

Fall 2016

# In-Line with **fi-tech**

A Publication for Synthetic Fibers, Nonwovens and Textile Producers

Fi-Tech, Inc. 2400 Pari Way, Midlothian, VA 23112-3858 • 804.794.9615 • Fax 804.794.9514 • e-mail: sales@fi-tech.com • www.fi-tech.com



**Jeff Bassett**

Welcome to our fall issue of *In-Line with Fi-Tech*. The last few months, and especially the last few weeks, have been quite hectic as we pushed to complete the new building and move by early September. The weather this past spring slowed the progress, but in the end, we were permitted to move in over Labor Day weekend. I wish to give a special thanks to Rick Williamson and Brian Williamson for all their efforts to help oversee and to manage the project and to coordinate the move. In addition, a special thanks to John Chandler and Greg Waterman for all the extra efforts to move our warehouse and have systems up and running on Tuesday after Labor Day. Lastly, I want to thank Vicky Wilson and Barb Koch for all their efforts to organize, pack and unpack. You never know how much time and effort goes into such an endeavor until you go through it. We look forward to being in our new space and the opportunities it will afford us to grow and to better serve our customers.

During 2016, we have numerous significant ser-



vice anniversaries among the Fi-Tech Team. At the top of the list is Pat Stith. In July, Pat had her 40th anniversary with Fi-Tech. This is quite amazing since Fi-Tech had its 44th anniversary in February!

In addition, Vicky Wilson had her 35th service anniversary at the beginning of September. We appreciate both Pat and Vicky's length of service to Fi-Tech and our customers. In our office in Mexico, Jacobo Villalobos had his 15th service anniversary in April and Hector de la Torre will reach his 10th in October. Veronica Herrera reached her 5th anniversary in July. Finally, both Brian Williamson and Greg Waterman had their 5 year anniversaries in February and September respectively. We thank each of them for their dedication and ongoing support of our mission.

In this issue, we also have further updates on key industry events this fall including the K Show in Düsseldorf, Hygienix 2016 in Orlando and FloorTek in Dalton. Please visit us or our principals at these events.

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## **New Headquarters Now Complete**

After almost 12 full months of weather related challenges, Fi-Tech, Inc.'s North American Headquarters is now complete! Through frigid cold and snow, to sweltering heat, and record rainfall, we now have a new state-of-the-art building to call our home. At 17,000 square feet, our new facility allows us greater warehouse flexibility for critical components and spare parts for our customers, and the capability for future growth. Our office space better aligns our hardworking Fi-Tech Team and enhances our ability for improved workflow and customer service.

We are very excited to be complete, and look forward to better serving you.

## Fibrevision Fraycam 2

The Fraycam has been in use for many years as the best method for providing image captures of broken filaments and slubs in high speed extrusion processes. The new Fraycam 2 is the next generation system which replaces the bulky existing Fraycam System. It can be used as a stand-alone system or integrated with the existing Fraytec FV2 System.



### The Fraycam 2 System is:

- A self-contained system comprising a high speed camera unit, power supply and laptop PC.
- Compact, measuring only 145 x 142 x 49 mm, making it easy to mount in the thread line.
- Durable to use in an industrial environment, being fully shrouded. Integrated guides provide for easy threading but also allow easy movement between thread lines.
- Operates via Power over Ethernet.

### Applications:

#### R&D

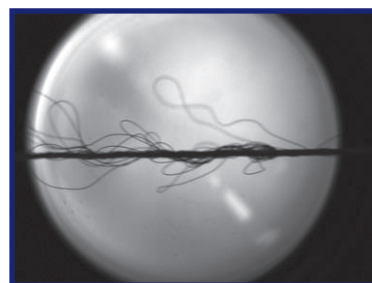
Fraycam 2 capture of fault images provides invaluable insight in to the key aspects of both process and machinery during the development phase, allowing more informed decisions, reducing costs and improving effectiveness.

#### Production

The Fraycam 2 image capture provides exceptional diagnostic data when problems are encountered in spinning, resulting in quicker identification and resolution of problems.

