

**D**ecision-makers from the Indian textile and nonwoven industry are warmly invited to register under [www.germantech-indiantextile.de](http://www.germantech-indiantextile.de) for the next VDMA Textile Machinery Conference and B2B-Forum from 15 to 16 May 2018 in Mumbai (Hotel The Leela).

More than 30 well-known VDMA textile machinery and component manufacturers will hold 36 application-oriented presentations about spinning, knitting, weaving, finishing, dyeing and embroidery. Other important cross topics, such as automation, digitalization (Industry 4.0) and smart production technologies will show to Indian textile manufacturers how to improve their competitiveness.

State-of-the-art-technology will be presented in three sessions:

- Textile machinery & components for the fiber & yarn industry (May 15, 2018)
- Textile machinery & components for the technical textiles and nonwovens industry (May 15 & 16, 2018)



- Textile machinery & components for the apparel, home textile & carpet industry. (May 15 & 16, 2018) - program: [www.germantech-indiantextile.de/program.html](http://www.germantech-indiantextile.de/program.html)

In addition, a training seminar at Veermata Jijabai Technological Institute will take place on 17 May 2018 at the premises of VJTI in Mumbai.

Some of the profiles of participating companies are :

**Andritz Küsters GmbH**, located in Krefeld, Germany, and with facilities in Spartanburg, USA, supplies technologies and services for the paper, nonwovens, and textile industries.

With a focus on machinery and processes in paper finishing and nonwovens production, Andritz Küsters offers customized technical solutions and services for a variety of application: from highly sophisticated processes to solutions for emerging markets. Production machinery is supported with

All core components are manufactured in-house in ISO 9001 certified production facilities.

In all of its four business fields, **Autefa Solutions** is known to the market for innovation and new developments. Autefa Solutions is focused on growth and the expansion of its worldwide production sites. Autefa

# VDMA Textile Machinery Conference

## (15-16 May, Mumbai)

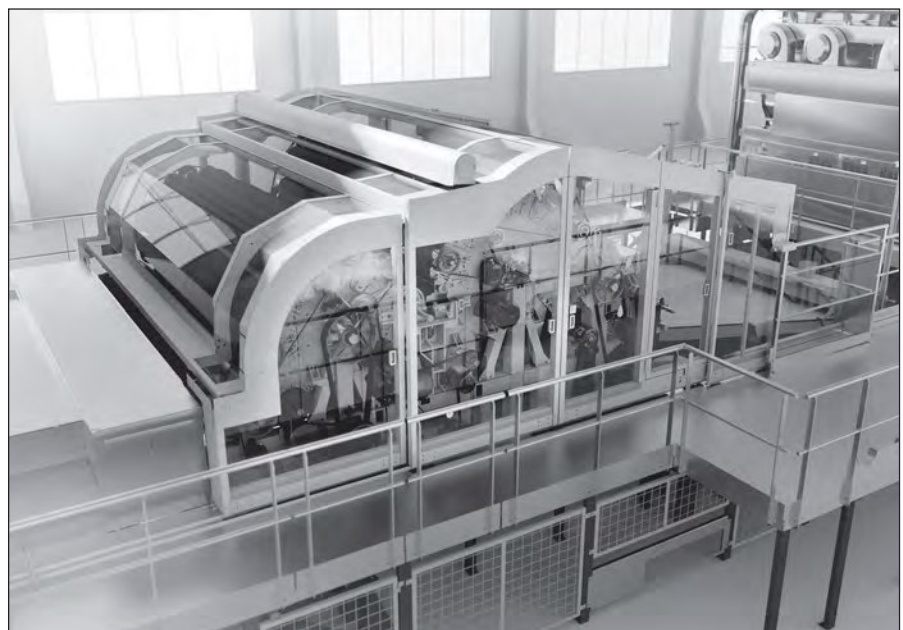
engineering services and project management skills for turnkey installations and system solutions.

For the paper industry, the product range includes presses, rolls, and calenders.

For nonwovens industry, Andritz Küsters' core competence lies in wetlaid, wetlace and spunbond technologies, including inclined wire systems, calenders, rolls, and finishing (inline/offline).

For the textile industry, the products include calenders and rolls.

Solutions represents companies with a long tradition and a history of years of successful participation in the market. Combining the experience of the companies Autefa, Fehrer, FOR, OCTIR and Strahm the company stands for high quality, durability and performance made in Europe. With two subsidiaries Autefa Solutions North America and Autefa Solutions Wuxi (China) the company is present all around the globe. Since 2011 Autefa Solutions is part of China Hi Tech Group Cooperation (CHTC).



*ANDRITZ card - Perfectly designed for drylaid processes*



*The Autefa Solutions Nonwovens Competence Center at Linz, Austria offers multiple web forming and bonding technologies in industrial scale to cover all their customer's requirements for application oriented product optimisation.*

Autefa is a full line supplier for carded-crosslapped nonwovens lines, needlepunch nonwoven lines, spunlace lines and thermobonding lines. The company combines experts of the former companies Fehrer, FOR, OCTIR, Autefa and Strahm. Autefa Solutions nonwovens lines meet customers' requirements for quality web formation, bonding, active weight regulation, and minimal maintenance requirements. The turnkey nonwoven lines include machines for opening and blending, chute feeds, nonwovens cards, crosslappers, needle looms, hydroentanglement equipment, thermobonding ovens and dryers. With Autefa Solutions complete line performance equipment the company offers a solution for every customer.

