BRÜCKNER energy saving systems conquer the markets of Central and South America

Due to the continuously increasing energy prices BRÜCKNER took some years ago the right decision and invested in the energy efficiency and productivity of their lines. Energy saving becomes also in the Central and South American countries more and more an important issue in order to remain competitive also in future. The Texpasa group in Guatemala bought some time ago the first heat recovery unit for this market and registers since then very good results.

The Texpasa group was founded in 1992 in Guatemala. Today the main office is in Charlotte, N.C., USA. In the last few years, Texpasa has developed to be one of the best manufacturers of knit fabrics in tubular or open-width form in the region .

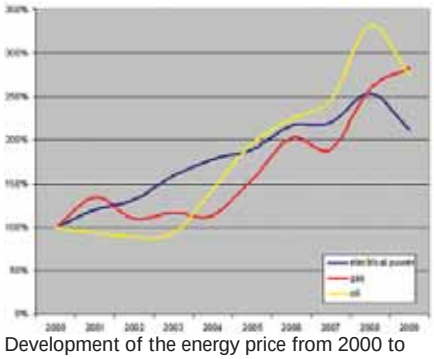
With a production capacity of about 350,000 pounds per week, Texpasa strives to be their customers number one resource for knit fabrics. Typical fabrics include 2,and 3-end fleece, various piques, lacostes, ribs, jerseys and thermals. In addition, Texpasa recently began producing synthetic performance fabrics.

In order to extend their production in Guatemala, the Texpasa group looks for a powerful partner. Since the explosively increasing energy costs become noticeable also in the countries of Central and South America it was for Texpasa very important to find a solution to save as much energy as possible and if possible with increased output.

The line comprises two POWER-PAD padders for squeezing and impregnating, one 8 zone POWER-FRAME stenter with patented split-flow air circulation system and one integrated ECO-HEAT back-pack heat recovery unit.

Thanks to this newly developed ECO-HEAT heat recovery system by BRÜCKNER, the Texpasa group is now able to save up to 33% of energy, depending on the process with clearly higher production capacity and improved fabric quality.

Francisco Solares, Texpasa (centre) with Lars Dominique Hensen and Maik Eisenhardt , Bruckner.



Development of the energy price from 2000 to today.

The ECO-HEAT system uses the heat of the exhaust air to heat the fresh air which is led to the dryer. Due to their handy dimensions the heat exchanger modules can be withdrawn without problems for cleaning and re-inserted afterwards. No special tools or auxiliaries are required.

In addition a unique filter system in front of the heat exchanger leads to a considerable reduction of the cleaning cycles. For Texpasa the line pays back within less than 1.5 years.

The efficient POWER-FRAME stenters offer clear advantages for BRÜCKNER customers, particularly for the drying and heat-setting of high-quality woven and knitted fabrics.

The use of BRÜCKNER's Montaña nozzles generates a special tumbler fabric movement which leads to a clear improvement of hand, volume and residual shrinkage of the fabric. The vertical STAR-DUR transport chain with non-lub gliding elements and PLC-controlled minimal lubrication is particularly robust and perdurable.

The unique service and cleaning concept with large access doors and additional side cleaning flaps for the interior cleaning of the nozzles facilitates the operator's work and saves thus a lot of time. Further productivity-increasing components such as a non-stop batcher and the modern control concept MULTI-CONTROL PLUS with possibilities for line control of the entry and the exit of the machine complete the powerful system.

But BRÜCKNER's service does not end after commissioning. Experienced textile technologists give valuable hints and are anytime available for questions. The Texpasa group used this offer and had the complete line adjusted for their respective processes. Thus all possibilities of the machine can be used completely and the best possible production results can be reached.

Shima Seiki: Seamless garments available at Shanghai department stores

Shima Seiki is planning to bring this Christmas season WHOLEGARMENTS to Shanghai department stores for the first time, and directly offer end consumers tailor-made apparel to Chinese buyers.

