

Fall 2015

In-Line with **fi-tech**

A Publication for Synthetic Fibers, Nonwovens and Textile Producers

Fi-Tech, Inc. 501 Research Road, Richmond, Virginia 23236-3090 • 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*. It has been quite a busy summer season for the Fi-Tech team. Not only have we been carrying out all our normal duties, but we have also been working on a number of special projects. The first is our new Fi-Tech website which is now active. This project took a lot of time and effort on behalf of our team from the development of the concepts to the population of the content. We will now have great flexibility with content updates as our new system allows for us to manage it directly. Due to the breadth of our principal base in fibers/polymers, nonwovens, and textiles, we are now better positioned to keep you informed via our website. We hope you find the layout useful and the content informative. We continue to add and to optimize the content. Visit us at www.fi-tech.com.

In addition to our website, Fi-Tech has also embarked on a long range plan to move into a purpose built office/warehouse not too far from our current location. Over the last 1-2 years, we have been evaluating our growing needs and planning for our future. After careful consideration, we are moving forward with our project to build a new 17,000 square foot facility which will be half office

space and half warehouse. The office space layout will bring our team closer together allowing for improved work flows and interactions. We will have more meeting space and common space giving our team numerous options when conducting meetings, working on special projects or simply utilizing alternative work space for a change of view. Our warehouse space will grow significantly allowing us far more flexibility in our offerings for both our principals and customers. With 18' of free space floor to ceiling, our warehouse team will have a much improved work space. If all goes well, we plan to move mid to late summer 2016.

During the last months, we have had two significant service anniversaries among the Fi-Tech Team. First, Santiago Vivanco – General Manager of our Mexican office, celebrated his 20th anniversary on February 13. In addition, John Chandler, our Richmond Warehouse Manager, also celebrated his 20th anniversary on July 10. We appreciate the years of dedicated service by both Santiago and John. Thank you to you both.

Lastly, in this issue of *In-Line*, we have numerous updates for you. In particular, we are very sad regarding the passing of Mr. Josep Galan of Galan Textile Machinery after a lengthy battle with cancer. We have also prepared updates on the upcoming, ever important, ITMA 2015 show in Milan. The collective fiber and textile industry will converge on Milan in November for this major event.



Galan Celebrates 75 Years In Business

Since 1940, Galan has been a world leader in textile machinery that is devoted to the design and development of spinning, twisting and winding machinery solutions for the production of yarns used in all types of manufacturing.



This year, however, we must honor the passing of Mr. Josep Galan. During the years, Mr. Galan provided many technological innovations as well as receiving patents. Josep re-organized the company leading them to ISO9001:2008 Certification.

A main goal for Josep was to satisfy customer demands. Honesty and integrity were two of his many qualities that helped to build business relationships throughout the industry. His professionalism, attention to detail and great personality lead him to become a friend to the customers and agents worldwide. A generous man in all aspects of life, customers and agents alike, will fondly remember him not only through the business, but for the friendship he provided.

All machines that are supplied in 2015, will arrive with a sticker to honor his dedication and commitment. Most of all, we say “thank you” to Josep for making Galan into what it is today.



Saurer Heberlein Air Texturing for Glass Filament Yarns

Saurer Heberlein recently introduced the newest addition to the TexJet-ATY line. The latest innovation in this offering is the D70 Jet for Glass Filament Yarns and are designed to handle a range between 1360 and 25,000 dtex. The TexJet-ATY produces superior yarn at high processing speeds.

ITMA 2015 Returns to Milan

The International Textile Machinery Exhibition will take place from November 12-19, 2015 at the Fiera Milano Rho in Milan, Italy. ITMA is recognized as the premiere exposition of the textile and garment machinery industry and has been held every four years since 1951. This year’s theme is “Master the Art of Sustainable Innovation”, and it promises to be an excellent show.

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:

Autefa GmbH: Hall 3, Booth A 102

Bale Presses, Bale Wrapping and Strapping, Tow Plaiters, Automated Warehouse.