### Features and Benefits:

- The Fraytec FV2 sensor identifies all broken filament faults.
- When each event is detected, the camera is triggered to take an instantaneous needle sharp image, which is displayed on the laptop and is saved automatically together with relevant data.
- Provides reliable detection of individual broken filaments down to 5  $\mu\text{m}$  diameter at speeds up to 8000 m/min.
- Both individual broken filaments and larger “slub” events are captured, allowing detailed analysis of fault.



**Slub**

As you can see from the sample photo, the Fraycam 2 can give you unique insight as to what is happening in your process. You can see the yarn fault which provides clues as to what is causing the problem.

### Fraytec FV2 Sensors:

Sauer Fibrevision now supplies the Fraytec FV2, an upgraded version of the industry standard Fraytec FV. It provides the same reliable detection and counting of broken filaments with full characterisation of the size of broken filaments and slubs. The Fraytec FV2 provides reliable detection of individual broken filaments down to 8 $\mu\text{m}$  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 the same mounting as the previous Fraytec FV sensor. Software filters can be used to eliminate noise created by yarn movement eliminating false positives.

**Continued top of page 3**

The Fraytec FV2, like the Fraytec FV, also measures interlace frequency and distance and can also measure denier variation. The new generation Fraytec FV2 possesses the following improvements over the Fraytec FV:

- FV2 sensors are provided with 3 fault size options, 3mm, 4.5mm and 6mm. FV was supplied with a combination of 2 fault size options, 3mm and 6mm or 4.5mm and 6mm.
- FV2 now allows fault size options to be changed via software. FV options were changed via “jumpers” located in the sensor itself, making changes not quite as easy.
- FV2 has a 3 color display built into the sensor to indicate which fault size option has been selected and ensures security of production.
- FV2 has a much improved electrical noise immunity, so there is no requirement for additional shielding to be fitted to the sensor cables.
- FV2 allows 12 channels per Section Module. FV was restricted to 8 Channels per Section Module.
- FV2 has a new D-Type connector which has replaced the existing RJ45 connector on the existing FV.

## FloorTek Expo – October 18-20, 2016

AFA will host the FloorTek Expo at the Dalton Convention Center (formerly the NWGTC) in Dalton, GA. FloorTek is known for being the premier showcase of machinery, technology, suppliers and services in the floorcovering industry. This event includes technology solutions, demonstrations, and select educational opportunities for exhibitors and attendees across all flooring segments. Fi-Tech, Inc., together with more than 60 exhibitors, will be showcasing all aspects of the very latest in designs, equipment, and technologies. Carpet manufacturers who attend will gain insight to the full range of products and technology in order to have that competitive edge needed in today's market. Fi-Tech will offer information on the following products and services: ENKA TECNICA Spinnerets, Breaker Plates and Distributors; HEBERLEIN BCF Pre-Tack and TopAir Interlacing, and Yarn Break Detector; Saurer TEMCO LD32, LD4 and LD5 Tangling Jets, Inserts, Separator Rollers and spare parts; TOKUDEN Induction Jacket Heated Rolls; HSGM Heat-Cutters and rebuild parts; and TEAMSESCO Industrial Technology Services. **Visit us at Booth 305.**

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## 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

### **DM&E Corp. - USA**

Fiber Cutters, Tension Stands, Cutter Reels, Crimper Repairs

### **Enka Tecnica GmbH - Germany**

Spinnerets/Extrusion Dies, Spinpacks, Breaker Plates

### **EuroSpares - USA**

Spare Parts Service for European Machinery

### **Fibrevison - United Kingdom**

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

### **filtertechnik.Europe GmbH & Co Kg - Germany**

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

### **Galan Textile Machinery- Spain**

Mini Twisters, Heavy Duty Twisters, Specialty Twisters

### **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 REICOFIL® GmbH & Co. KG - Germany**

Extruders, REICOFIL Spinbonding Plants, Melt Blowing Plants

### **Schill+Seilacher GmbH - Germany**

Spin Finishes, Fiber Auxiliary Chemicals

### **Sikoplast Recycling Technology GmbH - Germany**

Recycling Plants for PET, PA, PP and PE Waste

### **Technip Zimmer GmbH - Germany**

Complete Engineered Staple Fiber & Filament Plants, Plants for Engineered Plastics, Polymerization & Solid State Polycondensation Plants