**DiloGroup** provides extensive production lines made in Germany and recent machine concepts from the DiloGroup companies DiloTemafa, DiloSpinnbau and DiloMachines. The emphasis of the latest equipment components has been laid on improving web quality and uniformity applicable to all bonding processes as well as operation efficiency of the needling line.

As the leading group in the field of staple fibre nonwoven production lines DiloGroup have lines with the latest developments of all components. The strong demand for Dilo production lines is partly due to the increased requirement for needled nonwovens with a yearly growth in consumption of about 6 - 7%.

Staple fibre production lines start with fibre preparation - opening and blending - from DiloTemafa, card feeding and cards from DiloSpinnbau and end with crosslappers and needlelooms from DiloMachines.

The quality of DiloGroup's four equipment components, opening and blending, carding, crosslapping and needling, is important to customers. A DILO line represents highest productivity with best web quality. This goes hand in hand with high efficiency as the mentioned four machine components are controlled by central drive and control stations in preparation for the modern requirements of crosslinking and smart production. Customized lines are

engineered, manufactured, delivered and put into operation by DiloGroup.

Dilo machines which aim to increase efficiency and productivity by the degree of automation and to improve end product quality. One example of such innovations is the 'Vector 200', a new crosslapper by DiloMachines which is the first crosslapping machine in the market with an infeed speed of over 200 m/min.

Dilo lines are used for the production of nonwovens for all applications including automotive products, floor coverings, synthetic leather, wipes, geotextiles, roofing and filtration.

Considerable progress has been achieved in the processability of special fibres like virgin and recycled carbon fibres for composite materials. Compact special lines for product research, development, and production with carbon fibres are available.

Numerous fields of application such as filter media, geotextiles, roofing material, floor coverings, other technical textiles and composites require needled nonwovens with high low-load resistance. This is generally achieved by using reinforcing meshes/grids. The Dilo HyperTex installation produces a reinforcing scrim which is fed between two needlefelts which are then joined together by a Hyperpunch needleloom.

**Erbatech GmbH**, based in Erbach, Germany, develops, designs and manufactures high-end solutions for wet finishing of knitted and woven fabrics. After 50 years in the business, Erbatech



*Dilo needling line for structured floor coverings*

GmbH has become the market leader in solutions specially designed for knit dyers and finishers.

Their objective is to provide the textile industry with well proven machines for bleaching, CPB dyeing, washing and impregnation of delicate textiles, providing customers quality results and productivity with the lowest power, water, steam and chemical consumption.

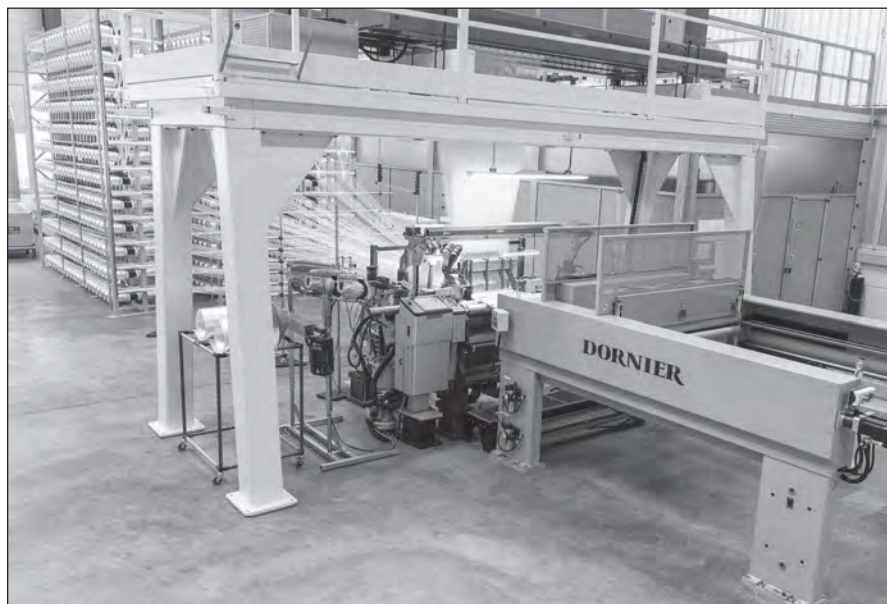
With almost 1.600 employees in 15 countries, **Erhardt+Leimer** is one of the world leaders in the area of web control and web inspection. Their reliable products and solutions support manufacturers in the textile, paper, corrugated card, printing and tyre industry in the efficient design of their production processes.

Their core business is automation technology on moving webs, which they can offer with different levels of integration in various industries. Their subsidiaries and additional industrial representatives mean that they are represented in the most important industrial countries.

With 19 subsidiaries in Europe, Asia and America, as well as 115 trade representatives around the world, they are always close to the requirements of customers. With dedicated service network and five production locations in Germany, Italy, India, China and the USA guarantee optimum and individual support to customers.

The world-renowned aircraft manufacturer Dornier began building textile machinery after the Second World War. The reason for this realignment was the Allies had prohibited the company from building aircraft in Germany. In 1950, **Lindauer Dornier GmbH** was founded by Peter Dornier, son of the famous aviation pioneer Claude Dornier, in the same building in Lindau-Rickenbach which still serves as the company headquarters. The first result of his search for a new field of activity was the manufacture of shuttle weaving machines.

