

IN-LINE with FI-TECH

Fall 2010

A publication for the Synthetic Fibers and Nonwovens producers

Fi-Tech, Inc. 501 Research Road, Richmond, Virginia 23236-3090 • 804.794.9615 • Fax 804.794.9514 • e-mail:



Jeff Bassett

During the last months, our management team has spent time updating our Mission, Vision and Core Values statements. Specifically, our Vision is to be both the premier and the preferred manufacturer's representative and distribution firm in the Americas. Our Mission focuses on how we will reach this central goal established in our Vision. You can find the actual updates posted on our web site. Our Fi-Tech Team is dedicated each day to offering our customers top quality systems and components while providing superior customer service. We are always open to feedback from you as to how we are doing and how we can improve our offerings and services. Please let us know by writing to sales@fi-tech.com.

I would also like to take this opportunity to recognize two Fi-Tech Team members for their 15 year service anniversaries. Both John Chandler, our Warehouse Manager, and Santiago Vivanco, our General Manager – Mexico, joined Fi-Tech in 1995. Both John and Santiago take great pride in their contributions to the Fi-Tech Team. Equally, we greatly appreciate their past and continued contributions to our success.

Lastly, Fi-Tech is quite proud of our INDA Entrepreneurial Achievement Award as presented at the IDEA 2010 in Miami Beach. Fi-Tech was selected as this year's award recipient for our acquisition of spinneret manufacturer, Enka Tecnica, together with our partner

K Show Düsseldorf, Germany October 27 – November 3, 2010

Time is drawing near for another outstanding K Show, in Düsseldorf, Germany. With everyone looking for a competitive advantage in today's market climate, what better place to look than the K 2010? The world's leading plastics and polymers market suppliers will be exhibiting the latest improvements and new designs at the K 2010 in Düsseldorf, Germany. In addition there will be experts in every phase of plastics and polymers, from over 3000 exhibitors, they're just waiting for a chance to pass along their knowledge. For help with booking your hotel rooms or tickets, please go to the official K website, www.k-online.de. Fi-Tech hopes to see you there and we will have the following principals exhibiting:

Galan Textile Machinery, S.L. Hall 3, Booth F91

Galan has become a leader in the development and manufacture of textile machinery for spinning, twisting and winding of all types of yarns. Working with their own patents and constant R&D projects, Galan has developed and manufactured twisting machines with unlimited possibilities, precision high speed winding machines, and totally versatile twisting frames built to the customer's needs.

Continued on page 4

Uwe Gaedike. We greatly appreciate the recognition bestowed upon us by INDA and the Nonwovens Industry.

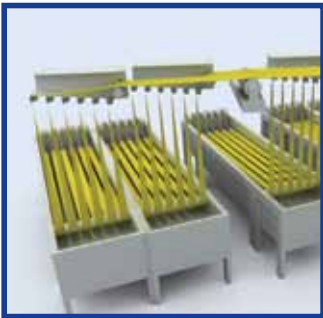


FLEISSNER PRECURSOR AND CARBON FIBER LINES

Through the experience that has been gained over the past 50 years by engineering standard fiber draw lines and being one of the leading suppliers of wet spinning lines for the production of Polyacrylic lines since the 1970's, Fleissner can now offer a total system for Precursor and Carbon Fiber Lines.

The pre-requisite for continuous production of high quality products at economical production costs in the fiber industry is tow uniformity. Only with precise tow guiding, specific draw ratios, and accurate speed control can you obtain the uniformity required in the production of Precursors. The latest state-of-the-art technology in design and layout was foremost in each component for both the Precursor and Carbon Fiber process lines.