### **TEMCO - Germany**

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

### **Tokuden Co., Ltd. - Japan**

Induction Heated Rolls®

### **Trützschler Man-Made Fibers - Germany**

Staple Fiber Lines, Crimpers, Draw Lines, Carbon Fiber Production Lines

### **Zentes Unitex GmbH - Germany**

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

## **K-Show Dusseldorf, Germany October 19-26, 2016**

This fall brings again the tri-annual K-Show to Dusseldorf, Germany, October 19-26, 2016. The K is the largest trade show in the world related to the plastics industry, drawing over 3,000 exhibitors representing the complete plastics industry supply chain. Fi-Tech will have representatives in attendance from our Richmond, Mexico, and UK offices to support our customers visiting the 11 principals we have exhibiting at the show. For help booking your hotel rooms or for tickets, please go to the official K website, [www.k-online.com](http://www.k-online.com). Fi-Tech hopes to see you there. Following is brief review of our principals who will be exhibiting at the K this year:

### **Galan Textile Machinery, S.L. – Hall 3, Booth A69**

Galan is a leader in the design, development and manufacturing of spinning, twisting and winding machinery of all types of natural and synthetic fibers. Galan will have several machines on hand demonstrating their capabilities.

### **Herrmann Ultrasonics – Hall 11, Booth E26**

Herrmann is the Recognized Technology Leader in ultrasonic welding machines, generators and sonotrodes. Herrmann will have on display various ultrasonic bonding equipment for the plastics, nonwovens and packaging industries.

### **August Herzog GmbH – Hall 3, Booth G62**

Herzog is the world's leading manufacturer of braiding machines and winding equipment. Herzog has shown its competence in braiding and winding since 1861 based in Oldenburg in Northern Germany.

### **KKA GmbH – Hall 3, Booth D05**

KKA will be on hand with a team of experts promoting their extensive experience in coating, printing/lacquering, calendaring, laminating, embossing, slitting/rewinding systems and equipment.

### **MOVEngineering Srl – Hall 9, Booth E65**

The experts from MOVE will promote their proven Hypox® Cleaning Systems and Hypox® Filters. The Hypox® uses super-heated steam to clean parts contaminated with polymer.

### **MOZART AG – Hall 11, Booth F59**

MOZART AG was founded in Solingen, Germany in 1923. Over the years the company has developed into one of the world's leading producers of technical blades thanks to the high quality of its extensive range of blades for cutting foils, films and deburring plastics.

### **Reifenhäuser Group – Hall 17, Booth C22**

The Reifenhäuser Group of companies including Reicofil®, Reimotec, Reimotec WT, Reifenhäuser Blown and Cast Film will show their extensive range of spunbond/meltblown nonwoven systems, complete monofilament lines as well as blown and cast film systems for a wide variety of applications. The massive Reifenhäuser stand is always a hub of activity at K. An open house expo will be held in their Troisdorf facility on October 21, 24 and 25 where a complete range of machines can be seen in operation.

### **Schill + Seilacher GmbH – Hall 8A, Booth G10**

Schill + Seilacher develops and produces spin finishes and specialty chemicals for all types of plastics, leather, and textiles. See how S+S can help you find ways to improve your products.

### **Sikoplast GmbH – Hall 9, A74**

As one of the leading manufacturers of complete lines for recycling thermoplastics, Sikoplast will be at K to present the latest technology from grinders to extruders to screen changers to pelletizers.

## **UNGRICHT Roller + Engraving Technology – Hall 4, Booth A56**

UNGRICHT leads the world in the custom manufacture of calendar and embossing rolls for numerous applications. Their extensive 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 as well as re-engraving and refurbishing of damaged or worn rolls.

