings. The newly redesigned housing will accommodate all previous versions of A, T, and S series Jet cores.

Heberlein will be traveling in the US April 17th-28th. Contact your local Fi-Tech representative should you want to schedule a meeting to discuss these developments.



## TECHTEXTIL NORTH AMERICA

On May 10th-12th 2023, Fi-Tech will be participating in the Techtextil North America trade show at the Georgia World Congress Center, in Atlanta GA.

We will have an expanded booth as compared to previous years and a full complement of our experienced sales team on hand to present our principals

in the technical textile, nonwoven and synthetic fiber sectors.

In addition, we are glad to welcome OEM technical sales representatives from both Brückner Textile Technologies and Baldwin Technology USA as participants in our booth.

Brückner offers state of the art tenter frames and ovens for heatsetting and curing of technical textiles, while Baldwin can provide contact free, chemical spray applications for finishing, resulting in savings in energy, water and chemicals.

Visit us in Atlanta, **Booth 1903.**

## 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

### 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

# INDEX™23

INDEX™23 returns to Geneva, April 18-21, 2023. Taking place once every three years, INDEX™ is one of the key global events for the nonwovens industry supply chain to gather. We are pleased to announce that the following companies represented by Fi-Tech will be exhibiting:

### AstenJohnson Advanced Fabrics – Booth No. 1354

AstenJohnson is a global supplier of woven wire belts for the nonwovens industry. The belts are used for forming, drying, conveying, dewatering and bonding of all types of nonwoven fabrics; including spunbond, meltblown, SMS, airlaid, hydroentangled and carded nonwovens.

### Autefa Solutions Germany – Booth No. 1614

As the global market leader in fully-automatic bale packing systems for staple fiber and tow, Autefa offers the entire range, from fiber transport to baler – as well as bale transport and warehouse storage of the pressed, wrapped and strapped bales.

### Brückner Textile Technologies – Booth No. 1580

Brückner is a leading producer of finishing and thermal treatment lines and dryers for the nonwovens industry. They will present the latest developments in belt dryers including designs with high evaporation capacity for hydroentangled nonwovens, and gentle transport and precise temperature control for carded ADL, and the efficient bonding of high loft nonwovens.

### Enka Tecnica – Booth No. 1531

In addition to precision spinnerets, hydroentanglement jet strips, melt blowing die tips and long rectangular spinnerets, Enka Tecnica will promote its proven cost-effective SMART melt blowing die bodies. MB Smart Die Bodies are excellent for upgrading older MB lines for improved fabric quality and efficiency and are customized to meet each application.

### HANSA Industrie-Mixer – Booth No. 1558

Hansa Mixer specializes in the development, design, and manufacture of continuous in line mixing machines and foam generators for textile and nonwoven applications such as impregnating, reinforcing, finishing and foam coating.

### Idrosistem Energy – Booth No. 1236

For more than 25 years, Idrosistem has led the development of specialized water filtration systems used in spunlace nonwoven production. Their systems operate continuously providing contamination free water without any interruption to the production process.

### Reifenhäuser Reicofil® – Booth No. 1531

Reifenhäuser Reicofil will present their latest advances in technology for the production of spunbond, meltblown and composite fabrics. Reicofil 5 lines are now in production in the market offering nonwoven producers new capabilities and a wealth of machine intelligence setting new standards for quality, uptime, output, and energy efficiency. Reicofil also has solutions for profitable entry into smaller markets and for the production of soft and bulky nonwovens.

### Rieter Components – Engineered Bearing Solutions – Booth No. 1455

Worldwide leaders in the manufacturer of roller bearings for special high-speed, low-inertia applications, Rieter Components delivers bearing solutions for guide rollers found on high-speed hygiene converting lines.

### Saueressig Ungricht – Surface Solutions – Booth No. 1648

Saueressig Ungricht combines decades of experience and competencies in the design, development, and repair of all type of rolls for spunmelt and staple fiber nonwoven processes. This includes engraved and smooth calender rolls, 3D embossing rolls, ultrasonic anvil rolls, and MPS microporous shells.

### Schill+Seilacher –

Schill+Seilacher is known worldwide for its portfolio of fiber finishes and surfactants which meet the demands of the hygiene and medical industry for a wide range of polymers such as polyolefin, polyester, PLA or bico. While S&S will not be exhibiting this year, a number of representatives from the company will be attending the show and available to schedule meetings on site.

### Spoolex – Booth No. 2451

Spoolex is recognized as the world leader for slitting, winding, splicing and spooling tension-sensitive materials. From simple equipment to complete automated converting cells, they provide both off the shelf, and customized solutions.

# ITMA2023

Are you ready to get up to date on the latest and greatest in fibers and textile machinery? You can learn more soon, since the International Textile Machinery Exhibition will take place from June 8 through June 14, 2023, at the Fiera Milano Rho in Milan, Italy. ITMA is recognized as the premiere trade show for the textile, fibers and garment machinery industry and has been held every four years since 1951.

