

Spring 2022

In-Line with **fi-tech**^{INC}

A Publication for Synthetic Fibers, Nonwovens and Textile Producers

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Todd Bassett

Welcome to the spring issue of *In-Line with Fi-Tech*. We have a lot to share with you in this newsletter with an active schedule ahead for exhibitions and conferences. But first, I would like to recognize Fi-Tech's 50th Anniversary milestone which was reached recently. On February 5, 1972, my dad and mom started Fi-Tech in a one room office in the Bon Air suburb of Richmond with the goal to serve the growing customer

base in the Synthetic Fibers Industry with a couple of key principals. From those humble beginnings, Fi-Tech has grown to 70 employees with offices and operations in US, Mexico and the UK. Fi-Tech now serves key markets in the Nonwovens, Synthetic Fibers, Textile, Tobacco and Leather Industries.

Fi-Tech's 50th Anniversary Celebration took place on Saturday, February 26, at the Jefferson Hotel in Richmond (see inset picture). Celebrating together with our Fi-Tech Richmond based employees and spouses were: retirees and spouses, key employees and spouses from our Mexico and UK operations as well as our Fi-Tech Board Members and spouses. It was quite an evening to reflect on the first 50 years with those representing our past, present and future.

Looking forward we have a busy spring/summer with several exhibitions planned. One of the highlights will be IDEA Show in Miami Beach, March 28-31, where the supply chain for the Nonwovens Industry meets every two years. Fi-Tech will have a booth (#4101) featuring representatives from our key nonwovens principals Asten Johnson, Spolex, Saueressig, Schill + Seilacher, Brückner, and Tokuden. Reifenhauser Reicofil and Enka Tecnica will be located in the booth next to us (Booth #3801).

In May, Fi-Tech will be participating in the Techtextil Show in Atlanta (Booth #1900) which serves the Technical Textile and Synthetic Fiber markets in North America. We will also have representatives at the Techtextil Show – Frankfurt, June 21-24. We finish June with the World of Wipes Conference in Chicago, June 27 -30.

We hope you enjoy this issue of *In-Line with Fi-Tech* and look forward to seeing you at one of these up coming Shows or Conferences. As always, you can find more details on Fi-Tech and our principals at www.fi-tech.com.

21st Century Digitization and Lean

At the end of the 20th century, a man named John Vincent Atanasoff (with the help of Clifford E. Berry) was credited with inventing the first

electronic digital computer at Iowa State College known as ABC (Atanasoff-Berry Computer). Sometimes, the most impactful breakthroughs of the future have quiet and humble beginnings.

At the start of the 21st century, Fi-Tech continued growth towards the future by launching the SPPS project (started 6/1/2021).



SPPS stands for:

- Streamlining Workflows
- Process Improvement
- Paper Elimination
- Storage & Retrieval Systems

This classic lean project aims to identify redundancies, aka waste, and eliminate them in our current processes. The project will eliminate elements of our process that do not add overall value.

■ Continued on page 3

Techtextil North America 2022

Techtextil North America is scheduled this year for May 17-19, 2022, at the Georgia World Congress Center in Atlanta, Georgia. Techtextil North America is the only trade show in the US dedicated to Technical Textiles and Nonwovens. In addition to the exhibition, a symposium will be held featuring numerous sessions on the latest developments regarding technology, research, products, and processes as well as the latest industry trends. Building on the success of the prior event in Raleigh, NC in August 2021, Fi-Tech has expanded the size of our booth and will have a full complement of staff on hand to support our partners in the fiber, nonwovens, and technical textile sectors.

techtextil

NORTH AMERICA

Please visit booth #1900 to engage with our staff and to obtain additional information on our principals listed below. In addition, our partners at Bruckner and Testa will also participate with their European sales management teams in the German and Italian Pavilions respectively.