**For Fi-Tech After Hours Service  
Call 804-794-9615**

**You'll receive instructions on how to contact a  
Fi-Tech Team Member who is on call to assist you.**



Fi-Tech and several of its key principals in the nonwovens industry will be participating in and exhibiting at the Hygienix 2016 Conference being held October 24-27, 2016, at the Loews Portofino Bay Hotel in Orlando, Florida. Come join Fi-Tech and over 600 industry professionals at the premier conference for the Absorbent Hygiene and Personal Care Markets. Speakers will include a keynote address by Bruce Lavash from P&G. The event includes renowned speakers from industry, networking opportunities and a tabletop exhibition with displays from key industry suppliers. Hygienix brings together professionals in the entire supply chain for the hygiene and personal care markets. We look forward to seeing you in Orlando in October!

## **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

### **Enka Tecnica GmbH - Germany**

Spinnerets, Extrusion Dies, Jet Strips, Die Tips, Repairs

### **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

### **Hastem Transportbänder GmbH - Germany**

Slat Aprons, Spiked/Needle Aprons, Spare Parts

### **Idrosistem Srl - Italy**

Water Filtration Systems for Spun Lace Production

### **Industrial Machine Mfg., Inc. - USA**

Spin Pack Components, Precision Custom-Made Machine Parts

### **MOVEngineering Srl - Italy**

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

### **Mahlo America, Inc. - USA**

On Line Monitoring Systems for: Basis Weight, Coat Weight, Thickness, Moisture

### **Reifenhäuser REICOFIL® GMBH & CO. KG - Germany**

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

### **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

### **TEMCO - Germany**

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

### **Tokuden Co., Ltd. - Japan**

Induction Heated Rollers®

### **UNGRICHT Roller + Engraving Technology® - Germany**

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

### **WISTA GmbH - Germany**

Punch Perforating Machines, Commission Perforating Services

### **Zentes Unitex GmbH - Germany**

Promik Spinneret Inspection Devices, Pocket Microscopes

### Brückner Invests EUR 40 Million in New German Production Site



Brückner Textile Technologies, the German based manufacturer of textile finishing lines has announced an investment of 40 million Euros in a brand new, state-of-the-art production facility in Tittmoning, Bavaria. Brückner has had a manufacturing presence in Tittmoning since 1960 and this investment is a commitment to the 180 production employees, the region and to maintain the “Made in Germany” brand.

In explaining the expansion plans, Mrs. Regina Brückner, Owner and CEO said “In the decision for the new building it was for us very important that all of our workers and employees could continue since our personnel is our major asset and their experience cannot be replaced. For this reason, it was never a possibility for us to move our production abroad. We would have lost many valuable workers and this loss we cannot afford and we do not want to since we are responsible for our employees and workers. And we are proud of our quality Made in Germany and we rely on it also in future.”

With over 260,000 sq. feet available for machine production, the new facility will not only provide

increased efficiencies due to the streamlining of work flows, but will also provide infrastructure to manufacture the increasingly wide machines now required for the technical textile sectors.

The building has been constructed with the most energy efficient technologies, along with environmentally sustainable landscaping, including a roof top photovoltaic system. “Our new production site shall be as efficient and energy-saving as our lines” says Regina Brückner.

The company’s headquarters, with almost 200 employees will remain located in Leonberg near Stuttgart. In addition to the Design Engineering, Sales, Marketing, Service, Spare Parts, Material Management, IT, Human Resources and Accounting functions, Leonberg also has a fully equipped research and development center, with production scale coating and finishing lines available for trials and development.

The company plans to be in full scale production at the new facility by end 2017.

## Product Spotlight

### Mario Crosta's Lisa 4 brusher/sueder

Mario Crosta has been at the forefront of innovation in the surface finishing of textile substrates for over 90 years. Their pursuit of process and product improvements has resulted in the development of the Lisa 4 sueding and brushing machine in various versions, can be suitable for wovens and knit substrates and in both open and tubular width fabrics.