Many of our European associates will be exhibiting at the fair. Following is a short preview of where to find us, and what to look for:

## Fibers and Nonwovens:

### **Autefa GmbH: Hall 10, Stand C 201**

Bale Presses, Bale Wrapping and Strapping, Tow Plaiters

### **Enka Tecnica GmbH: Hall 1, Stand C301**

World leader in the precision manufacturing of Spinnerets for the synthetic fiber and nonwoven fabric industries as well as precision micro components for other markets. Enka's product line includes Spinnerets for aramid, acetate, polyester, polypropylene, and nylon fibers as well as spunbond, meltblown and hydroentangled nonwovens.

### **Galan Textile Machinery SL: Hall 1, Stand A301**

Galan will be exhibiting some their World-Renowned Twisting and Winding machines.

### **Hansa Mixer: Hall 14, Stand A309**

Hansa Mixer is one of the world's leading providers of Foam Mixers, Aerators and more for the food and non-food industries.

### **Hastem Tränsportbander GmbH: Hall 10, Stand B303**

Hastem is a premier producer of Slat Conveyors and Modular Belts. For more than 40 years the name Hastem has been synonymous with innovation, design, and construction of Slat Transport Aprons.

### **Heberlein AG: Hall 3, Stand E204**

Come see the latest in ATY Texturing as Heberlein will be showcasing their latest development, Tex Jet. Also on display will be Air Jets and Interlacing Jets, Splicers, and Air Aspirators.

### **Idrosistem Energy, Srl: Hall 11P, Stand E204**

High volume Water Filtration/Purification Systems for spun lace production and moisture

### **Movengineering Srl: Hall1, Stand E118**

Polymer Filters and Specialty Pack Cleaning Systems

### **Saurer Fibrevision Ltd.: Hall 2, Stand B101**

On Line Monitoring Systems, Sensors, Lab and At Line Monitoring Systems

### **Rieter Components: Hall 1, Stand C206**

BCF Intermingling Jets, Jet Inserts, Separator Rollers, USL Hollow Spindles, PU Friction Discs, Friction Units, Bearings for High-Speed Applications

### **Spooler SAS - France: Hall 14, Stand B203**

Pegase Traversing Winders and Spooling Equipment, Orion Slitter Rewinders for Narrow Width Pancake Rolls, Centaure Slitter Rewinders for Wider Width Pancake Rolls

### **Mozart AG**

- Staple Cutting Blades, Film Slitting Blades

### **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 Fibrevision**

- 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**

- Spinned Inspection Devices, European Spare Parts

*Continued on the page 6*

## YOUR SOURCE FOR THE TEXTILE INDUSTRY

### Benninger

• Jet & Beam Dyeing Machines, Jiggers

### 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

### Erbatech GmbH

• Continuous Wet Finishing Equipment for Woven and Knitted Fabric, Bleaching & Washing Ranges, Cold Pad Batch

### 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

### Ontec Automation GmbH

• Turbotex Scrim Fabric Machine

### Pindarus S.r.l.

• Raising Fillet Wire, Cleaning Brush Wire

### Shelton Vision Ltd.

• Vision Inspection & Defect Classification Systems

### Tecnorama S.R.L.

• Automatic Dispensing Systems for Powder and Liquid Dye stuff & Auxiliaries

### Testa S.r.l.

• Automated Inspection and Packaging Systems

# ITMA2023

## Technical Textiles

### Baldwin: Hall 14, Stand C205

Non-Contact Spray Systems for Chemical Finishing, Plasma Surface Treatment

### Benninger: Hall 18, Stand A201

Jet and Beam Dyeing Machines, Jiggers, Lab Dyeing Equipment

### Bruckner: Hall 18, Stand A101

Tenter Frames, Thru Air Dryers for Nonwovens, Coating Lines, Relax Dryers, Compactors

### Corino: Hall 18, Stand 111

Rope Openers, De-Twisters, Slitters, Padders

### Erbatech: Hall 18, Stand C106

Continuous Scouring and Bleaching Ranges (open width and tubular), Cold Pad Batch, Wide Width Padders, Vacuum Systems

### Guarneri: Hall 14, Stand B106

Textile Calenders (Nipco Technology)

### Hansa: Hall 14, Stand A309

Foam Generators and Mixers, In Line Compounding

### Idrosistemas: Hall 11P, Stand E204

Dyehouse Waste Water Recovery Plants

### Mario Crosta S.r.l.: Hall 14, Stand B207

Fabric Surface Finishing, Napping, Raising, Shearing and Sueding

### Mayer and CIE GmbH: Hall 2, Stand E101

Circular Knitting, Single and Double Jersey (mechanical and electronic), Supersized Frames and Open Width Takedowns

### Ontec-Neunhauser: Hall 6, Stand C201

Turbo Tex Scrim Machine, On Loom Coating and Lamination

### Shelton Vision: Hall 18, Stand A304

Camera Based Inspection, Defect Detection, AI Based Software

### Tecnorama S.r.l.: Hall H11, Stand B102

Automatic Dispensing for Powder and Liquid Dye stuff Dispensing, Laboratory and Bulk Scale

### Testa S.r.l.: Hall 18, Stand B305

Automated Fabric Inspection and Packaging Systems



# BALDWIN

On Oct 3rd, 2022, to ensure exceptional service amid growing demand for sustainable solutions, Swedish based, Baldwin Technology Co. Inc. announced Fi-Tech, Inc. as its sales agent in the U.S. and Canada for textile and nonwoven product lines.