Enka Tecnica GmbH: Hall 3, Booth G 102

World leader in the precision manufacturing of spinnerets for the synthetic fiber and nonwoven fabric industries as well as precision microcomponents for other markets. Enka’s

Saurer Heberlein® TexJet-ATY product range represents efficient, high quality air texturing. The practical benefits are higher speed, longer periods in between cleaning cycles, improved yarn quality and a process window from very fine to bulky yarns.

There are three advantages of the TexJet-ATY. The new TexJet provides the exact same look that the customer requires while allowing 10-25% greater efficiency in speed. The second advantage to the TexJet is the cleaning cycle of the unit itself. It is possible to run 10 times longer before the next cleaning cycle is required. Lastly, the Jet is now only a two position unit. It is either open or closed. No adjustment equals more stability.



Please see the following link for the latest Fact Sheet: http://heberlein.saurer.com/fileadmin/Heberlein/Dokumente_SAURER/Heberlein-FS-TexJet-ATY-EN-150424-scr.pdf

Fibers and Polymers

product line includes spinnerets for aramid, acetate, polyester, polypropylene, and nylon fibers as well as spunbond and meltblown. Enka also provides jet strips for hydro-entangled nonwovens.

Galan Textile Machinery SL: Hall 4, Booth H 114

Galan will be exhibiting their world renowned twisting and winding machines. Please stop by and see an array of Mini-Twisters and Winders.

Hastem Transportbänder GmbH: Hall 3, Booth 106

Flat and spiked lattices and conveyor belts. 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.

Mahlo GmbH: Hall 10, Booth C101

Mahlo® is the world's leading provider of control and automation systems for the textile finisher. Online monitoring systems for basis weight, coat weight, thickness and moisture.

MOVEngineering Srl: Hall 2, Booth H110

Polymer Filters and Specialty Pack Cleaning Systems.

Mozart AG: Hall 2, Booth G 104

Blades for short cut staple fibers and film slitting. Mozart also supplies a wide array of technical blades, coated blades, hook blades, and blades with handles.

Schill+Seilacher: Hall 8, Booth 106

Spin Finishes, Surfactants and Specialty Chemicals.

Sauer Heberlein Fiber Technology: Hall 2, Booth B 104

Heberlein will be showcasing the very successful TexJet for ATY. Also on display will be air jets and interlacing jets, splicers and air aspirators.

Sauer Temco Components: Hall 2, Booth B104

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

Sauer Fibervision: Hall 2, Booth B104

Specializes in dynamic measurement of textile yarns, with market leading products in On-Line Monitoring, Sensors as well as Instruments for both At Line and Laboratory testing.

ITMA 2015 Continued on Page 5

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

Fibrevision - 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, Inc. - USA

Induction Heated Jacket Rolls®, Hybrid 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

Enka Tecnica Moves to New Site



During May and June this year, Enka Tecnica moved from its long-term production site in Gröbzig to a new, purpose built production facility in Kabelsketal, Germany. The new production site is near the Leipzig Airport and less than 25 km from the current site. The new site was chosen for its proximity to Enka's current employee base and its easy access to the A14 Autobahn and the Leipzig Airport.

The new building has a total of 45,000 square feet of space with 10,000 square feet for office and meeting space and 35,000 square feet for spinneret manufacturing on one floor. The new production hall is expected to improve production flow and productivity and reduce the handling of spinnerets between manufacturing steps. The official opening ceremony of the facility will take place on September 11, 2015.

Reifenhauser Group Purchases Enka Tecnica

On April 16, Fi-Tech, Inc. and Uwe Gaedike, current Managing Director of Enka Tecnica, announced the sale of Enka Tecnica GmbH to the Reifenhauser Group. Fi-Tech will continue to serve as Enka Tecnica's agent for the North American Market. Uwe Gaedike will continue on as Managing Director of Enka Tecnica.