Synthetic Fiber Machinery and Components

Ambersil – Spinneret Spray

Autefa Solutions Germany – Balers and Bale Wrapping Systems

Cason Textile Machinery – Bobbin Strippers: Manual, Semi Automatic, Fully Automatic

Enka Tecnica – Jet Strips, Die Tips, Spinnerets, Breaker Plates and Spin Packs for all applications

Saurer Fibrevision – On-Line Monitoring Systems, Sensors, Lab and At-Line Monitoring Systems

filtertechnik.Europe – Pack Filter Screens and Screen Changer Filters

Galan Textile Machinery – Ring Twisting Machinery, Winders, Creels

Heberlein – Interlacing Jets, Air Texturing TexJets, Aspirators and Splicers

MOVEngineering Srl – Hypox Spinneret and Pack Cleaning Units and Polymer Filter Systems

Mozart – Fiber Cutting Blades and Slitting Blades

Reifenhauser REICOFIL – Spunbond and Composite Nonwoven Systems

Schill + Seilacher – Fiber Finishes

Sikoplast – Fiber and Nonwoven Recycling Systems

Temco Rieter Components – PU Discs, Separator Rollers, BCF Jets, Arbors for Covering Machinery - ICBT/RPR

Tokuden – Induction Heated Godet and Drying Rolls for Fiber and Film Processes

Nonwovens Machinery and Components

Reifenhauser REICOFIL – Spunbond and Composite Nonwoven Systems

Schill + Seilacher – Nonwoven Surfactants

filtertechnik.Europe – Screen Changer Filters and Filters for Long Spinning Plates

Enka Tecnica – Spunbond Spin Plates, Meltblown Dies, Jet Strips

Hastem – Slat Transport Aprons for Nonwovens

Saueressig Ungricht – Engraved Rolls, Engraved Roll Repair, Microporous Shells

Asten Johnson – Specialized Belts for Light to Heavy Nonwovens

Spoplex SAS – Traverse Winders and Spooling Equipment, Slitter Rewinders

Sikoplast – Plastics Waste Recycling, Edge Trim Recycling

Idrosistems – Hydroentanglement Water Treatment

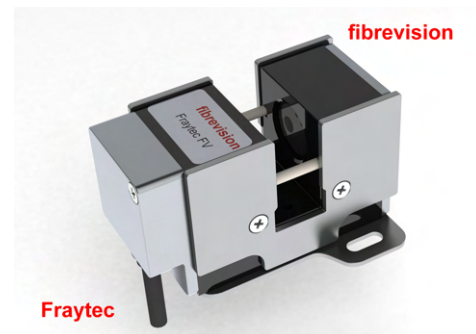
■ Continued on page 6

Fraytec FV2 Sensors

Sauer Fibrevision now supplies the Fraytec FV2 - an upgraded version of the industry standard Fraytec FV - providing the same reliable detection and counting of broken filaments - along with full characterisation of the size of broken filaments and slubs. The Fraytec FV2 provides reliable detection of individual broken filaments down to 8µm diameter at highest speeds up to 8,000 m/minute.

The compact sensor's fully sealed design can be fitted to almost all types of machines and fits on same mounting as the previous Fraytec FV sensor. Software filters can be used to eliminate noise created by yarn movement eliminating false positives.

The Fraytec FV2, like the Fraytec FV, also measures interlace frequency and distance and can also measure denier variation.



► 21st Century Digitization cont...

SPPS will focus our company to be a better and more efficient organization by making job functions easier – not more complicated. Paper usage will decrease eliminating the pain points caused by missing files and missing instructions. Another benefit is that our team will electronically retrieve records from our archive, which have only been accessible via hardcopy.

The first half of this project has been focused on documenting current state and defining the problems. At the end of Q4, the work showed that our next step would be the purchase of Papersave Software.

The software is on track for implementation at Fi-Tech Headquarters at the end of Q1/start of Q2. This software will ensure that orders will be handled efficiently and accurately as Fi-Tech is obligated to provide superior service and value to our customers and principals. This project is proof that Fi-Tech is committed to maintaining and investing in the company infrastructure to meet our customers' needs.

Currently, the project involves entire US team, but could have future connections with the offices located in Mexico and the UK.

Fi-Tech represents these companies to serve manufacturers of Fiber and Polymer Products

Ambersil - England

Anti-Stick Silicone Spray, Spinneret Lubricants

Autefa Solutions GmbH - Germany

Bale Presses, Bale Wrapping & Strapping Systems

Cason Textile Machinery - Italy

Bobbin Strippers, Semi-Manual and Automatic POY/FDY Spinning Plants

EuroSpares - USA

Spare Parts Service for European Machinery

filtertechnik.Europe GmbH & Co. Kg - Germany

Filter Screens for Spin Packs, Filters for Screen Changers, Filter Belts

Galan Textile Machinery- Spain

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

HANSA MIXER - Germany

In Line Mixers and Foamers

Heberlein - Switzerland

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

MOVEngineering Srl - Italy

Hypox® Spinneret & Pack Cleaning Units, Hypox® Polymer Filter Systems, Auxiliary Cleaning Equipment