Soon after this, Lindauer Dornier GmbH began building specialty machines as well, including dryers for the cardboard, paper and construction panel industry. In the mid-1960s, the product range was expanded to include foil



stretching systems for the packaging and plastic foil industry and textile finishing machines for circular knitted goods.

The rapier weaving machine developed in 1967 and the air-jet weaving machine introduced in 1989 were the most important milestones in the company's rise to become the Germany's only weaving machine manufacturer of international standing.

With three corporate divisions, weaving machinery, specialty systems and Composite Systems, today Dornier has established itself as a global technology leader.

The final products of their weaving machines include highly demanding fabrics such as airbags, carbon fabrics for composite structures and aramide fabrics for fireproof or bulletproof applications. The Dornier system family is also the optimum tool for manufacturing finest pure silk fabrics, intricate Jacquard items and the most delicate worsted fabrics.

In system design and construction, Dornier is a market leader in the engineering and production of systems for manufacturing ultra-thin plastic foils. Besides the packaging industry these films are being used increasingly in high-tech products such as semiconductors, capacitors for hybrid cars and film displays in mobile phones and flat screens. Today, more than 90 % of the products made by them are exported all over the world.

Weaving Machinery Division produces Rapier weaving machine P1, Air-jet weaving machine for Tyrecord, Dornier Servoterry, Dornier Easyleno.

Specialty Machines manufactures Film Stretching Line, and Dryers.

Composite Systems Division produces Roving weaving machine P1, Tape weaving machine, 3D Weaving machine, and Tape production lines.

**Festo** is an internationally operating family-owned company in its third generation, which covers its financial needs by its own means. Because of that, they are not bound by the capital market, but solely their customers, employees and business partners. This enables them to plan over the long term even in dynamic markets and to do business in a sustainable manner.

Festo has Business Divisions :

**Automation** : The right solution for every requirement. Festo offers products, systems and services surrounding pneumatic and electrical control and drive technology - whether in the factory or process automation sector.

**Didactic** : Festo Didactic is a world market leader in industrial education - be it with equipping technical training institutes or offering training and consultancy to processing industrial companies.

Each year, they invest around 8% of revenues into research and development to create innovate solutions that provide customers a clear competitive edge. The



result is Festo has now 100 new products ready for patenting each year and currently have more than 2,600 patents worldwide.

**Groz-Beckert** is the world's leading provider of industrial machine needles, precision parts and fine tools, as well as systems and services for the production and joining of textile fabrics. All around the world, the products and services support the textile processes of knitting and warp knitting, weaving, felting, tufting, carding and sewing.

The company, founded in 1852, employs more than 8,800 people and turned over about 740 million euro in 2017. Everything comes together at the headquarters in Albstadt, Germany. The family-owned company also has further production sites in Germany, Belgium, the Czech Republic, Portugal, the USA, India, China, and Vietnam. Numerous sales affiliates and sales partners complement the international presence. Groz-Beckert offers its customers a comprehensive partnership - without boundaries and on site in over 150 countries.

- **Knitting** : With over 160 years of experience and know-how, today Groz-Beckert produces, and distributes more than 50,000 products for the knitting industry. Besides high-performance needles and system parts for all kinds of knitting machines, the product range also includes knitting cylinders for large diameter circular and seamless body-size machines. For the warp knitting industry the company also offers system parts for tricot, stitch bonding, Raschel, and crochet machines, including individual parts and warp knitting modules.

- **Weaving** : With over 160 years of experience and know-how, today Groz-Beckert produces, and distributes more than 50,000 products for the knitting industry. Besides high-performance needles and system parts for all kinds of knitting machines, the product range also includes knitting cylinders for large diameter circular and seamless body-size machines. For the warp knitting industry the company also offers system parts for tricot, stitch bonding, Raschel, and crochet machines, including individual parts and warp knitting modules.

- **Felting** : The range for Subdivision Felting encompasses felting and structuring needles, as well as jet strips. In addition to high quality tools and accessories for the production of nonwovens - from a single source and for every field of application - Groz-Beckert also offers services that provide safety. Complex manufacturing processes for innovative and demanding nonwovens can only be implemented with absolutely uniform tools. It provides the nonwovens industry with manufacturing solutions using any fibre material - whether wood fibre, animal fibre, natural fibre, mineral fibre or synthetic fibre.

- **Tufting** : Tufting Gauge Parts from Groz-Beckert do a great job. They help form the base for tufted surface textiles - whether rug or bathroom mat, artificial turf for sports facilities and landscaping, or high quality carpeting for cars. Tufting machines up to five meters wide and with up to 4,000 needles, loopers, reed fingers and knives produce high quality textile fabric at speeds of up to

1,500 rpm. The perfect interaction and high performance of Tufting Gauge Parts makes it all possible.

- **Carding** : The right choice of card clothing is crucial to obtaining optimum carding results. Groz-Beckert supplies high quality card clothing for all roller cards and revolving flat cards and areas of application. The selection includes metallic card clothing, stationary flats, flexible card clothing and revolving tops in various steel qualities and with different surface finishes.

- **Sewing** : From classic underwear to leather products and highly complex special applications, all areas of the textile and shoe industry are covered. With a product portfolio of about 3,000 sewing and shoe-machine needles, Groz-Beckert provides the right solutions, including for technical textiles. Sewing and shoe-machine needles were incorporated into the production program at Groz-Beckert in 1980. Since then, it has become a leading supplier in this area. The high quality of the products and ongoing development and innovation have steadily increased market share.

