

## Collaboration between ITEMA Weaving and Lamiflex SpA. from the Seriana Valley, formalized by a strategic agreement

ITEMA Weaving and LAMIFLEX spa, global market leaders in their respective fields of textile solutions and machinery engineering, have entered into a strategic agreement thus further formalizing and strengthening the collaboration between the two entities.

ITEMA Weaving is a business unit of the International Technology & Machinery Group (ITEMA) dedicated to the production of weaving machines and related accessories. ITEMA Weaving is marketing and maintaining the world-wide renowned brands Sulzer Textil, Somet & Vamatex. Production sites are in Italy, Switzerland and China, with a global workforce of more than 1400 employees, and a turnover of 280 million € in 2008. LAMIFLEX spa, leader for more than thirty years in the sector of technical composite materials, is active in the production of laminates destined for all the main industrial environments; it counts about 80 employees and has a turnover of 20 million €.

The agreement, signed for ITEMA Weaving by Engineer Miro Radici and for LAMIFLEX spa by its president, Ms. Luigina Bernini, consolidates the already existing partnership with the prospect of the implementation of new products and processes and the mutual protection of intellectual property rights by means of common protection strategies.

Thus, the regulations concerning the supply of LAMIFLEX components for ITEMA machines are defined and all the inconclusive issues between the two groups regarding the exploitation of intellectual property and industrial rights are resolved.

This, along with a different contribution level to the partnership from LAMIFLEX has led to the acknowledgement by LAMIFLEX of a compensation for ITEMA Weaving. In general, the agreement regulates the distribution of spare parts to the international market, which the two groups intend to exploit in a mutual way taking advantage of the existing commercial channels of the corresponding sales networks.

The understanding rationalizes, moreover, the use of the corresponding trademarks and the combined protection of

## Partners thanks to Excelle® line's equipments

NonWoven Solutions (NWS) was formed in May 2007 by a group of investor partners who saw a distinct void in the nonwovens supply chain that could only be filled with a new production line, and thus a new company offering very clean, very uniform needlepunched nonwovens centrally located in the United States. Specified with the latest technology available, this line has been built inside the new 40,000 square foot building in Lakemoor, Illinois. NWS will operate the line according to GMP medical grade standards.

The Management team partnered with NSC Nonwoven to provide Excelle® machines with the latest process technology which includes the ProDyn® system which automatically adjusts the fiber weight according to the programmed width of the finished fabric. This automatic regulation is achieved by internal speed variations of the card/crosslapper combination and keeps the web structure and the fiber tensions absolutely constant in the card web. The corrections applied in the MD and CD compensate for the variable amounts of distortion caused by all bonding processes, both currently known and future.

ProDyn® offers a double advantage: CV%≤1 and by working in double closed loop control, the effectiveness of the system is maintained whatever the nature of the fibers of the production of the line.

### Products

NWS LLC has committed to run only white synthetic fibers from in denier ranges from 1d – 15d with blends of 3 intimate components. In addition to needlepunched nonwoven processing,

certain patents, with eventual cross licensing.

The mutual coordination of these aspects allows ITEMA Weaving and LAMIFLEX spa to optimize the actual collaboration relationship and in general the market approach, addressing individual customers in a clear and more precise way thus optimizing the response times and procedures.

"The intellectual property generated by a company with significant investments must be protected and defended," claims Davide Maccabruni, manager of ITEMA Weaving and coordinator of the agreement. "The patents are only one of the aspects, and formal and binding agreements with the partners involved are equally important in order to defend in a



NWS Production Line.

the plant has been further equipped with flame singeing, calendaring, precision slitting in both roll-to-roll and single-knife style. Off-line needling for multi-layer composites and high density felts from layers can also be produced.

NWS maintains inventory of most basic fiber styles and can make custom orders and engineered fabrics within a very short notice. Products can be made from as low a weight as 2.2 oz/sy up to 48 oz/sy in widths from 1" to 172" (the maximum production width of the line).

Precision blends of up to three components can be made at rates up to 2,500 lbs per hour. Precision blends are maintained through the use of two fine openers and a full sized mixing bin system. NWS can provide a great deal of technical expertise and product development in support of basic fabric production.

"We often work side by side with customers to develop a fabric based on a price point or performance criteria. All testing is performed in accordance with ASTM and IST standards along with critical requirements for skin contact applications as well as long term packaging stability". ♦

more efficient way these assets of the company. Moreover, in times of crisis, such as the current one – it is indispensable to renew and strengthen the relations between partners in a selective way. In this sense, the partnership with LAMIFLEX spa has a double value".