Enka Tecnica is the world leader in the precision manufacturing of spinnerets for the Synthetic Fiber and Nonwovens Industries. Enka Tecnica operates from two manufacturing sites in Kabelsketal and Heinsberg, Germany. The new production site in Kabelsketal, Germany came into full production in June.

The Reifenhauser Group, headquartered in Troisdorf, Germany, is a leading manufacturer

Fiber Finishes for Nonwovens

Schill+Seilacher offers a wide range of chemical processing agents and refinement chemicals for the Synthetic Fiber Industry. These products are for the production and processing of filament, fiber and nonwovens made of any common polymer including biopolymers.

The Nonwovens Industry has gained high market share in the Synthetic Fiber Industry. Schill+Seilacher offers a variety of products for the Nonwovens Industry for different end applications and is the leading supplier of spin finishes for hygiene end uses. This includes applications that require permanent hydrophilicity, hydrophobicity, soft touch and antistatic protection for fibers as well as for spunlaid nonwovens made of polyolefin, polyester, PLA and Bico polymers. End uses are hygiene articles such as baby diapers, femcare products, adult incontinence articles, medical products and wipes. Schill+Seilacher also offers a complete range of spin finishes for technical applications such as for filters as well as for products for the automotive, geotextile and building industries.

The latest developments are spin finishes for the manufacture of fiber for acquisition-distribution-layer (ADL) nonwovens and for hydrophobic fibers. SILASTOL® DL 2 M is a spin finish for polyester fiber used in ADL nonwovens in combination with low melt fiber or with latex bonding. SILASTOL® DL 2 M is hydrophilic, thermally stable and allows a high wicking of fluid in the nonwoven.

A new member of the SILASTOL® PHP family has been especially designed for Bico fiber for through-air bonding. It is permanent hydrophilic, even after thermal bonding, and is suitable for ADL nonwovens as well as for top sheet for hygiene articles.

Silastol® HB is a hydrophobic spin finish for the manufacture of staple fiber for thermal-bonded nonwoven used for backsheet with a soft touch.

of components, machinery and production lines for the plastic extrusion of films, nonwovens, monofilaments and strapping tapes. Fi-Tech is Reifenhauser's agent in North America for its Reicofil® subsidiary.

Hygienix 2015 – The Premier Event for Absorbent Hygiene & Personal Care Markets

The INSIGHT and Vision Conferences have merged to become Hygienix, the international conference for the absorbent hygiene and personal care markets. Hygienix takes place October 26-29, at the Renaissance Vinoy Resort in St. Petersburg, FL. It will feature some of the world's most notable thought leaders from companies that are revolutionizing the industry. Hygienix provides relevant technical and market content and the opportunity to network with the complete supply chain for these vertical markets. We look forward to seeing you there in October!



**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.**

Trützschler Man Made Fibers: Hall 2, Booth C113

Complete Synthetic Fiber Lines, Crimpers, Draw Stands, Dryers.

Zentes Unitex GmbH: Hall 4, Booth E107

Spinneret Inspection Systems, Specialty Chemicals and Components for the textile industry.

Need Foreign Parts?

**We can assist you with part
identification, ordering, importing,
customs clearance, and delivery.**

Call Keith Wise toll free at

888-822-EURO (3876)

Fax 804-794-9514

e-mail: sales@euro-spares.com

www.eurospares.com

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

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 Apron, 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

TEMCO - Germany

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

UNGRICHT Roller+Engraving Technology® - Germany

Heated & Cooled Rolls, Engraved Rolls, Ultrasonic Rolls, Smooth Rolls

WISTA GmbH - Germany

Punch Perforating Machines, Commission Perforating Services

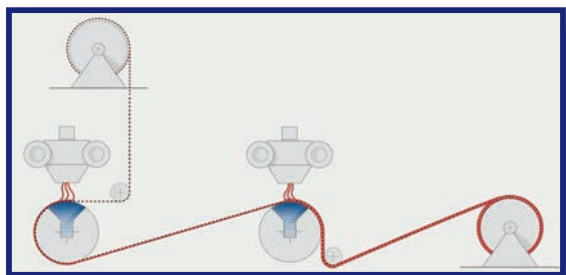
Zentes Unitex GmbH - Germany

Promik Spinneret Inspection Devices, Pocket Microscopes

Reifenhauser Reicofil Development on Fiber Reinforced Plastics (FRPs)