More than 150 years of experiences are united under the company name **Interspare**. Operators appreciate their products of the brands Artos, Famatex, Haas, Babcock, Krantz, Stentex, Textima and Müller because of their reliability and long life span since many generations. They made it their practice to continue this successful history by using the well-proven technique and combine it with latest achievements. The company develops products and provides innovative improvements all levels.

The company Interspare GmbH is closely connected with the companies Interspare Lubricants GmbH and Krantz Synergy GmbH. Interspare Lubricants GmbH can offer the lubrications such as oils and greases for the relevant elements of the textile finishing machines.

Krantz Synergy GmbH is manufacturer of discontinuous dyeing machines which can pre-treat, dye and wash the fabrics in one process.



Furthermore extensions, modernizations and upgradings for existing machines can be offered.

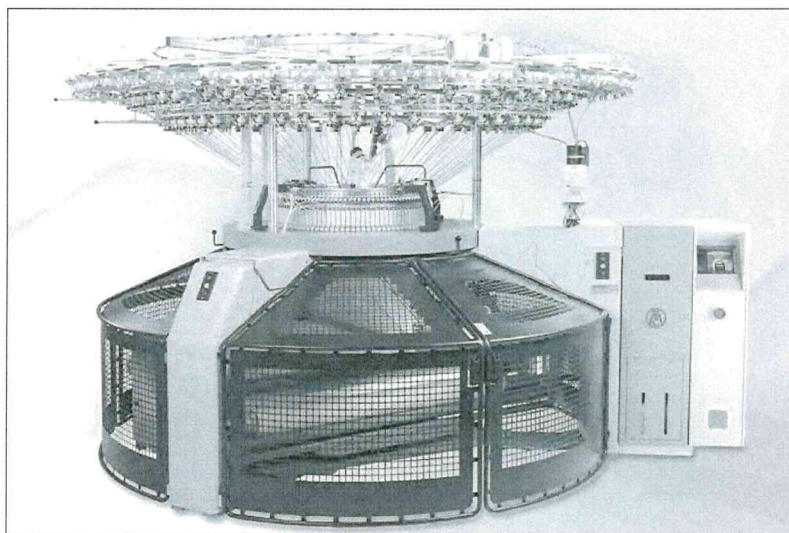
The Interspare GmbH is a company which has developed itself continuously over the years. The take-over of the company Moenus Textilmaschinen GmbH in 2007 was a key point. This take-over and the increasing demand caused the construction of new buildings and a growing need of qualified personnel. All these developments are reflected in the perfected product portfolio of the company.

The company has a special focus on sustainable production as well as the manufacturing of sustainable final products. According to the topic energy efficiency Interspare is a member of the organisation Blue Competence of the VDMA.

**IQ-SPS GmbH focuses on niches** or specialties and tries to bring excellent results in these branches of the market. A company with an obligatory code of conduct and a clear strategic direction. It gains above-average results on all world markets.

The company closely cooperates with the world's leading research institutes and is always open to new innovative ideas, no matter where these ideas come from. The company is prepared to take new ways to strengthen its own know-how. Its good image on the market is important and is maintained accordingly. The company has a motivated, consistent customer-oriented distribution structure. Cost optimisation is a normal process for the company. It is developing in a diversified way and achieves a high market penetration in all customer segments.

**Mayer & Cie** or MCT for short, is a leading global manufacturer of circular knitting machines. From fabrics for home textiles to sportswear, nightwear or swimwear, Mayer & Cie. has the right machine to manufacture them. The company's current portfolio comprises around 50 circular knitting machines and covers the full range of modern textiles. From fabrics for sportswear, for underwear in body widths, for fashionable outerwear, for mattress covers or car headliners, there is a Mayer & Cie machine to deliver the goods. It knits fast, reliably



*From fabrics for sportswear, for underwear in body widths, for fashionable outerwear, for mattress covers or car headliners, there is a Mayer & Cie machine to deliver the goods*

and in consistently high quality. And tirelessly: more than half of the Mayer & Cie. machines ever manufactured are still in use.

Requirements and standards are constantly changing, however, which is why Mayer & Cie is continuously adding to and developing its portfolio of machines. More than a third of the models they currently offer have only been in their product range since 2010 or later. The proportion of recent additions is even higher for single jersey machines. And there are continuous improvements to existing models. The latest Relanit machine, for example, uses around 30 per cent less energy than a conventional circular knitting machine.

Mayer & Cie. serves both the high-end and the mid-range market segment. In 2016 around 1,500 circular knitting machines were shipped to customers in all five continents. Its largest individual markets have for years been China, Turkey and India. In China, Mayer & Cie. has a subsidiary of its own; in the Czech Republic another. Final assembly of individual machine lines is undertaken in both countries. There are Mayer & Cie. sales and service branches in over 80 countries.

**Mahlo GmbH** belongs to the worldwide leading manufacturers of measuring, control and automation systems for the textile and finishing

industry as well as the coating, film and paper sector. Best-possible technical support and know-how transfer are written in capital letters at Mahlo. Thanks to an international network of agencies and service centres, their customers have competent support worldwide at their disposal.

Their experience in the Measuring systems and process control for all nonwoven and nonwoven fabrics industries enables Mahlo to tailor systems especially for the following processes :

- Airlaid / Dry Laid
- Carded
- Hydroentangled
- Melt Blown
- Needlepunched
- Spunbond / SMS
- Spunlaced
- Wetlaid, etc.