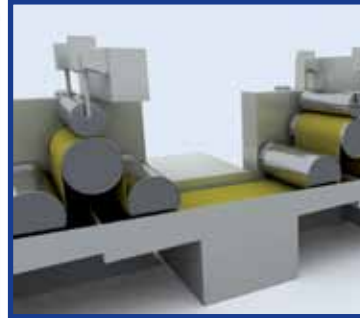
The major steps in the Precursor process line from Spinning to Winding are pictured below:



Spinning & Coagulation



Tow - Guiding



De-Solventing & Drawing

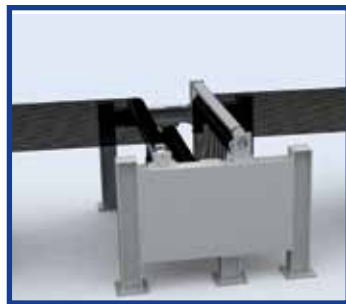


Drying & Heat Setting

The major steps in the Carbon Fiber line are shown below:



Guiding



Tensioning



Surface Treatment & Sizing



Winding

Systems with up to 80 tows allowing capacities of up to 5,000 t/a, depending on tow size, are available.

Please give us a call if you have an interest in learning more about the Fleissner Design Process Lines for Precursors and Carbon fibers.

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.

filtertechnik.Europe **A Reliable Supplier**

filtertechnik.Europe has provided high quality polymer, liquid and high-viscosity filtration products since 1973. They are a highly respected specialist for the use of wire mesh to produce filter elements such as pack filters, candle elements for polymer, and liquid filtration elements. Their core competence is wire mesh, which is able to absorb high pressures and temperatures, as well as resist aggressive polymers and additives. filtertechnik.Europe strives every day to serve their customers with specific knowledge of their customers demanding applications.

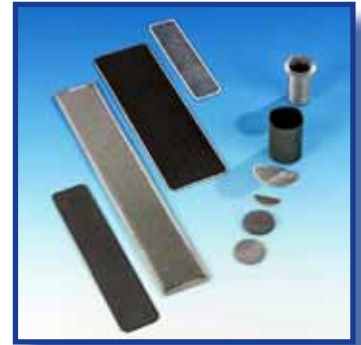
The following are reasons that filtertechnik.Europe is a reliable supplier:

- Engineering of new products
- Specific development of established products
- Targeted selection of the ideal filter medium
- Minimization of downtime in production through preventive measures
- Longer lifetimes of filters

filtertechnik.Europe manufactures a complete range of filter screens for the extrusion industry. Due to its proximity to the OEM machine builders in Europe, filtertechnik.Europe is a key supplier of screens to the OEMs, and as such, carries a large inventory of tooling for the filters for these extrusion plants. In addition, filtertechnik.Europe carries a full range of wire mesh material in stainless steel, carbon steel, nickel, copper, and other materials in a wide range of mesh sizes and types (plain weave, Dutch weave, square mesh, etc.). Whether your need is belt filters or spot welded screens for your screen changers - or bound filters for your filament, staple, meltblown, spunbond, recycling or other melt extrusion process – filtertechnik.Europe can provide cost effective filters for your application.

In the synthetic fiber and nonwovens industries, filtertechnik.Europe supplies the following filter types:

**Spin Pack filters for
the final
filtration
before
extrusion**



**Maxipore/
Maxipass Plates**



**Candle Filters
for polymer
process filtration**



Gaskets for sealing



filtertechnik.Europe is also well respected in the nonwovens industry and is a major supplier to OEMs and customers alike. They have developed special skills in making sure their filters fit perfectly in the long plates and are not bent or distorted. The quality of their long plate filters has won them recognition in the industry including supplier awards from customers.



Of course, the above list is not all inclusive. Please contact Fi-Tech for any of your filtration needs.

Continued from Page 1

Lurgi Zimmer GmbH - Hall 3, Booth D36

The world leader in polymer technology, Lurgi Zimmer will present the latest developments for the production of PET, PA, PTT as well as other thermoplastic resins. Lurgi Zimmer has helped polymer customers the world over to maximize their production processes and equipment in order to remain competitive in tough market conditions. For Polymer producers, the Lurgi Zimmer stand cannot be missed.

MOVEngineering Srl - Hall 9, Booth E65

MOVEngineering will be on hand to discuss their proven Hypox® Cleaning Systems and Hypox® Polymer Filters. The Hypox® cleaning technology uses superheated steam to clean parts contaminated with polymer. The Hypox® process effectively cleans all polymers from both delicate and heavy parts without any damage to the parts, while at the same time eliminates the production of dangerous byproducts. The patented Hypox® process has also been applied to polymer filtration to allow the in situ cleaning of filter candle bundles. MOVEngineering has lead the way in moving to green cleaning and filtration solutions. Stop and see how they can help you become more eco-friendly.