Reifenhauser Reicofil has developed the new Reicotec® process using their proven market leading spun melt process. Reicotec is an in-line process for producing semi-finished fiber reinforced plastics or FRPs. Typically, FRPs are manufactured as sheets and used as reinforcing structures in the manufacture of automobile components, protective helmets and boots as well as medical devices. FRPs are normally supplied as a “matrix” which today is typically in a sheet form produced from layers of thermoplastic films and the associated reinforcing fibers such as glass, aramid or carbon fibers. There are inherent challenges with this process due to air entrapment between the layers and low production speeds. Impregnation of the different layers is challenging due to the range of melt flows for the materials and the sheets are more difficult to handle and transport than typical roll goods.

Thus, the Reicotec process introduces a nonwoven as the thermoplastic matrix instead of the traditional films. This offers several immediate advantages in processing and in the final product’s properties.



The Reicotec process allows for the production of matrix in line in a single step process using a Reicofil machine. The flexible unconsolidated layers of nonwoven and reinforcing fibers are wound onto rolls and fed to the consolidation of forming process. The nonwoven provides a more homogenous matrix which leads to less product defects due to the superior permeability over the traditional films. The roll good matrix also has greater drape characteristics over the consolidated film matrix systems. Cost savings are also considerable due to

the high productivity of the Reicofil® process.

To date, Reifenhauser Reicofil has worked on several prototype projects using the Reicotec process. In cooperation with the German plastics institute, IKV Aachen, a bicycle seat has been produced in a double diaphragm process using a carbon fiber/polypropylene FRP. A toe cap for safety boots was constructed using a carbon fiber/polyamide



nonwoven FRP in a hot pressing process developed by Karodur GmbH. Work continues with HBW Gubesch

on various automotive based applications using a hot melt process and combinations of carbon fiber and glass reinforcements with polypropylene and polyamide nonwovens.

For more information, contact Fi-Tech, Inc.

Textiles/Technical Textiles

ITMA 2015 Returns to Milan

Brückner Textile Technologies: Hall 10, Booth A101

Fi-Tech and Bruckner Textile Technologies are pleased to announce their joint participation in the 2015 ITMA Fair Nov 12th through 19th in Milan, Italy. The 5,000 sq ft exhibit, will allow Brückner to present their latest innovations as related to world class energy efficient ovens, thermosol dyeing, sanforizing and coating. The center piece of the exhibit however will be The ECOLINE , the new generation tenter frame at full production width of 2.4 m. Brückner will also display a full scale production coater to demonstrate innovative coating technologies developed specifically for low add on applications. Also on hand will be a wide range of Brückner’s textile engineers and technologists to discuss any issues pertaining to the finishing of textile substrates.

Corino Macchine Spa: Hall 6, Booth C101

Fi-Tech representatives will participate with Corino in the ITMA fair. This will be the first joint ITMA exhibit for both companies since Fi-Tech undertook Corino's representation in 2014. Corino will exhibit their state-of-the-art tubular slitter, Super Slit, and other equipment that harnesses their years of experience in the handling of textile substrates in traditional textile and nonwoven applications. Of particular interest to many will be the innovative handling and guiding equipment designed specifically to support the entry and exit of fabrics during digital printing.

Mario Crosta Srl: Hall 10, Booth G105

Mario Crosta will be presenting their wide range of surface finishing equipment at the ITMA. Mario Crosta is celebrating its 90th Anniversary in 2015 as the global leader in manufacturing the highest quality, most energy efficient raising, sueding, brushing and shearing technologies available in the market. In recent years, Crosta has developed technology to compete in the textile coating and lamination sectors, specializing in the home furnishings, apparel, leather and automotive markets.