Mahlo supplies a quality control system tailored to your respective application and for your specific measurement and control needs for the entire nonwoven area - whether kitchen towels, diaper components or geotextile sheets. Systems are available from the fixed measuring point to traversing measuring systems for single and double-sided measurements with several synchronised scanners.

Mahlo is a strong partner in the area of processing, coating, finishing and



calendering of flexible materials such as paper, film, foil, nonwovens and textile. Whether you manufacture adhesive tape or food packaging, gift wrapping paper or automotive roof liners, sanding paper or floor covering, truck tarpaulins or band aids : Mahlo supplies a quality control system custom-tailored to your respective application and your special process requirements. Systems are available from the fixed measuring point to traversing measuring systems for single and double-sided measurements with several synchronised scanners.

**Karl Mayer** is technology and market leader as well as driving force for innovations in textile machinery building. The manufacturer offers perfect solutions for warp knitting, technical textiles and warp preparation for weaving. The success of its international customers is of utmost importance to Karl Mayer. Therefore, it has always been the company's aim to provide its clients with the best economical and technical products and services and to offer innovations which bring fresh impetus to the textile world.

With more than 2,300 employees worldwide, the international organization produces in its main markets, so that Karl Mayer is always close to its customers and their needs. Today the company has subsidiaries in the USA, in India, Italy, Hong Kong, Japan, China and Switzerland as well as agencies all over the world.



*Arno Gärtner, CEO of the  
KARL MAYER Group*

The German family-run enterprise was set up in 1937 and since then financial independence and economic sustainability have always been important aspects of their corporate strategy. As long-standing and reliable partner with many years of professional experience and high quality level in all areas, Karl Mayer supports the competitiveness of its customers and business partners.

Karl Mayer's different business units offer you various machine concepts and

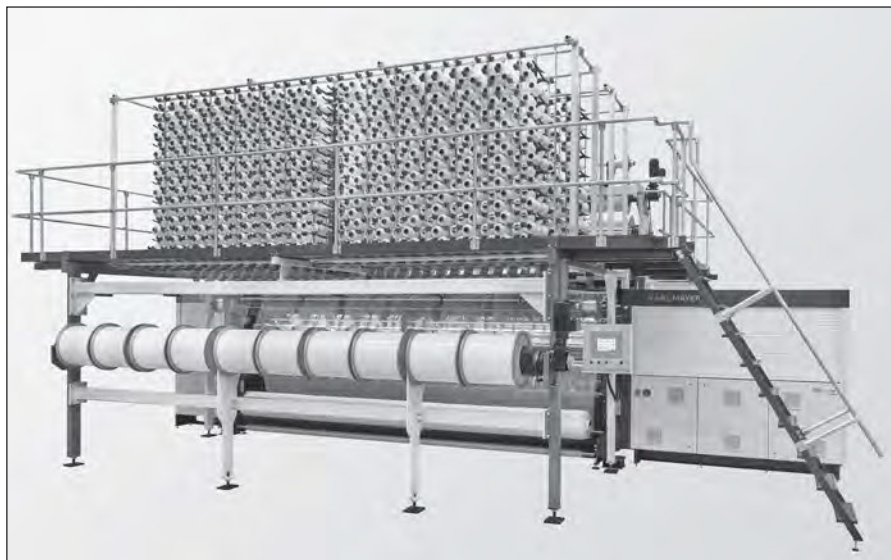
tailor-made solutions for warp knitting machines, technical textiles as well as warp preparation units for weaving and warp knitting. It is up to you to make the best choice according to your specific needs, strategic goals and special requirements. All the machines offer tried and tested Karl Mayer quality along with innovative solutions.

**Neuenhauser Group** is a network of independent companies that focuses on customer-specific challenges within various market segments in a target-oriented manner. Products and services offered include : plant construction and facility assembly, environmental technology innovations, automation manufacturing within the textile industry, various steel and non-ferrous metal manufacturing and processing techniques, contract manufacturing support in various industries, compressor and tank construction, as well as expansion elements. They have amalgamated their competences in order to provide their customers with complete, reliable systems that meet the highest demands in terms of quality, time management and cost efficiency.

Neuenhauser offers a broad service range to customers from around the world. It relies on the great competence and experience of their employees working with state-of-the-art technology to achieve best results in every single business area. Through open communication with customers, they develop individual solutions which are accurately implemented. The use of optimised processes and state-of-the-art technologies enables them to meet the high quality requirements of customers' products. All products are subject to strict control allowing customers to save time and expenses.

Neuenhauser provides assemblies and plant design, contract manufacturing, assemblies and systems, textile industry and automation, environmental technology, Vorwald expansion elements and many more.

**Texpa** was established by Mr Ahmet Gurler in 1999 as a textile products sourcing company. In the past, he had worked as a professional in textile companies such as Fisher & Gentile, Mantero of America, Hi-Fashion Fabrics



*General view on the Karl Mayer's lace raschel machine OJ 83/1 B*

and Marcus Brothers Fabrics. He has brought his experience and professional devotion into his own company.

Texpa is the link between the textile wholesale companies in the USA and the textile factories overseas. Their mission is, to serve all of their customers' needs from greige goods to plain dyed fabrics; from printed goods to finished products; to ensure that their goods are produced to the highest possible quality standards; with timely deliveries and at a competitive price. Texpa achieves this through long years of experience and strong bonds with reliable trading partners.