"Consolidating and intensifying a collaboration with a partner such as ITEMA Weaving is an opportunity to be taken" confirms Francesco Corsi, manager and coordinator of the agreement from LAMIFLEX spa. "Being present on the market in a coordinated way enhances the capability and opportunities of both companies to face challenges, while developing new solutions at the same time".

### Texparts® Maier Flyer - One key technology component for roving frames

Oerlikon Textile Components is offering its customers the Texparts® Maier Flyer, one of the key technology components for roving frames. The product line Texparts offers now the whole package of quality determinant components for your roving frame. It includes the established Weighting Arms, Top Apron Cradles, Top Rollers, Bottom Roller Units, Condensers, Nose Bars and from now on the Texparts® Maier Flyer.

The whole is more than the sum of its parts: This statement is more appropriate for the roving process than for most of the other process steps along the textile chain because the quality level of the ring yarn is mostly decisive on the quality of the roving. But a premium roving package will only be reached with a bobbin with consistent build-up, which implies an uniform material density from the center outwards. Additionally, a premium roving package features a constant roving count and tension as well as less roving hairiness. If these conditions are fulfilled, high quality yarn and trouble free running in the ring spinning process are guaranteed.

The individual parts of the sum: The new Texparts® Maier Flyer is synonymous for the consolidated knowledge of Maier combined with our expertise about the interaction of all key technology components in the roving frame.

**Experience:** The European engineered "Maier Flügel" stands for field tested products - nearly two millions flyers are in use - with more than 50 years of know-how. The ongoing product development ensures that the flyers always accord with the latest requirements of our customers.

**Perfect smooth running at highest speed:** The specific construction combined with a balanced presser is the guarantee for smooth running at uniform roving tension. If these factors are assured from start to finish, a precise and robust package built-up will be the result. An additional warrant for a perfect running behavior is the quality control of each part.

**Safe Presser Fixing System:** The special presser fixing system of the Texparts® Maier Flyer enables an accurate and constant work of the presser even after repeated fixing. The fixing system prevents from extra vibrations caused by not tightened screw connections between the flyer and the presser.

**Soft roving guidance:** The easy insertion of the roving into the hollow arm is

one of the handling features of the Texparts® Maier Flyer. The special polishing technique leads to a smoother interior surface of the hollow arm for uninfluential guidance of the roving. Additionally, the polished interior prevents from electrostatic charge. The negligible wear in the hollow arm ensures a long product life.

Respect for resources: As a result of lower weight of the all-aluminum flyer compared to a traditional steel flyer and the prevention of air turbulence by an aerodynamic design, energy savings will be achieved.

Full product portfolio: Each customer has different requirements on compatibility with machines. For example an automatic or manual roving frame, with several machine gauges and bobbin sizes. The Texparts® Maier Flyer portfolio comprehends a specific type for virtually all on the market available roving frames:

Flyer Accessories: The portfolio of Texparts® Maier Flyer covers not only flyers for different requirements but as well premium accessories as:

- ❖ False Twisters.
- ❖ Presser Packages including Pressers, Screw Pins and Bushes.
- ❖ Nipples Service To ensure the longest product life possible, we offer maintenance recommendations for all parts of your Texparts® Maier Flyer.

### The first Oerlikon Barmag eFK texturing machine goes to China

The first eFK-type texturing machines will be installed in China. A contract for ten machines - which premiered at the ITMA Asia 2008 - was recently signed with Jinxing (Fujian) Chemical Fibre and Textile Industry Co., Ltd., a subsidiary of Fujian Jinxing Group. The decisive factor for the contract was the energy-efficient godet technology, which Oerlikon Barmag has been successfully using in its MPS- and COCOON-type texturing machines for many years now.

Hong Tianpai, CEO of Fujian Jinxing Group, examined the live production performance of the eFK at last year's ITMA Asia. The presented processes, with yarn specialties such as 50d/144f and 20d/96f

at a speed of 700 m/min, obviously were extremely convincing. "The machine is the perfect addition to our product portfolio", reasons Fujian Jinxing's CEO, Hong Tianpai, commenting on the company's purchasing decision. And the long-term Oerlikon Barmag customer has also invested in texturing technology from Remscheid in the past. Its top-quality yarns, used primarily in the high-end textiles segment, are textured using FK6- and MPS-type machines.