Mozart AG - Germany

Staple Cutting Blades, Film Slitting Blades

Reifenhäuser Enka Tecnica GmbH - Germany

Spinnerets, Extrusion Dies, Spinpacks, Breaker Plates

Reifenhäuser REICOFIL® GmbH & Co. KG - Germany

Extruders, REICOFIL Spinbonding Plants, Melt Blowing Plants

Rieter Components & GmbH, TEMCO - Germany

Texturing Units, PU Friction Discs, Air Entangling Jets for BCF, Industrial & Glass Fibers, Separator Rollers, Guide Rollers, Special Bearings

Saurer Fibrevision - United Kingdom

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

Schill+Seilacher GmbH - Germany

Spin Finishes, Fiber Auxiliary Chemicals

Sikoplast Recycling Technology GmbH - Germany

Recycling Plants for PET, PA, PP and PE Waste

T.EN Zimmer GmbH - Germany

Spare Parts Service for Zimmer® Plants

Tokuden Co., Ltd. - Japan

Induction Heated Rolls®, Air Cooled Hybrid Rolls, UPSS Super Heated Steam Compressor

Zentes Unitex GmbH - Germany

Promik Spinneret Inspection Devices, Melt Pump Tester, Spin Finish Pump Tester, Specialty Chemicals, European Spare Parts



MARCH 28-31

AstenJohnson Advanced Fabrics – Fi-Tech Booth 4101

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

Brückner Textile Technologies – Fi-Tech Booth 4101

Brückner is a leading producer of finishing and thermal treatment lines and dryers for the Nonwovens Industry. Representatives of Brückner will be present to discuss its newest developments in belt dryers. This includes belt dryers with high evaporation capacity for hydroentangled nonwovens and belt dryers with gentle transport and precise temperature control for thermo-fused carded nonwovens for ADL.

Reifenhäuser Enka Tecnica GmbH – Booth 3801

Enka Tecnica continues to lead the way in new technologies for making precision spinnerets, hydroentanglement jet strips, meltblowing 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.

HANSA Mixer - Fi-Tech Booth 4101

Whether it's for nonwovens, textiles, or carpets, Hansa Mixer's foam mixers, in-line compounding systems and other mixing systems offer maximum material savings and consistently high product quality.

The Nonwoven and Engineered Fabrics Industry returns to Miami Beach for IDEA 22

On March 29-31, IDEA22 will be held in person at the Miami Beach Convention Center. IDEA22 is the premier event of the Nonwovens Industry bringing together all aspects of nonwovens including raw materials, machinery, components, and roll goods. The following suppliers represented by Fi-Tech will be exhibiting:

Hastem GmbH - Fi-Tech Booth 4101

Hastem is a developer and producer of slat conveyors. For more than 50 years the name Hastem has been synonymous with innovation, design and construction of slat transport aprons and spiked/needle aprons.

IDROSISTEM energy Srl - Fi-Tech Booth 4101

IDROSISTEM has specialized in the treatment of water for spunlace plants for many years. During this period, IDROSISTEM has analyzed the main problems of the industry and has developed specialized technologies to solve them. All of IDROSISTEM's engineers, technicians and designers are fully qualified and dedicated to providing customers with the best plants. 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 3801

Whenever anyone talks about spunbond, meltblown and composite nonwovens, the name which naturally comes to mind is REICOFIL. They are world renown 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 all of these important nonwoven processes.

Spoolex-Calemard – Fi-Tech Booth 4101

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 4101

Schill+Seilacher is the world's largest supplier of technical finishes for the Nonwoven 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 can offer solutions.

Saueressig Surfaces – Fi-Tech Booth 4101

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 rolls. In addition to new rolls, they also offer re-engraving and refurbishing services for damaged or worn rolls.

Tokuden, Inc. – Fi-Tech Booth 4101

Tokuden will be participating in IDEA22 for the first time 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.