Wholegarments in fashionable designs will be provided for consumers, where each buyer will be able to have a piece of seamless, well-designed garment at his/her own size. The garments are absolutely a piece of 'only you' - stated Ikuto Umeda, Chief Executive Officer of Shima Seiki Win Win at the Grand Opening of the showroom of Shima Seiki Win Win in Hong Kong held during October 2009. Shima Seiki Win Win is a subsidiary of the Shima Seiki group in Hong Kong, China.

At the Isetan department store, consumers are invited to buy preferred color and size, and the style to fit individual consumers. These seamless wholegarments offer increased comfort to wearers and each piece of "Only You" apparel is a unique Christmas gift that cannot be found anywhere else.

The made-to-order concept is made possible with the Shima Seiki's Ordermade software called SDS-ONE and SDS-ONE APEX apparel design systems, which allow realistic knit simulations and 3D virtual sampling functions. Furthermore, the made-to-order wholegarments are also available in selected department stores in Japan.

In order to promote consumer awareness toward WHOLEGARMENT knitwear and its benefits, as well as to distinguish WHOLEGARMENT from other knitted products, Shima Seiki has been offering WHOLEGARMENT product tags exclusively to customers utilizing WHOLEGARMENT knitting machines, in addition to apparel planners, designers and merchandisers associated with creating and promoting WHOLEGARMENT products.

WHOLEGARMENT product Tags.

COMEZ: New electronic double needle bed warp knitting machine for technical textiles and fashion fabrics

Comez has launched a new electronic double needle bed warp knitting machine for the manufacturing of an wide range of articles. The applications include:

- **Technical uses** (netting for sports equipment and the food industry, high resistance ribbons in special fibres, ribbons and fabrics for applications in the geo-textile, automotive, building and industrial sectors)
- **Medical uses** (tubular elastic netting, emergency bandages and dressings, disposable underwear)
- **Women's apparel** (mesh stockings and pantyhose) and fashion fabrics.

The COMEZ DNB/EL-1270 features a 1270 mm working width, comes in several gauges from 5 to 18 n.p.i., uses individual latch needles and can work any type of yarn. It is equipped with 12 pattern guide bars, with electronic control, but knockover sinker groups can be supplied on request.

The electronic drive of the thread feeders and the finished product take-down allows for the possibility of different stitch density values (stitches/cm) on one single product, as well as different values for weft/warp feeding and elasticity.

The machines is fitted with the new DATA CONTROL CONTROLLER which manages all necessary machine functions, monitors production data and allows for the realization of lengthy pattern repeats: the number of lines for each pattern can reach a value that is just about unlimited.

The electronic programming of the pattern guide bars allows articles with different weaves to be produced without interruption, and the fabrics obtained feature a good three-dimensional consistency, difficult to obtain on single-needle bed machinery for traditional fabrics.

Thanks to the presence of 2 needle beds, and the unique evolution of the pattern guide bars, it is possible to obtain "double face" articles, with identical structure and specifications on both sides: the fabric doesn't actually have a front or reverse side.

This is a very important characteristic in the production of articles such as knitted netting and technical articles. However, it is also possible to differentiate the appearance of the two sides of the fabric, for example with a mesh structure on one face and a plain close-knit structure on the other.

With regards to articles in netting,

Machine COMEZ DNB-EL 1270.

both rigid and elastic, they can be created either flat or in a tubular form. In the flat form, the stitches dimensions can be set from a few millimeters to several centimeters: the adjustment can be made without interruption and the structure can be either simple or reinforced at crossover points by a "super knot".

In the tubular form the structure can be with simple mesh, with very open mesh (e.g. for the production of mesh wrapping bags for fruits and vegetables), and with woven mesh (such as for the production of tubular netting for medical uses).

With regard to technical articles, one of the most interesting possibilities is that of the so-called spacer fabrics which basically comprise two distinct fabrics, constituting the two faces of the whole (and even presenting different appearances), connected by woven threads of a special consistency, so that the two faces are kept at a certain distance by connecting threads.

Structures obtained using this process feature high voluminosity, and excellent elasticity to pressure (absorption effect). The electronic programming allows articles with alternating three-dimensional and flat areas to be made easily.