Jinxing (Fujian) Chemical Fibre and Textile Industry Co., Ltd. specializes primarily in texturing polyester microfibers. With an annual capacity of 180,000 tons of filament yarn and 60,000 tons of polyester staple fiber yarns as well as 65,000 tons of various yarn specialties, Fujian Jinxing Group is one of the largest manmade fiber yarn manufacturers in the Fujian Province.

With the energy-saving godet technology of the MPS and the COCOON and the ergonomic handling of the FK6-1000, the eFK texturing machine unites proven technologies from various Oerlikon Barmag texturing machines. Efficient, energy-conscious, ergonomic and economical, the eFK establishes the new generation of Oerlikon Barmag texturing machines. ♦

### LIVE & WEBCAST AUCTION SALE

of textile spinning, cabling and twisting machines of the company



locations: 13181 Verrone (Biella), 36075 Alte Ceccato (Vicenza) and 36078 Valdagno (Vicenza) - ITALY

on **WEDNESDAY 20 MAY** from 1.30 pm

**28 RING SPINNING MACHINES** "Zinser" 318, 319LSL, 319/2L, 319L, RM450, 420SL, "Gaudino" FPT 260/LA and "Cognetex" FTC, 500-720 spindles, ring diam. 50-55 mm;

**17 RING TWISTING MACHINES** "Savio" TDS 228 RL, Geminis 204B, Geminis 243C, Geminis 240C, Geminis 242C and "Murata" 368, number of spindles 140-240; **3 twisting machines** "Savio" Geminis 242C; **3 twisting heads** "Savio" Geminis 204B;

**6 WINDING MACHINES** "Savio" Orion E and R.S. Espero, 56 resp. 60 winding heads; **5 passages** "Sant'Andrea" SH 22 and "Cogne" SC 400 22 V, SC 400 11 VA; **steam heated cylinder** "Obem"; **uster classimat** "Motocono" R8; **uster tester** "Zellweger"; **breaker** "Seydel" 870; **3 integrators (rebreakers)** "Cogne" SMC 420 and SMC 400; **finisher** "Sant' Andrea" RH2;

**YARN DYEING LINE** "Obem" incl. 9 dyeing sections with each 10 compartments, ovens, centrifuge and 9 ss mixing and colour vessels; **2 mobile positioners** "Gualcheriani" with hydr. lifter; various metallic caissons, heavy racks, boxes; etc.

**VIEWING: 19 May** from 10 am to 6 pm and **20 May** from 9 am to 12 noon, on site Verrone, Alte Ceccato and Valdagno (Italy)

Photos and Catalogue on our website

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### Texkimp: UK Creels firm expands

UK Shadow Chancellor, George Osborne MP opened Swan House, the new 18,500 square feet purpose-built factory and office premises of Cygnet Group, parent of creels manufacturer, Texkimp Ltd. in February 2009. The opening marks a new era for a rapidly expanding family firm whose origins date back to the 1940s when Bill Kimpton formed WHK products to manufacture creels and beaming machines for the Lancashire cotton industry. Afflicted by union militancy in the late 1960s, WHK products was sold and Mr Kimpton's daughter and son-in-law, Janet and Colin Smith launched Texkimp, focusing on the growing market for technical yarns.

Their son Matthew Kimpton-Smith now heads up the business, which has doubled in size over the last four years, employing almost 50 people and turning over £9m. As well as textiles, the firm is moving into new areas of engineering, including threadless pipe joining technology for marine oil and gas applications. The explosion in development of technical fibres, some of high value, has led to a requirement for unwinding systems that can cope with the differing characteristics of these materials, delivering yarn/tape with even tension, explains sales manager, David Barker.

"Carbon fibre yarns are becoming more sophisticated so it is more important than ever how you take the yarn from the package." Driven unwinding systems are seeing increasing demand for a number of reasons. With package sizes increasing and due to the delicate nature of some yarns/tapes, there is also a tendency towards unrolling rather than overbend delivery systems.

"In the case of polypropylene tape, unrolling from 10-12kg packages at speeds of 300m/minute, you are dealing with a stretchy, sensitive material and too much tension can lead to breakage. Differential tensions in the warp threads can also affect the pattern. Motors on the bobbins allow yarns to be fed at constant tension."