Mozart AG - Hall 11, Booth F59

Solingen, Germany is noted for making the world's finest steels for knives and cutlery, and that is where you will find Mozart AG. Mozart will display their complete line of specialty cutting blades, razor blades and knives for cutting fiber, fiberglass, or for slitting films and tapes. Mozart has the cutting edge solution for you.

Nuova Protex, Srl - Hall 16, Booth D66

Innovation and reliability are key factors in the success of winders made by Nuova Protex. Their experts will be available to discuss your winding needs. Nuova Protex offers a complete line of low speed winders, up to 300 m/min, for monofilaments, multifilaments, tapes, raffia, strapping tapes and ribbon. Stop by to see why they are the most flexible winder manufacturer and the best value for your money,

Reifenhäuser GmbH

Hall 17, Booth A21

Your visit to K 2010 would be incomplete without a visit to the Reifenhäuser booth. Their booth is always the center of activity for all serious film and nonwoven manufacturers. Experts from all Reifenhäuser divisions will be on hand to present the latest developments. Be sure to plan your stop well in advance to ensure the right experts will be available.

Schill + Seilacher GmbH - Hall 8A, Booth G10

Schill + Seilacher develops and produces finishes for all types of plastics, leather, and textiles - for viscose, polyester, nylon, acrylic, polyolefin, and glass fiber. They also make finishes for natural fibers such as cotton, wool, and silk. Better chemistry and quality control make better finishes. See how S+S can help you find ways to improve your products.

Sikoplast GmbH - Hall 9, Booth A74

As one of the leading manufacturers of complete lines for recycling thermoplastics, Sikoplast will be present at K to present the latest technology from grinders to extruders to screen changers to pelletizers. Please come by the Sikoplast booth to learn more about the new compact regranulation lines just introduced this summer. This robust system couples with their UWG underwater pelletizer to provide significantly lower energy consumption than conventional systems, with great versatility.

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www.eurospares.com

Enka Relocates to New Facility in Heinsberg



In mid-July Enka Tecnica moved its Ubach-Palenberg plant to an upgraded facility in nearby Heinsberg-Dremmen. Enka had previously been located in Heinsberg for decades but had consolidated its operations in 2007 in Ubach-Palenberg with another Oerlikon owned company. Now an independent company since November 2009, Enka Tecnica has moved to its new facility with 26,000 square feet of manufacturing space and 2,400 square feet of office space. Enka Tecnica houses in Heinsberg its production equipment for Spunbond Spinnerets, Meltblown Die Tips, and Hydroentangling Jet Strips. The new site will give Enka Tecnica new possibilities for process development, from which customers will benefit. This will enable the company to further strengthen its position as the market leader in the nonwovens market.

Enka continues to operate a second manufacturing facility in Groebzig, Germany, that focuses on the production of spinnerets for filament, staple, and wet spinning as well as for special products (“Micro Products”) for healthcare and industrial applications.

Santiago Vivanco - 15 Years Service

We would like to congratulate Santiago Vivanco on 15 years of service with Fi-Tech.

Santiago was hired in 1995 to open Fi-Tech’s sales office in Mexico. In the first few years, Santiago worked alone out of his home to build Fi-Tech’s presence in the Mexican



market. Through Santiago’s perseverance, dedication, and strong customer focus Fi-Tech’s Latin American office has grown to 5 people (3 Sales Engineers) and has become a major sales contributor to Fi-Tech, Inc.

John Chandler - 15 years of service



We would like to recognize John Chandler for 15 years of service at Fi-Tech, Inc. John is our Warehouse/Shipping Manager responsible for inventory staging and import/export formalities on behalf of our European principals. John’s dedication to the job is an outstanding example of teamwork and leadership resulting in excellent customer service.

HSGM Thermcutters Now in Stock



The HSGM Thermcutter continues to be a great component of our on going in-house parts stocking program. It is known as the most dependable and durable hot knife unit used in the Synthetic and Nonwovens industries today.