COMEZ DNB/EL-1270 can also be used for mixed compositions and can be fed yarns from creels only, creels and beams combined or beams only.

The yarn feed can also be provided by electronic feeders secured to the machine or by floor-standing external electronic feeders.

COMEZ spacer fabric.

The collection system for the finished product can be tailored to the user's requirements and available space.

Elmarco and University of Akron Sign Agreement

Elmarco is the leading supplier of machinery for industrial production of nanofiber materials. Elmarco s.r.o. has entered into a cooperation agreement with the University of Akron, Ohio, as a new member of the Coalescence Filtration Nanomaterials Consortium (CFNC). Other CFNC associate companies are Ahlstrom, Donaldson, Cummins Filtration, Parker Hannifin Corporation, and MemPro Ceramics.

Elmarco's initial contribution to the consortium is the delivery of unique laboratory equipment for the production of nanofibers, the Nanospider™ Lab Machine. Elmarco's proprietary technology is easily upscaled to industrial levels, which opens opportunities to explore the results from consortium research projects in commercial uses.

University of Akron has a long tradition in R&D of electrospinning processes for nanofiber production and applications. Professors Darrell H. Reneker and George G. Chase are experts in this field, who had recognized the huge potential for practical applications of nanofibers, and in 1998, established the CFNC in order to synergize ideas and scientific background of the University with technology transfer experience of the innovative industrial members of the consortium.

The CFNC conducts fundamental research in performance coalescence filters and the design of filter media, including the development and application of nanofibers. The research scope includes theory, modeling, and experiments on capture and coalescence of micron and nanometer size drops and particles in non-woven filter media made of micron and nanometer diameter fibers; methods of nanofiber generation and construction of non-woven media with nanofibers; liquid-liquid and gas-liquid coalescence.

SHAW renames synthetic collection

Shaw Contract Group premiered a product called "Wool" at NeoCon and received Best of NeoCon Gold Awards for tile and broadloom. The collection is inspired by the look and feel of natural, hand-spun wool but is constructed of nylon. In order to avoid confusion in the marketplace, Shaw Contract Group is renaming the collection "Couture, inspired by wool." The name change conveys the fact that the product draws inspiration from the wool fiber but is in fact, a synthetic nylon product.

Karl Mayer Malimo at Asia Wind Power 2009

KARL MAYER MALIMO Textilmaschinenfabrik GmbH, which is a subsidiary of the traditional German manufacturer, KARL MAYER, will be exhibiting at the Asia Wind Power 2009 exhibition from 12 to 13 November in Shanghai.

KARL MAYER MALIMO builds machines for producing a wide range of textile structures, develops textiles with a broad spectrum of characteristics, and is opening up new areas of application for these textiles.

The products manufactured on the multiaxial machine are no longer new, but they are highly sophisticated technically and have become firmly established on the market. They can be produced from high-performance fibres, such as carbon, glass and aramid, and there is an extremely high demand for multiaxial constructions bonded by thermosetting or thermoplastic agents in the light engineering sector. Manufacturers of rotor blades in particular have been profiting from using these reinforcing textiles, which are extremely reliable and economical to produce. In order to meet the growing demand, KARL MAYER has recently optimized its machine technology by developing the Malitronic® MULTIAXIAL machine.

The main emphasis in developing this new, high-tech machine was to further increase efficiency and improve the accuracy of all the operating sequences, the user friendliness and the flexibility. Axel Wintermeyer, the head of sales, will give details of the improvements that have been implemented in a paper to be presented at the conference which is being held to coincide with the Asia Wind Power 2009 exhibition. KARL MAYER supports this Asian event in its capacity as a silver sponsor.

The new Malitronic® MULTIAXIAL machine for producing multiaxial textiles for use in rotor blades.