On a larger scale, creels supporting bobbins weighing 300kg or more, such as Texkimp's VHD-F creel, are increasingly sought. The company will shortly install a 432-bobbin version of this creel in the US for a company where it will be used to unwind PAN (poly acryl nitrile) in preparation for the oxidation process which converts it into carbon fibre. As yarn packages grow larger, they are more susceptible to becoming unbalanced due to moisture settling at the base of the bobbin during tran-



George Osborne MP (Right) presenting commemorative plaque to Matthew Kimpton-Smith MD of Texkimp Ltd.

sit. "This can lead to an overfeed situation – a driven unit compensates for this," explains Mr. Barker. As well as the US, Texkimp also has customers for the VHD-F creel in China, Turkey and Taiwan. Overall, the company exports 99% of its products to countries including China, Vietnam, India, Korea, Russia, Poland, Iraq and Saudi Arabia.

Texkimp's strategy is to look at the areas where it either has a superior product or offers better value for money, explains Mr Kimpton-Smith. "At the moment tyre cord is down but prospects for car tyres in the long term are good. We need to make sure we are calling on potential customers – these are moving to the Far East and low cost economies such as Vietnam and India."

Carbon fibre applications will remain important to the business, he adds. "There are only 14-15 players globally - about four making high grade aviation textiles, the remainder are mid range industrial and lower grade. "Aksa, the acrylic producer in Turkey, is one manufacturer working on moving from acrylic fibre production into industrial carbon fibre, which is a big step. The growth of carbon fibre will be exponential over the next 10 years."

Forming partnerships will also be key to future success believes Mr Kimpton-Smith. "Last July we formed a partnership with Karl Mayer to manufacture tape creels. We can bring efficiency to the manufacturing. Karl Mayer was manufacturing 0-4 a year, each one slightly different. These small quantities fit perfectly with the size and structure of our business."

Large yarn packages of several hundred kilos are also creating new opportunities. "Packages will go very big. Customers are coming to us asking about handling and we will put in handling devices."

Spotting such changes in customer requirements and trying to meet them is part of the business ethos at Texkimp. "We have a relationship agent in every territory – not a technical expert – but their job is to relate to the customer and ensure we deliver exactly what they want." And with a full order book for 2009, it is a strategy that appears to be working well for Texkimp.

### Technological innovation: The Orizio Strength

#### *The jersey and striper range; for the big volume production*

Research, development and technological innovation are the key to the success of the Circular knitting machines producers, Orizio srl, located in Brescia. The Orizio belief is that by paying particular attention to the needs of the market and focussing on simplicity and versatility, combined with technological innovation, is the most effective way to give customers the means to respond quickly to fast-changing fashion trends. This is why Orizio have introduced into their jersey range the JOHN-D machine with 3,2 feeds alongside the well known 3,0.



JB3E Circular Knitting machine.

The JOHN-D model is a big volume production machine that has all of the qualities and the characteristics of reliability and versatility recognized to the Orizio Jersey machines. This great innovation gives to the customer the opportunity to operate on a very productive machine thanks to the high speed and to the high number of feeds. The JOHN-D is available equipped with open width frame for the production of Lycra /elastane fabrics with viscose and acetate yarns.

The completion of the striper machines range the JB4-1E and JB3E machine models have 1,6 feeds per diametrical inch with 4 colours and 2,4 feeds per diametrical inch with 3 colours respectively. By using the JB4-1E and JB3E, Orizio guarantees the final product quality and perfection. The JB4-1E machine is best suited for big volume production and it is an evolution of the 1,4 feeds per diametrical inch machine. It maintains the same fabric characteristics giving the opportunity to knit at 4 colours per feeders with lycra. Also the JB3E at 2,4 feeds per diametrical inch is also best suited for big volume production by working 3 colour Lycra fabrics.

Both machines have the ability to knit on up to four cam tracks. ORIZIO aim to continue to be a solid and serious international company in the circular fabric knitting machine field. The most recent additions, modifications and updates to their range have given them the resources to maintain and realize this ambition.

### High-tech Steel Heddle® harness frames for high-speed weaving

Yarns of all varieties, fine and coarse, natural and synthetic, run through your frame. With blinding speed, the frame weaves your fabric, a thousand picks per minute uniting in consistent quality. The stress and vibration your frame endures is enormous. The Steel Heddle® frame offers a warranty for a long-lasting perfect weaving performance.