The HSGM Thermcutter is a hand-operated unit designed to cut yarn or fabric from tubes or wraps from production equipment. Easily activated by a trigger mechanism, the transformer has the capability to heat the blade to approximately 600 degrees Celsius in 6-8 seconds. These units are available in 110v or 220v.

We also stock a complete line of Thermcutter repair parts including replacement blades, housing covers and internal components. Complete units and components are offered at one of the lowest prices in the marketplace.

For additional specifications and pricing please contact the spare parts group at Fi-Tech.

Ambersil – Spinneret Spray – Silicone Release Agents

FORMULA 1/HT is a high temperature silicone release agent and lubricant formulated for application to spinneret head plate during the extrusion process for Synthetic Fibers. It is recommended for use during the spin pack building stage. This product is suitable for operational extrusion temperatures up to 288°C. At this temperature, the product provides resistance to gelation up to 5000 hours continuous, and will give similar resistance at 300°C for intermittent periods.

Advantages:



- High slip factor ensures faster production
- Superb release properties provide improved finish
- 360 degree spray actuator allows multi-direction application
- High heat resistance up to 300°C without crystallization

Samples and a Material Safety Data Sheet are available upon request. This product contains no chlorinated solvents, no ozone depleters and is non-flammable in use.

Ambersil Anti-Stick Spray F/G – General Silicone Lubricant



SILICONE ANTI-STICK F/G is a high purity, highly concentrated silicone lubricant product based on silicones approved by the FDA and considered safe for applications where incidental food contact may occur. The lubricant is odorless, tasteless, colorless and chemically inert. This product works great for lubricating high speed winder cams, traversing guides and other applications.

Samples and Material Safety Data Sheet available upon request. Contact Fi-Tech for information on pricing and availability.

New, Low Cost Reicofil Technology for Developing Countries

REICOFIL® EM is a highly standardized REICOFIL® 4 line specially designed as a low investment spunbond technology for emerging markets. The idea behind REICOFIL® EM is to lower the barrier to entry to allow developing countries to enter the hygienic spunbond arena with the confidence and reliability of proven REICOFIL® technology. The lower investment cost is achieved by limiting the options available and by reducing the building requirements. The standardized line is available in only one working width of 1.8 m with a capacity of 2,500 mt per for a single beam and approximately 5,000 mt per year for SS and SMS lines. REICOFIL® EM is limited to running polypropylene for typical hygienic fabric in weights of 10 to 20 gsm. It will not run Bico, Metallocene PP, fine fiber filaments less than 1.5 dpf, or PET.

The reduced building requirements make it easier for customers to install the REICOFIL® EM line in an existing building. The line is delivered turnkey with installation included. As with all REICOFIL® lines, the REICOFIL® EM line comes with performance guarantees on product quality as well as acceptance dates. The line will support existing REICOFIL® customers wishing to enter new markets.





501 RESEARCH ROAD
RICHMOND, VIRGINIA 23236-3090 USA
PHONE 804-794-9615 FAX 804-794-9514

LATIN AMERICA OFFICE
AVE. POTOSÍ 370, LOMAS DE SAN LUIS
SAN LUIS POTOSÍ, S.L.P., 78210 MEXICO
PHONE: (52)(444)813-0865, FAX (52)(444)813-2562
www.fi-tech.com

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RISE

**Research Innovation and Science
for Engineered Fabrics
September 20-23, 2010
Baltimore, MD
www.inda.org**

INSIGHT 2010

**October 17-21, 2010
Charlotte, NC
www.marketingtechnologyservice.com**

K 2010

**October 27-November 3, 2010
Düsseldorf, Germany
www.k-online.de**

Filtration

**International Conference and Expo
November 30 – December 2, 2010
Philadelphia, PA
www.inda.org**

Vision 2011

**Consumer Products Conference
January 10-12, 2010
San Diego, CA
www.inda.org**



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Inside....

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 and Synthetic fiber machinery and components.

Fi-Tech, Inc. Editorial Board

Jeffrey G. Bassett, Todd L. Bassett, Christopher G. Layton, Harold C. Hill, Jon A. Schmidt, D. Keith Wise, W. Randy Wise, Vicky Gant Wilson, Don B. Gillespie.

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