Messe Frankfurt wins 2009 UFI Marketing Award

The 2009 UFI Marketing Trophy has been awarded to Messe Frankfurt, Germany, for its winning Insider programme, recognized by UFI as the "Best Marketing Activity of the Year". The UFI Trophy will be awarded by Katharina Hamma, Chair of the UFI Marketing Committee and John Shaw, UFI President to Messe Frankfurt's Chairman of the Board, Michael von Zitzewitz and Director of Visitor Marketing, Ania-Virginia Kleinbichler, at the 76th UFI Congress in Zagreb on October 29. Agfa Graphics (Germany) and the Hong Kong Trade Development Council (China) were recognized as finalists for their entries. This annual UFI marketing competition, open to UFI members and non-members, attracted entries from exhibition organizers around the world.

Ania-Virginia Kleinbichler, Director Visitor Marketing, Messe Frankfurt, Katharina Hamma, Chair UFI Marketing Committee and Michael Reichhold, Director Paperworld.

Katharina Hamma, Chair of the UFI Marketing Committee, congratulated Messe Frankfurt saying, "UFI is proud to recognize the Insider Programme developed by Messe Frankfurt. It's through innovative marketing efforts like this that exhibition organizers, exhibitors and visitors alike benefit from the "special" relations encouraged by this unique face-to-face marketing media."

The winning Messe Frankfurt entry highlighted the creative and innovative application of their Insider Programme during the Paperworld tradefair.

UFI Awards are bestowed annually in the fields of exhibition marketing, ICT, operations and international fair poster design. They recognize and reward creative, results-oriented professional achievements from within the international exhibition community.

Arab Cotton Ginning to split its real estate holding from cotton production

Arab Cotton Ginning (ACGC.CA) from Egypt will split its real estate holdings from its cotton production and offer the land for housing and commercial developments, the firm release a statement.

A new company will be created to manage the real estate investments, including the sale of land and the development of housing, tourism and commercial properties.

Arab Cotton Ginning owns more than 600,000 square meters of land in 13 locations in Egypt. The land once housed gins (machines for separating cotton fibre from seed), that have moved to cheaper industrial zones away from residential areas.

Arab Cotton Ginning said it will take three to four months to complete the split, and that the firm will re-acquire the spun-off company via a share swap.

Oerlikon Neumag Spunlaid Solution Center expanded by a Meltblown Line

With the commissioning of a Meltblown Pilot Line, the expansion of the Oerlikon Neumag Spunlaid Solution Center continues.

The meltblown stand-alone line will be dedicated to supporting the development of all standard meltblown applications like fine fiber barrier fabrics or filtration composite media.

With this installation, a small, compact line design with a working width of 0.6 m was developed, which can also be applied for industrial production lines with working widths up to 0.8 m and which is especially suitable for the production of niche products.

Last year, the existing spunlaid pilot plant was already expanded by a further spunlaid beam and a meltblown beam to altogether three beams. Both plants are not only used for the internal further development but are also available for customers for trials.

The meltblown line can also be extended by other web forming technologies like spunlaid and carding, realizing multi-compound nonwoven webs with optimized product qualities and characteristics.

Courtesy: Oerlikon Neumag Zweigniederlassung derOerlikon Textile GmbH & Co. KG, Christianstraße 168-170, D-24536 Neumünster, Germany.

Methods workshop delivers costing and engineering software

Methods Workshop has released its next-generation Engineered TruCost Version 9, the benchmark for costing and methods engineering in the fashion and sewn products industry.

ETC 9 enables developers, manufacturers, and sourcing professionals to accurately predict product costs, define operational best practices, and benchmark global manufacturing performance.

In company tests, ETC 9.0 performs up to 60% faster than prior versions while maintaining its documented predictive costing accuracy of ±5% vs. actual production cost. The new software is now available for general delivery worldwide.

Built on Microsoft's .NET Framework and leveraging Microsoft's SQL Server database software and Visual C# development tools, ETC 9 delivers powerful new capabilities and significantly improved performance through an entirely new, visually stunning user experience and rock-solid computing platform. Engineered TruCost maintains its core methods time measurement (MTM)-based standards that enable product developers and manufacturers to quickly and accurately predict product costs in advance of production, define operational best practices, and benchmark manufacturing performance against global standards.