AstenJohnson Advanced Fabrics

AstenJohnson Advance Fabrics is the leading supplier to the nonwoven industry for forming wires, dryer fabrics and transport fabrics used in most nonwoven production processes such as airlay, carding, meltblown and spunbond. Strong performance is their daily expectation. Through unique fabric designs, these specialized belts, which support light-weight to heavy web nonwovens, are backed by a dedicated team of experts whom their customers can rely on daily. Faster belt speeds and cost containment demands dictate belt performance throughout the nonwoven manufacturing process. AstenJohnson fabrics install quickly, run smoothly and clean easily. That's why they are trusted for their ability to optimize production uptime while simplifying day-to-day operations.

In the Americas, AstenJohnson services the nonwoven industry from their specialized manufacturing facility in Valleyfield near Montreal. With over 100,000 square feet of manufacturing space, this facility focuses on nonwoven and other technical applications for the Advanced Fabrics division. The Valleyfield site is augmented by the Eupen, Belgium plant having the same equipment and same overall capabilities as Valleyfield. Having two dedicated manufacturing sites on 2 different continents has allowed AstenJohnson to grow their market share in all regions throughout the global nonwoven industry. Both sites produce the key fabrics for spunbond and SMS production, carding, airlaid, chemical bond and through air bond processes. Some of these key products include the WebMaster N16C, WebMaster N20C, WebMaster N1338C, WebTec N12C, WebMaster N860C and WebMaster N860C-GWS.

From a strategic perspective, AstenJohnson has experienced strong growth in their business in North America, capturing market share through innovative fabric designs and strong customer service. Through ongoing investments in people and equipment, AstenJohnson continues to build on their strong foundations in Valleyfield and Eupen.

When you choose AstenJohnson Advanced Fabrics expect quality and service at every turn.

Fi-Tech represents these companies to serve manufacturers of Nonwoven Products

AstenJohnson Advanced Fabrics - USA

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

Brückner Textile Technologies - Germany

Thru Air Dryers and Heat Setters, Stenters, Heat Recovery and Air Purification Systems, Laminating Equipment

EuroSpares - USA

Spare Parts Service for European Machinery

filtertechnik.Europe GmbH & Co. Kg - Germany

Filter Screens for Spin Packs, Filters for Screen Changers, Filter Belts

HANSA MIXER – Germany

In Line Mixers and Foamers

Hastem Transportbänder GmbH - Germany

Slat Aprons, Spiked/Needle Aprons, Spare Parts

Idrosistem Srl - Italy

Water Filtration Systems for Spun Lace Production

MOVEngineering Srl - Italy

Hypox® Spinneret & Pack Cleaning Units, Hypox® Polymer Filter Systems, Auxiliary Cleaning Equipment

Reifenhäuser Enka Tecnica GmbH - Germany

Spinnerets, Extrusion Dies, Jet Strips, Die Tips, Repairs, Complete Meltblown Die Bodies

Reifenhäuser REICOFIL® GMBH & CO. KG - Germany

Turnkey Plants for Spun Bond, Meltblown, Composite, Laminated Fabrics, Bicomponent, Maintenance Products, Spare Parts

Rieter Components & GmbH, TEMCO - Germany

Guide Rollers, Separator Rollers, Special Rollers and Bearings for High Speed Applications

Saueressig UNGRICHT Surface Solutions – Germany

Calendar Engraved & Smooth Rollers, Embossing Rollers, Engraved & Smooth Chill Rolls, Heated Non Stick Press Rolls, Ultrasonic Anvils, and MPS Microporous Shells

Schill+Seilacher GmbH - Germany

Surfactants, Antistats, Specialty Chemicals

Sikoplast Recycling Technology GmbH - Germany

Recycling Plants for PET, PA, PP and PE Waste

Spoolex/Calemard - France

PEGASE Traversing Winders & Spooling Equipment, Orion and Centaure Slitter/Rewinders

Tokuden Co., Ltd. - Japan

Induction Heated Rolls®, Air Cooled Hybrid Rolls, UPSS Super Heated Steam Compressor

WISTA GmbH - Germany

Punch Perforating Machines, Commission Perforating Services

Zentes Unitex GmbH - Germany

Spinneret Inspection Devices, Specialty Chemicals, European Spare Parts

BRÜCKNER ECO-COAT Minimum Application Unit

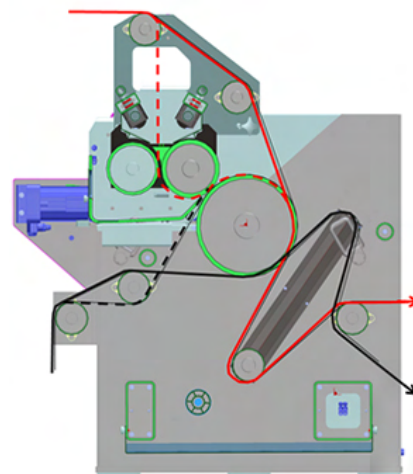
Several years ago, BRÜCKNER launched the highly successful ECO-COAT minimum application unit. Since then, this unit has proven itself in practice and has been continuously developed and optimized for special customer requirements.