#### High-tech production process for the most reliable weaving performance

Steel Heddle® is the leading accessories supplier that offers long-lasting high-performance frames. Through their sophisticated and unique production process, maximum precision and most accurate dimensions of the harness frames are guaranteed. In turn, the result is a high-quality and reliable Steel Heddle® harness frame, giving 100% satisfaction, meter after meter.

#### High level performance at blinding speeds

Steel Heddle® airjet and rapier frames are well-known for their distinctive features including the patent-pending glued heddle rod and patented flexible corner connection system (R-flex) for less frame breakage, as well as the unique and patented integrated heddle damper for less heddle vibration. These features allow highest weaving speeds of on narrow widths -over 1200 rpm- as well as the best weaving performance on wide widths, even without center support, up to 400 cm !

#### Take your profit !

The weavers can achieve successful weaving by choosing the right and reliable accessories. Higher fabric quality, productivity and cost savings are possible on any airjet or rapier weaving machine with GTP – Steel Heddle® accessories.

#### GTP - the true Textile Partner

With over 110 years of expertise in developing innovative weaving accessories for technical textiles and other textile segments such as leno and narrow fabric, GTP can help you to get best performance out of your loom in a cost-efficient matter. With more than 2000 valued customers around the globe and sales & service offices in the biggest textile markets worldwide, GTP proves to be a true partner. Therefore, the specialists are always available to discuss the challenges faced by weavers worldwide. The closest GTP representative can be located at [www.globaltextilepartner.com](http://www.globaltextilepartner.com).

More information on the complete Steel Heddle® product range is available on [www.globaltextilepartner.com](http://www.globaltextilepartner.com).

### SATRA website: New online route to technical information and content

The SATRA website has been completely redesigned to provide clear and fast online routes to technical, research and market information for a wide range of product industries. The content itself is enhanced with photography, video and audio as well as interactive features.

The Media Centre takes this a step further providing not just the latest news stories but also the option to download certain content to mobile phones and players. There is also a search facility for every test laboratory in the world that is SATRA accredited. The China Office page enables reading in both Chinese and English language.

For more information: [www.satraproducts.com](http://www.satraproducts.com)



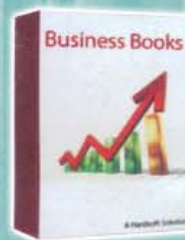
#### Textile Solution

- Yarn System
- Dyeing System
- Grey Godown
- Gate Pass System
- Store Inventory
- Stitching
- Production
- Maintenance
- Export
- General Ledger



#### Export Software System

- Transactions
- Bank Reports
- Export Reports
- Style Order Reports
- L/C Reports
- Rebate
- Sales Tax



#### Business Books

- Transactions
- General Ledger Reports
- Inventory Reports
- Customers & Receivables
- Vendors & Payable
- Sales
- Purchases
- Company & Financial
- Daily Activity



#### Property Track Ultra

- Daily Public Notices
- Daily Newspapers Ads
- Security Module Embedded

#### Property Track Unleashed

- Only for Clifton & Defence
- Call for Details



#### SMS Software For Marketing

- Send SMS Via any Sim / Network
- Maintain Groups on your own requirements
- Power pack version contain all Pakistan date city code use
- More extra unique features

#### Web Development

We Design and develop websites either static or dynamic. Our creative team will design your website as per your requirements. Also you can contact us for optimization of your website.

#### Textile Sector

- Denim Fabric Sys
- Yarn & Fabric Inv.
- Sizing
- Weaving
- Gray Quality Control System

#### Health Sector

- Patient Track
- Pathological Lab Track
- Hospital Management System

#### General Software

- Accounts (3-4-5 Level)
- Pay Roll
- HRMS (Human Res.)
- CRM (Client Rec. Manage)
- Time Management
- Sales & Purchase
- Vehicle Track (Show Room)
- School Management Sys.
- Customized Softwares

### Lenzing FR® - global success in protective hoods

The flame-resistant fiber Lenzing FR® is known all over the world as a high performance, skin-friendly protective fiber. It is used in the most critical applications as the optimum protection against various sources of heat and flame. The unique heat insulation properties combined with permanent flame-resistance is what makes Lenzing FR® the „Heat Protection Fiber“. In protective hoods Lenzing FR® offers unique advantages due to its superior heat protection coupled with skin-friendly properties.