Baldwin's contact free spray solutions enable fabric producers to significantly reduce their chemical, water, gas and power consumption while increasing productivity. The contact-free technology makes it possible to eliminate entire steps from the textile manufacturing process, such as multiple drying passes in coating application and bath changeovers required when switching between fabric colors to avoid color contamination.

Baldwin offers three main technologies for different end purposes.

First, the TexCoat G4 revolutionizes non-contact finishing with total process control by providing continuous high quality finish application with zero-chemistry waste and minimal water and energy consumption. The TexCoat G4 is a precision spray machine engineered and manufactured in Europe that not only reduces water, chemicals, and energy consumption, but also provides the flexibility to adapt to a customer's needs in terms of single and double-sided finishing applications. The

machine saves finishing chemistry it uses, with no waste or colour changeovers and no need for periodic padding unit renewals. It also reduces the amount of water used by 50% because of enhanced chemistry concentration. Productivity is also increased by 50% as a result of the lower wet pick up which allows for a higher line speed.

Energy consumption is also highly improved by the TexCoat G4 since a higher line speed leads to a more efficient use of the stenter. The machine also consumes less than 10% of the electric power of a padder.

Energy consumption is another factor highly improved by the TexCoat G4, since a higher line speed leads to a more efficient use of the stenter. The machine also consumes less than 10% of the electric power of a pad.

The non-contact textile finishing equipment utilizes precision valve technology coupled with optimized software algorithms to ensure accurate and even finishing coverage with virtually no waste. The TexCoat G4 can be utilized for a number

of fabric finishes that include vector protection (permethrin), antimicrobial, crease resistance, water repellency, stain and soil release and flame retardancy.

In addition, the TexMoister G2 Spray System, provides non-contact remoistening system, which provides full process control by easily setting the amount of water consistently and uniformly sprayed across the fabric, with repeatable results over time.

Finally, the Corona Pure considerably improves absorption and adhesion properties of fabric, via the system's high-voltage ceramic electrodes that generate an air plasma used to efficiently treat the fabric surface.

All three technologies have low to maintenance-free design and Baldwin provides strong aftermarket service and support. Baldwin has the capability to conduct trials of customer specific chemical formulations at their R+D center in Sweden.

One company that has invested in Baldwin technology is Pincroft, [www.pincroft.co.uk](http://www.pincroft.co.uk) a United Kingdom based company that services the workwear and military fabric sectors. In a recently published article promoting their sustainability achievements, Pincroft's Technical Manager stated:

*"The sustainability benefits of this new machine allow us to save up to 20% of the finishing chemistry, with no waste or colour changeovers and no need for periodic pad renewals. It also reduces the amount of water used by 50% as a result of increasing chemistry concentration. Productivity is also benefitted by the use of this new Pincroft's technology, with an increase of 50% caused by the lower wet pick up which allows for a higher line speed."*

<https://pincroft.co.uk/2023/01/16/pincroft-takes-a-step-forward-in-sustainable-textile-finishing/>

If sustainability, cost, and efficiency are goals for your company in 2023, Baldwin technologies should be a focus for your facility's evolution in the future.





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## EVENTS CALENDAR

### INDEX 23

April 18-21, 2023  
Geneva, Switzerland  
[www.edana.org](http://www.edana.org)

### Synthetic Yarn and Fabric Association

Spring Conference  
April 20-23, 2023  
Charlotte, NC  
[www.thesyfa.org](http://www.thesyfa.org)

### Techtextil North America

May 10-12, 2023  
Atlanta, GA  
[www.techtextilNA.com](http://www.techtextilNA.com)

### Cordage Institute Annual Conference

May 16-18, 2023  
Colorado Springs, CO  
[www.ropecord.com](http://www.ropecord.com)

### ITMA 2023

June 8-14, 2023  
Milan, Italy  
<https://itma.com/>

### World of Wipes

July 17-20, 2023  
Atlanta, GA  
[www.worldofwipes.org](http://www.worldofwipes.org)

### RISE

September 26-27, 2023  
Raleigh, NC  
[www.riseconf.net](http://www.riseconf.net)

### HYGIENIX 2023

November 13-16, 2023  
New Orleans, LA  
[www.hygienix.org](http://www.hygienix.org)

#### 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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