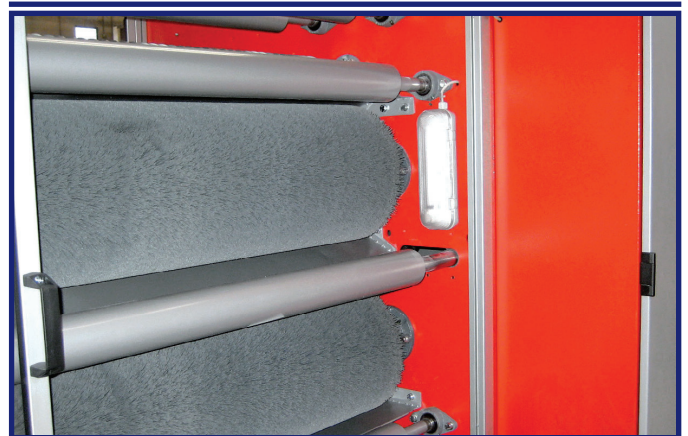


Lisa 4 Brusher

The revolutionary four roller brush design allows for enhanced product quality, consistency of suede across the width and significantly increased throughputs versus the traditional designs on the market. Each brush, with the longest carbon fiber bristles available, can be driven independently, at high speeds and if desired, even in different directions. Superior tension control, coupled with the most energy efficient drive system available ensure this technology will provide

## Expansion of Representation for Mario Crosta and Brazzoli

For the past two years, Fi-Tech, Inc. has represented Mario Crosta srl (Surface Finishing) and Brazzoli spa (Jet Dyeing) in the Mid-Atlantic and West Coast regions of the USA. We are now pleased to announce that the partnership has been expanded to cover all of the USA, including the key markets of New England and the Mid-West. In addition to capital sales, Fi-Tech will to provide spare parts and service for all customers in the new region.



a superior product at the lowest operational costs.

For further details contact Ian Mills.

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

### Brückner Textile Technologies GmbH & Co.KG - Germany

Tenter Fames, Thru Air Dryers, Compactors, RelaxDryers, Coating Systems, Heat Recovery and Air Purification

### Brazzoli S.p.A. - Italy

High Temperature Jet Dyeing, Lab Scale Jet Dye Equipment

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

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

### Corino S.p.A. - Italy

Hydro Extraction, Rope Openers, De-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

### Idrosistem Srl - Italy

Water Treatment and Recovery Plants for Textiles

### KKA GmbH - Germany

Coating, Printing/Lacquering, Calendaring, Laminating, Embossing, Slitter/Re-Winders

### Tecnorama S.R.L.

Automatic Dispensing for Textiles



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## EVENTS CALENDAR

### OUTLOOK 2016

September 21-23, 2016

Madrid, Spain

[www.edana.org](http://www.edana.org)

### FloorTek 2016

October 18-20, 2016

Dalton, GA

[www.floor-tek.com](http://www.floor-tek.com)

### K 2016

October 19-26, 2016

Dusseldorf, Germany

[www.k-online.com](http://www.k-online.com)

### HYGIENIX 2016

October 24-27, 2016

Orlando, FL

[www.inda.org](http://www.inda.org)

### Outlook Plus Latin America

March 7-9, 2017

Sao Paulo, Brazil

[www.inda.org](http://www.inda.org)

### INDEX 2017

April 4-7, 2017

Geneva, Switzerland

[www.edana.org](http://www.edana.org)

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Jeffrey G. Bassett, Todd L. Bassett, Christopher G. Layton, Jon A. Schmidt, D. Keith Wise, W. Randy Wise, Vicky Gant Wilson, Don B. Gillespie, Ian Mills, Brian W. Williamson.

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### Contact Information:

[www.fi-tech.com](http://www.fi-tech.com) • [www.euro-spares.com](http://www.euro-spares.com)

[Sales@fi-tech.com](mailto:Sales@fi-tech.com) • [sales@euro-spares.com](mailto:sales@euro-spares.com)

[www-fi-tech.com](http://www-fi-tech.com)

Phone: +1 (804) 794-9615 • Fax: +1 (804) 794-9514

### Latin America Office

Phone: (52)(444)8 13-0865 • Fax: (52)(444)813-2562