#### Dominant market share in the USA

Lenzing FR® is used all over the world in high performance protective hoods. In the US hood market, Lenzing FR® enjoys an excellent reputation and occupies a dominant segment market share. Professional fire brigades in the largest cities in America use hoods made with Lenzing FR® in combination with other flame resistant high performance fibers. This significant success of US hood manufacturers such as Fire-Dex, Lifeliners/Stanfield's, Majestic and PGI has encouraged European and Asia/Pacific manufacturers to upgrade protection and comfort through the use of Lenzing FR® fiber in their own collections.

#### Protection coupled with optimum wear comfort

Protective hoods engineered with Lenzing FR® fiber are now firmly established in the market place. Reputable manufacturers use Lenzing FR® due to its unsurpassed comfort properties. Lenzing FR is inherently and permanently flame resistant. Protective hoods and other base layer garments made of Lenzing FR® offer unparalleled protection to the most important of all human organs – the skin. Since it is worn directly next to the body, moisture management and softness play a vital role in protective clothing. Without these comfort properties, it would not be possible to ensure peak physical performance in extreme conditions. Lenzing FR® guarantees an optimum body climate thereby reducing the possibility of heat stress and heat stroke in critical danger zones.

### The Institute of Environmental and Human Health unveils new nonwoven lab

The Institute of Environmental and Human Health (TIEHH) at Texas Tech University introduced a new, state-of-the-art fabric laboratory to help researchers continue creating products that can protect both military and civilian populations.



The 4,000-square-foot facility, named the Nonwovens and Advanced Materials Laboratory, was unveiled on April 6, 2009. The new lab's air conditioning and humidification system, contoured needlezone needlepunching technology and thermal bonding capability will allow for faster, more focused research into nonwoven technologies.

Funding for the lab's \$1.5 million cost included \$125,000 from Lubbock Economic Development Alliance and nearly \$1 million from the U.S. Department of Defense (DoD) for the machinery. Overall, nonwoven research at Texas Tech has received \$2.5 million in DoD funding.

"The opening of this unique manufacturing and research facility is another big step forward for The Institute of Environmental and Human Health and for Texas Tech," said Kent Hance, chancellor of Texas Tech University System. "I want to acknowledge the efforts of Congressman Neugebauer and the Lubbock Economic Development Alliance for their understanding of benefits of this facility and their assistance in funding it."

Texas Tech University now is the only academic facility in the U.S. to have contoured needlezone nonwoven technology, said Ron Kendall, director of TIEHH.

"We are exclusive in the way we're set up here with the unique needlepunch nonwoven technology and access to cotton," Kendall said. "This technology has been used successfully to develop products such as our nonwoven decontamination wipe, Fibertect™."

The need for decontamination wipes, such as the kind we've created here at TIEHH, were a top priority for the Department of Defense. Years ago, we began the research, developed a product and met a top national security issue. Now we're going to continue that research with this laboratory."

Seshadri Ramkumar, associate professor, lab manager and Fibertect™ creator, said the new nonwoven facility will help

TIEHH to continue top-quality research into protective fabrics and other nonwoven materials.

Fibertect™ is a platform technology, and different fibers, including natural fibers such as cotton, can be used depending on applications and requirements, Ramkumar said.

"One of the main focuses of this lab will be used to develop new products from cotton and wool, such as thermal and acoustic insulation pads, and automotive and defense textiles," Ramkumar said. "Our aim is to find value-added applications for products made of cotton grown on the High Plains. Surely, this nonwoven laboratory will help."

In December, Lawrence Livermore National Laboratory performed an evaluation of several decontamination products including Fibertect™.

The wipe tested features an activated carbon core sandwiched between an absorbent polyester layer on one side and absorbent cellulose on the other.

After testing with mustard gas and other toxic chemicals, the results showed that the Texas Tech-created dry fabric out-performed 30 different decontamination products, including materials currently used in military decontamination kits.

Research in natural fibers has been supported by the Food and Fibers Research Grant program of the Texas Department of Agriculture, Texas State Support Program of Cotton Incorporated, The Cotton Foundation, The CH Foundation of Lubbock, Plains Cotton Growers Inc. and the USDA through the International Cotton Research Center at Texas Tech.

The Institute of Environmental and Human Health develops environmental and health sciences research and education at Texas Tech and Texas Tech University Health Sciences Center.

The institute's goal is to position Texas Tech as an internationally recognized force in the integration of environmental impact assessment of toxic chemicals with human health consequences, framed in the context of science-based risk assessment to support sound environmental policy and law.

Find Texas Tech news, experts and story ideas at [www.media.ttu.edu](http://www.media.ttu.edu). ♦