They have long-established relationships with reputable textile plants throughout Southern Asia and Far East Asia; mainly within Japan, South Korea, China, Pakistan, India, Taiwan, Thailand, Indonesia, Vietnam and Cambodia which provides a wide range of options, products and capacity.

Texpa services the production needs of various markets ranging from, but not limited to, the home-sewing industry, the over-the-counter fabric departments of the retail chain stores and the home decoration industry. Texpa has built strong, long-term bonds with its clients and has consistently grown since its establishment as it helped in its customers' growth.

They specialize in high quality reactive printed sheeting fabrics for the quilt shops in domestic USA market and other countries in the world. Texpa has extensive knowledge and experience about the requirements of the industry. Physical and performance specs of their products fully comply with the market requirements.

With many years of expertise in printed fabric production intended for fabric departments of the retail chain stores like Walmart, Joann Stores, Hancock Fabrics, Hobby Lobby, etc. This part of the business has its own dynamics and Texpa deep experience makes it easy for customers to transact business with overseas plants.

Texpa have plants that produce printed and solid dyed polar fleece fabrics in weights ranging from, but not limited to, 300 grams/yard, 330 gr/yard, 380 gr/yard, 450 gr/yard. Their mills have outstanding print capabilities that can handle both your licensed and non-licensed prints.



Oerlikon Neumag BCF Solution S+ for the production of BCF yarn

Their printing mills handle licensed patterns like Disney, Thomas the Train, Chuggington, Boyds Bears, Strawberry Shortcake, Transformers, Snoopy, Sesame Street, Precious Moments, etc.

It produces high quality upholstery fabrics in Polyester and Polyester/Viscose/Cotton blends. The range of products includes dobby or jacquard woven fabrics that are piece dyed or yarn dyed as well as chenille fabrics and velvets.

All of their plants have outstanding printing capabilities and they are well geared to satisfy the needs of customers. They all have strict quality control policies in place.

They have the facilities to do a wide range of finished products such as bags made of quilted fabrics, hospital uniforms, model garments, throws, blankets, chair covers as well as pre-cut and packaged fabric kits in any form.

**Oerlikon Manmade Fibers** with the product brands Oerlikon Barmag and Oerlikon Neumag is the world market leader for filament spinning systems used for manufacturing manmade fibers, texturing machines, BCF systems, staple fiber spinning systems and - as an engineering services provider - offers solutions along the entire textile value added chain.

As a future oriented company, the Oerlikon Group segment's research and

development is driven by energy-efficiency and sustainable technologies. With the expansion of the product range to include polycondensation systems and their key components, the company now caters to the entire process - from the monomer all the way through to the textured yarn.

The primary Oerlikon Barmag markets are in Asia, with Oerlikon Neumag's main markets in the US, Turkey and China. Correspondingly, the companies - with almost 2500 employees - have a worldwide presence in 120 countries as part of the Oerlikon Manmade Fibers network of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster and Chemnitz,



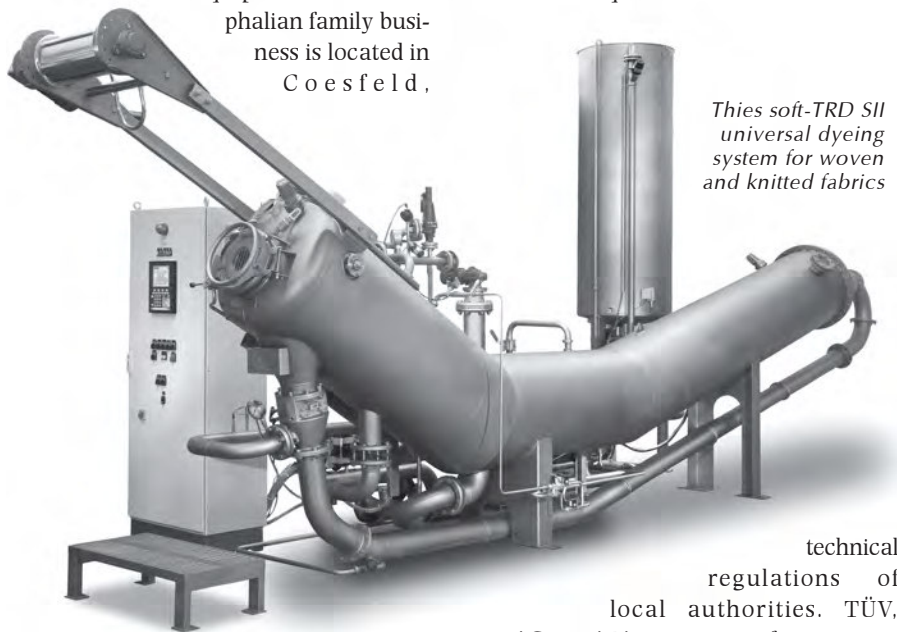
Oerlikon - From melt to yarn

highly-qualified engineers and technicians develop innovative and technologically-leading products for tomorrow's world.

**Oerlikon Barmag** is the world market leader in development and production of spinning systems and equipment for manmade fibers such as polyester, nylon and polypropylene and for texturing machines. Oerlikon Barmag has also established itself as a successful niche-market supplier : winders for special yarns, special applications and tape and monofilament systems are developed and manufactured at the Chemnitz site.

**Oerlikon Neumag** is the worldwide market and technology leader for complete plants for the production of BCF carpet yarns as well as synthetic staple fibers. Furthermore, Oerlikon Neumag is also a leading supplier of a wide range of nonwoven technologies from spunmelt to airlaid technology.