The ECO-COAT is mainly used for the impregnation and application of aqueous finishes on one or both sides of the fabric in widths up to 2800mm / 110". The ECO-COAT has the flexibility to handle a wide variety of finishing chemicals and pretreatments required for printing on woven and knitted fabrics. The end products are found in the fashion apparel sector and in technical applications.

Depending on the requirements, four different fabric paths are available with the ECO-COAT:

- minimum application via the engraved roller
- impregnation in the nip
- one-sided application on the top of the fabric and
- one-sided application on the back of the fabric

With minimum application via an engraved roller, a single-sided application quantity of 15 - 100 g/m² can be achieved with the ECO-COAT, which results in lower energy consumption in the drying process compared to application in the padder. For a double-sided application and higher applied quantities on the textile web, the desired result can be achieved by impregnation in the nip. Due to the low liquor reservoir, only small amounts of waste liquor are produced during batch or liquor changes for all fabric paths. In addition to woven and knitted fabrics, the ECO-COAT can also be used to finish nonwoven substrates.



The benefits of the ECO-COAT at a glance:

- Resource-saving, environmentally friendly application system
- Wide range of application possibilities in one unit
- Low residual liquor
- Minimal use of chemicals
- Functionalization with liquid media
- Easy replacement of the roller cassette
- Flexible adjustment of the applied quantity via the engraved roller nip
- Suitable for different types of fabric

■ [Techtextil North America 2022 cont...](#)

Technical Textile and Textile Machinery Suppliers

Brückner Textile Technologies - Tenter Frames, Through Air Dryer Systems for Nonwovens

Corino S.p.A. – Hydro Extraction, Tubular Slitters, Web/Edge Guidance Systems, Padders

Erbatech GmbH – Open Width and Tubular Bleaching/Washing Ranges, Vacuum Slots

Guarneri S.R.L. – Textile Calenders

Idrosistems – Dyehouse Waste Water Recovery Plants

HANSA Mixer – Foam Generators and Mixers

KKA GmbH – Coating, Print/Lacquering, Calendering, Lamination, Embossing, Slitter/Rewinder

Benninger (Lab-Pro GmbH) – Jet, Beam and Jigger Dyeing Machines and IR Laboratory Dyeing Equipment

Mario Crosta S.p.A. – Raising/Napping, Sueding and Shearing Equipment

Mayer & Cie. – Circular Knitting Machines in a Wide Range of Diameters, Gauges and Constructions for Applications in Automotive, Home Furnishing and Technical Textile Sectors

Ontec Automation GmbH – Scrim Products for Reinforcement of Fabric Structures used in Roofing Membranes, Floor Coverings, Adhesive Tapes, Geo-Textiles and Pool Liners

Pindarus S.r.l. - Raising Fillet Wire, Cleaning Brush Wire, Felt and Rubber Backing

Shelton Vision – In line Vision Systems for Weaving Looms, Warp Knitting, Tenter Frames and standalone applications

Tecnorama S.R.L. – Automatic Dispensing of Dye-stuffs and Chemicals for Laboratory and Bulk Applications

Testa S.R.L. – High Technology Solutions for Inspection, Cutting Optimization and Packing for Rolled Goods

Right First Time Dyeing

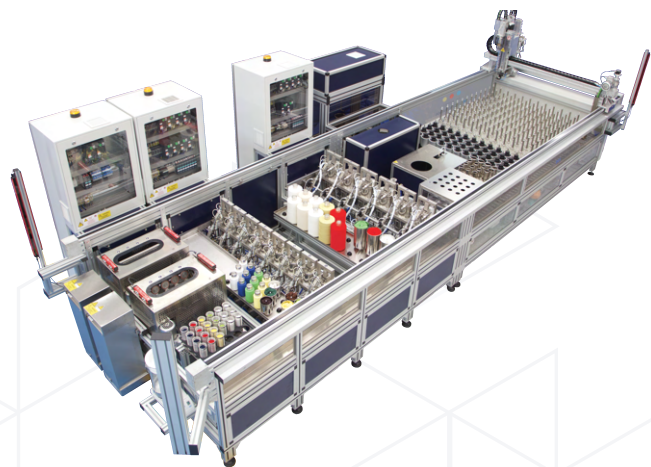
Tecnorama has introduced the Rotodyrama laboratory dyeing module that can be integrated into their well-known Dos&Dye® System. This machine has 5 independent dyeing units with a maximum loading capacity of 50g. The Rotodyrama was evolved from the Shakerama model, both use the same dyeing concept where the dyebath and material move simultaneously. This allows excellent repeatability with production jet and rotating basket dyeing machines.