ETC 9.0 comprises numerous new or improved time and cost-saving benefits, including:

- Simple drag and drop operation for creating styles and operations
- Clone existing styles/operations to streamline creation of new items
- Feature (sub-assembly) level costing enables quicker response to style changes
- Apply changes to one style, selective styles, or globally "where-used"
- Identify costs, production capacity, machine and thread requirements by factory or department
- Advanced search capabilities save time and eliminate redundancies
- Export style and operation details to Excel for specialized company outputs and evaluation
- Attach video, audio, image, and documents to styles, operations, or other system components

ETC9 Styles.

According to Methods Workshop President John Stern, "ETC 9.0 brings measurable new value to our current and future clients. Combining our industry-proven motion time standards with the latest Microsoft technology takes Engineered TruCost to a whole new level of usability, productivity, and price-performance results."

Other important performance, security, and usability features of ETC 9 include:

- Browser-style back/forward navigation; drop-down navigation to recent pages.
- System setup time reduced to a single day in most cases.
- Convenient concurrent user licensing; multi-language and multi-currency.
- Enhanced user access control; system security at the user or role levels.
- Flexibility to create and add company-specific time/motion values to system elements.
- Re-engineered, automated change log for improved administrative control.
- Library of preconfigured reports; create custom reports using SQL Server Reporting Services.

Since its inception in 1982, Methods Workshop has provided more than 400 apparel, footwear, furniture, home fashion, transportation, industrial textiles and other sewn-products companies with the systems, certification, consulting, training and support they need to increase competitiveness and accelerate speed to market.

Engineered TruCost™ (ETC) is an industry-specific Predetermined Motion Time System (PMTS) that enables production and sourcing professionals to quickly and accurately predict product costs in advance of production, define operational best practices, plan for production and supply chain execution, and benchmark manufacturing performance against global standards.

Quick TruCost™ (QTC) is a companion or stand-alone costing solution for early-stage design and development needs. Based on answers to eight to ten simple product description questions, QTC provides an immediate estimate of total manufacturing costs with typical accuracies of ± 2% of actual final costs.

DyStar files for bankruptcy

DyStar Textilfarben GmbH, DyStar Textilfarben GmbH & Co. Deutschland KG and DyStar Holdings GmbH -- global providers of dyes, auxiliaries and services for the textile and leather processing industries -- have filed an insolvency petition with the Local Court Frankfurt am Main for the company's Germany-based business operations.

DyStar resolved to file for insolvency after failed attempts to address liquidity pressures. Included in the filing are the company's sites in Frankfurt, Leverkusen, Brunsbüttel, Geretsried and Ludwigshafen, which together employ approximately 1,300 people.

The court has named Dr. Stephan Laubereau of Pluta Rechtsanwalts GmbH preliminary insolvency administrator over DyStar Textilfarben GmbH & Co. Deutschland KG; and Miguel Grosser of Jaffé Rechtsanwälte Insolvenzverwalter preliminary insolvency administrator over DyStar Textilfarben GmbH. The preliminary administrators will convene with DyStar management to evaluate the situation.

Workshop on technical textiles and nonwovens sector

The Association of Italian Textile Machinery Manufacturers (ACIMIT) and the Italian Trade Commission (ICE) organize, in partnership with the Nonwovens Institute of North Carolina State University, a technical workshop dedicated to Italian technology for the nonwovens and technical textile industries. The event will be held in Raleigh (November 11th and 12th, 2009) at North Carolina State University.

ACIMIT estimates that about 100 of its member companies are involved in the production of machinery for technical textiles or nonwovens. This sector is observing steadily growing turnover, accounting for 10% on the total turnover of Italian textile machinery industry.

The Italian participants at workshop in Raleigh are only part of the Italian supply for this sector. To find out ideal technological partner, textile operators are invited to visit ACIMIT website (www.acimit.it), where ACIMIT's associate members operating in this sector are listed.

ACIMIT gathers Italian textile machinery companies producing more than 80% of the entire Italian textile machinery production, and some associated members (consortia, technical schools, technical magazines, research centres).◆