Founded in 1892, **Thies** has concentrated on the fabrication of high quality machines for yarn and piece dyeing and bleaching and drying equipment. The Westphalian family business is located in Coesfeld,



*Thies soft-TRD SII universal dyeing system for woven and knitted fabrics*

Germany and where it operates state-of-the-art research and production facilities.

Quality products made by Thies are successfully established in markets for woven and knit fabrics as well as technical textiles. Thies is represented by a global network of agencies. Besides

these agencies, Thies runs their own sales and service locations in Bangladesh, Bulgaria, China, France, India, Poland, Russia, Switzerland, Slovenia, Thailand, Turkey and (the) USA. This allows start-ups, maintenance, service, technical support and spare parts service supply to be provided in an even more timely fashion.

Thies supports an intensive research and development program, which focuses on the optimisation of existing products as well as the promotion of innovative technologies. State-of-the-art instruments and equipment are applied to develop, design and manufacture Thies machines.

The Thies group ambitiously pursues the sustainability concept as well. Next to the development of environmentally friendly products, resources are utilised in a sustainable manner during production processes.

Thies abides to stringent quality controls and security criteria in every project phase - namely during the design, manufacturing, and assembly. The machines comply with individual customer requirements as well as with

technical regulations of local authorities. TÜV, ASME, APAVE, DLI certifications are provided accordingly. Furthermore, Thies operates under the standards of the quality assurance system TÜV-CERT DIN ISO 9001/EN 29001 since 1993.

Interested parties have the possibilities to undertake trials with their own fabrics and means of production with the newest yarn dyeing and piece

dyeing equipment under real operational conditions at their in-house research facility. There, clients are accompanied by practically orientated experts and technologists, who support the optimisation of custom dyeing processes.

Wax rolls by **Reseda** are manufactured to particularly high-level standards. The name Naturafin stands for consistently high quality with many benefits for the yarn application process. It is not only their special manufacturing process that makes the quality unique but it is the inherent characteristics that make Reseda Binder a global market leader, essentially down to the secret formula used. The quality of these exceptional products have been shaped by tradition and innovation.

Paraffin mixtures that are individually and perfectly formulated to suit customers' special yarns satisfy their clients all over the world. The fully automated production process guarantees consistent quality, precise dimensions and excellent melting qualities. Consequently, even when demand is high, they can still guarantee prompt delivery for an extremely wide range of standard qualities.

At **Reseda Binder** they place great value on the continuous optimisation of their products. For this reason, Reseda work hand-in-hand with renowned textile research institutes and machine manufacturers like Rieter and Schlafhorst.

Apart from their patented WasteWatcher®, they have also developed own friction level meter which can be used to calculate the optimum paraffin application for any type of yarn or yarn quality. The friction levels are calculated electronically and accurately, and can be analysed directly on the practical touch screen. Under-waxing and over-waxing with paraffin should therefore now be a thing of the past. Their other new product developments include steam wax paraffins that offer numerous benefits for the production process.

**Sedo Treepoint** globally develops and supplies integrated systems for the textile finishing industry. Their aim is to create lasting relationships with customers by offering the very best available in both equipment and service. Experts in all areas of textile finishing,



Sedo-Treepoint uses its considerable skills to combine the development of software, hardware, mechanical and electrical engineering, offering customers a range of tools that will assist in managing the increasing demands of their market. The company has been developing and producing benchmark products for 30 years. Their systems, operating in all areas of textile finishing, have improved both quality and productivity. Furthermore the production data logged by their systems, plays a key role in helping management not only to make the right decisions but also to achieve appropriate company certifications.

They strive for long-term customer relationships, and aim is for the very best in customer satisfaction. It offers a first rate after-sales service with their own international offices and also support a worldwide network of distributors and agencies that are being constantly improved. Using their systems to enable the latest production methods can help customers avoid wasting water and power thus reducing both bills and CO2 emissions.

Sedo Treepoint product program comprises of : Controllers, PLC's, I/O modules and sensors for machine automation.

Software for central production planning and supervision, Data acquisition.

Recipe and color management software for laboratory and production, Quality control systems for laboratory and production.

**Monforts** is a global leader among the manufacturers and exporters of textile machines - since 1884. Innumerable patents and pioneering achievements in textile finishing have marked their way to today's leading position in the world market.

Their pioneering spirit is challenged and respected by industry leaders in continuous dyeing and textile finishing. For more quality in fabric treatment, more energy efficiency in production, uncomplicated service and more environmental compatibility in exhaust air treatment.

The product range from the A. Monforts Textilmaschinen can satisfy even the seemingly most difficult



*The latest Qualitex 800 control system from Monforts is available on line to make operation of the company's finishing machines 'child's play'*

economic and ecological demands on textile processing and finishing.

- Innovations : Monforts underlines its leading position as one of the most innovative manufacturers of textile finishing machines with new, highly efficient and resource-conserving technologies and universal ranges - with significantly lower energy consumption.
- Technical Textiles : The market for technical textiles demands special range concepts which can satisfy a wide

variety of requirements. Rely on Monforts' high-tech competence in the finishing of textile fabrics.