The Tecnorama Dos&Dye System is a completely automated solution making, dispensing, and dyeing system. The system can be programmed to operate 24 hours a day and 7 days a week with minimal operator intervention complying with Industry 4.0 standards. The Dos&Dye system executes all the laboratory dyeing cycles, increasing the productivity both for laboratory and bulk. The Right First Time results in huge savings of time by elimination of rework for the dyehouse.

When a fully automatic Tecnorama system is purchased, many benefits are created. First there is a decrease in labour via the automated sampling thus reducing night or weekend work. Second, errors are eliminated when formulating an exact recipe saving considerable time and raw materials. Finally, the system allows the reduction of water and energy consumption yielding an environment-friendly approach.

Tecnorama remains committed to significant investment in Research and Development internally. This has led to the recognition of Tecnorama as an Innovative SME by the Italian Ministry of Economic Development.

For more information contact imills@fi-Tech.com , fadams@fi-tech.com or jethridge@fi-tech.com



Fi-Tech represents these companies to serve manufacturers of Textile/Technical Textile Products

Brückner Textile Technologies GmbH & Co.KG - Germany

Tenter Frames, Thru Air Dryers, Compactors, Relax Dryers, Coating Systems, Heat Recovery and Air Purification

Corino S.p.A. - Italy

Hydro Extraction, Rope Openers, Die Twisters, Tubular Slitters, Web/Edge Guidance Systems, Padders, Batching Stations, Fabric Inspection Machines

Erbatech GmbH - Germany

Open Width Bleaching and Washing Ranges, Tubular Bleaching and Washing Ranges, Padders/Foulards, Vacuum Extraction, Cold Pad Batch

Guarneri Technology S.r.l. - Italy

Textile Calenders

HANSA MIXER - Germany

In-Line Mixers and Foamers

Idrosistem Srl - Italy

Water Treatment and Recovery Plants for Textiles

KKA GmbH - Germany

Coating, Roto-Gravure, Printing/Lacquering, Calendering, Laminating, Embossing, Slitter/Re-Winders

Lab-Pro GmbH - Switzerland

Jet Dyeing Machines, Beam Dyeing Machines, Laboratory IR Dyeing Equipment

Mario Crosta S.r.l. - Italy

Single/Double Drum Raising/Napping, Sueding, Shearing, Lamination

Mayer & Cie. GmbH & Co. - Germany

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

Ontec Automation GmbH - Germany

Scrim Products for Reinforcement of Fabric Structures used in Roofing Membranes, Floor Coverings, Adhesive Tapes, Geo Textiles and Pool Liners

Pindarus S.r.l. - Italy

Raising Fillet Wire, Cleaning Brush Wire, Felt and Rubber Backing

Shelton Vision Ltd. - UK

Vision Inspection & Defect Classification Systems

Tecnorama S.R.L.

Automatic Powder and Liquid Dye/Disperse Dispensing, Bulk and Lab Scale Systems
Automatic Powder and Liquid Dye/Disperse Dispensing, Bulk and Lab Scale Systems

Testa S.r.l. - Italy

Automated Inspection and Packaging Systems



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EVENTS CALENDAR

IDEA 2022

March 28-31, 2022
Miami Beach, FL
www.inda.org

Techtextil North America

May 17-19, 2022
Atlanta, GA
www.techtextilNA.com

Techtextil

June 21-24, 2022
Frankfurt, Germany
www.techtextil.com

World of Wipes

June 28-30, 2022
Chicago, IL
www.worldofwipes.org

RISE

September 27-28, 2022
Raleigh, NC
www.riseconf.net

K 2022

October 19-26, 2022
Düsseldorf, Germany
www.k-online.com

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