Brazzoli S.p.A.: Hall 14, Booth D101

With over 50 years of experience in the textile industry, Brazzoli, a division of the Arioli Corporation, is globally recognized as the leading manufacturer of high temperature, jet dyeing equipment for the processing of highly sensitive, synthetic fabrics.

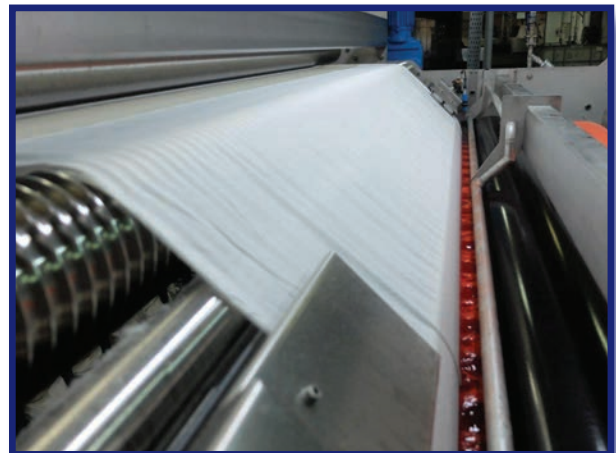
During ITMA 2015 in Milan, Brazzoli will demonstrate how their focus on technological development has produced a machine base that

is one of the world's leaders in reduced energy and water consumption, but with the shortest cycle times. The Ecologic and Innoecology machines utilize the patented transverse flow system, along with variable nozzles and a proprietary plaiting system to ensure optimal loading and minimal liquor ratios.

Erbatech GmbH: Hall 10, Booth H105

Fi-Tech representatives will be joining Erbatech executives and engineers at ITMA 2015. Erbatech will be presenting Scout Vacuum, their range of innovative engineering designs for vacuum dehydration systems that result in significant energy savings, Scout Applicator and Scout Color which are state of the art pad configurations for both chemical impregnation and coloration. Erbatech's textile engineers will also be on hand to discuss scouring/washing ranges for open width (Scout) and tubular fabrics (Galaxy).

For additional information, please contact Ian Mills, at imills@fi-tech.com or (434) 825 7843.



Erbatech Scout Vacuum Dehydration System

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

Corino S.p.A. - Italy

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

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

Erbatech, GmbH - Germany

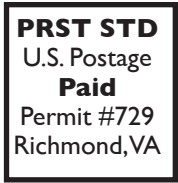
Open Width Bleaching and Washing Ranges, Tubular Bleaching and Washing Ranges, Padders/Foulards, Vacuum Extraction, Cold Pad Batch

KKA, GmbH - Germany

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



501 Research Road, Richmond, VA 23236-3090



Change service requested

POSTMASTER: Please send address changes to:
In-Line with Fi-Tech, Inc.
501 Research Road, Richmond, VA 23236-3090

EVENTS CALENDAR

OUTLOOK 2015

September 23-25, 2015
Athens, Greece
www.edana.org

HYGIENIX 2015

October 27-29, 2015
St. Petersburg, FL
www.inda.org

ITMA 2015

November 12-19, 2015
Milan, Italy
www.itma.com

RISE 2016

January 25-18, 2016
New Orleans, LA
www.inda.org

IDEA 2016

May 2-5, 2016
Boston, MA
www.inda.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.

Fi-Tech, Inc. Editorial Board

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.
Copyright 2015 All of this information is copyrighted. Readers may use any of the articles presented if original source is cited. Prior issues of In-Line with Fi-Tech may be found at www.fi-tech.com

Contact Information:

www.fi-tech.com • www.euro-spares.com
Sales@fi-tech.com • sales@euro-spares.com
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