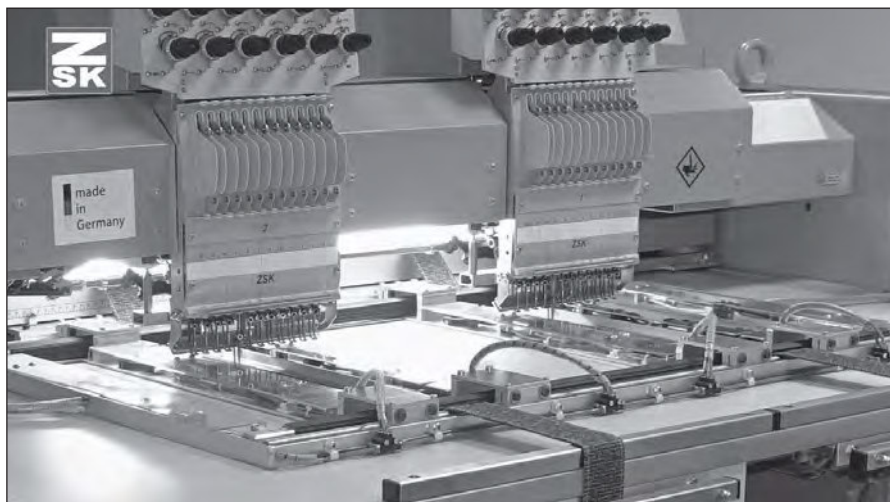
- Woven Fabrics : Monforts is your competent partner for the finishing of woven fabrics with ranges and range systems perfectly tailored to your demands and the needs of your production.
- Knitted Fabrics : As world market leader in the field of stenters, Monforts offers the possibility of customised adaptation to all the finishing effects demanded in the knitted fabrics sector.
- Denim : Modern range engineering and application technology made for very simple and effective finishing of denim. Here you can find out more about Monforts' key role, and about their technologies individually tailored to the needs of your production.



*Mr Jürgen Hanel, Head of the Technical Textiles Division at Monforts*

**ZSK** looks back on more than one hundred years of a successful history in textile engineering. Founded in 1984 by former employees of Zangs, a renowned company with great tradition based in Krefeld, ZSK has acquired the market leadership in a highly competitive line of industry. German high-class workmanship has always been their focus, each customer gets a machine in accordance with his individual requirements, the production is subject to rigid acceptance standards, each machine is made to measure to some extent.

ZSK has enhanced and perfected



thorough know-how steadily over the years. Their staff has longstanding industry experience that customers can be sure to obtain the optimum product for their special requirements.

As customer of ZSK you benefit from fast and immediate access to a worldwide sales, consulting, and service network; you will always have a competent partner. Their agents have been selected carefully, have a broad knowledge of their local market, and communicate regularly with their parent company. Thus ZSK can guarantee that their daily acquired experiences permanently contribute to an improvement in products and service. The cooperation with ZSK will ensure an increase of competitiveness and absolute investment dependability.

**Setex** is the market leader in

software and hardware solutions for textile finishing. With 20 years' experience in automation and system development, Setex is proud to be the trusted service and technology provider of textile machine producers around the world. Setex ensures the best output for dyeing and finishing mills. Technological advanced methods in planning, controlling, supervision and analysis of manufacturing processes distinguishes Setex.

Setex offers its customers a broad spectrum of products. All software and hardware components work together in order to fulfil the needs of all customers. Among the many specialized devices and solutions they provide are :

- Dyeing machine controller
- Finishing machine controller
- Programmable logic controller (PLC)

- Manufacturing sensors
- Manufacturing execution software (MES).

Setex supports manufacturers before, during and after the installation of system solutions. Quality control and support add to the outstanding customer experience. Therefore Setex helps in reducing costs, increasing quality of textile products and saving time and energy.

Setex products stands for outstanding engineering quality in innovative software and hardware solutions for textile dyeing and finishing manufacturers. The products can be individually fitted to producers' needs. Setex ensures with 20 years' experience in development, production, distribution, and long lasting customer support that textile producers receive products that simplify their life.

With a broad variety of products for textile dyeing and finishing Setex offers viable help for every textile producing company. Textile software and hardware solutions that not only make production processes faster, more efficient and with a higher quality but also smarter. The combination of advanced machine automation, smart data management, and third party integration with open industry standards makes Setex products easy to integrate into existing production processes.

From various textile production controllers, to manufacturing supervisor and execution systems to textile quality control solutions, Setex supplies state of the art devices and solutions for textile dyeing and finishing mills. **ATJ**

## **Russia to double technical fibres production by 2020**

The Russian Ministry of Industry and Trade has announced plans to double the country's technical fibres production by 2020. To implement these plans, Russia will expand the use of its large reserves of oil and other resources, including timber and other raw materials for the production of synthetics.

Currently, the domestic production of technical fibres can meet only 30% of Russia's annual demand, however, as part of the government plans, this might change. 'Thanks to Russia's well-developed oil and chemical industries and the presence of large-scale technical textiles consumers domestically, the industry has good chances for a rapid growth during the next several years,' commented Russia's Deputy Minister of Industry and Trade Viktor Yevtukhov.

'We are planning to use the experience of some foreign countries in this field, one of which is UAE, which in recent years has mobilised its fuel and energy resources for the needs of the domestic technical textiles market.' The country brought its synthetic fibres supplies to the world market to US\$ 1.3 billion over the last ten years. Currently, Russia occupies more than 13% of the world oil production market, however, the volume of its synthetic textile materials exports is eight times less than in the UAE.

Prior to 2014, the dependence on imports in Russia varied in the range of 80-90%. However, the beginning of the financial crisis in Russia in 2014, ruble has made further imports of technical textiles unprofitable. As a result, many importers began to consider the prospects of localising the production.