

## Show Highlights at 8<sup>th</sup> India International Textile Machinery Exhibition INDIA ITME 2008

### Terrot writes success story in India

India belongs beside China and Turkey to the biggest manufacturers of textile and clothing articles of the world. During the last 15 years the traditionally strong textile industry in India has made an enormous development to one of the most interesting and promising global world suppliers.

India produces 12% of all textile materials. With an acquired share of ca. 17% on the whole Indian export revenue the textile industry is the most important foreign currency bringer.

To meet the rising requirements of the Indian market Terrot reinforced its activities in India and founded a cooperation together with the Indian Voltas group in 2006. The successful cooperation distinguishes itself by the systematically market-oriented focus of their activities. Main focuses to be named are measures to ensure the quality management as well as the development and retention of new target groups.

Voltas supports local textile companies actively in every issue concerning the sales and service area, like starting up of new machines, advice in service and maintenance, spare-part service, textile-technical support and training.

In numerous well-known textile factories of the Indian textile centres more than 1000 circular knitting machines made by Terrot are already producing a wide product range of knitted fabrics.

With the market launch of the 296-2 especially designed for the Indian market Terrot could enlarge its portfolio again.

With the participation at India ITME 2008 in Bangalore the company underlined the huge importance of the Indian market. Against the current economic depression and strong losses in competition Terrot writes together with its Indian partner Voltas a success story in India: The company was able to increase its machine sales about 13% in comparison to the previous year.

Therewith, Terrot captures the biggest market share in the top machine segment in India. Next year the focus of the company will be strongly straightened on the market activities in Asia and in particular on India to expand its position and develop the achieved corporate success.

### Truetzschler, Truetzschler Card Clothing, Trumac, Fleissner and Erko Truetzschler at one stand for the first time

At India ITME 2008, five companies of the Truetzschler Group - Truetzschler, Truetzschler Card Clothing, Fleissner, Erko Truetzschler and Trumac - were present at one stand for the first time. The companies were combined into three thematically divided areas: Truetzschler Spinning, Truetzschler Nonwoven and Truetzschler Card Clothing.

Truetzschler Spinning includes the companies Truetzschler, Germany and Trumac, India. The Truetzschler Nonwovens area is comprised of the companies Fleissner and Erko Truetzschler. Truetzschler Card Clothing forms a bridge between the two areas. Truetzschler Card Clothing supplies card clothing for spinning mills as well as roller card clothing for the nonwovens industry.

India is an important market for all companies of the Truetzschler Group. The machines and technologies presented at India ITME were particularly in tune with the requirements of the Indian market.

#### Truetzschler Spinning

At India ITME, Truetzschler exhibited a high production card TC 07 for performances above 200 kg/h and the high production card TC 5, built at Trumac in Ahmedabad. This machine was completely new and was introduced to the public for the first time in India. Furthermore, the draw frame TD 03 - 600 was exhibited. The TD 03 - 600 is a special drawframe for combed ring-spun yarns, with a performance of 600 m/min. Thus, on one hand, it covered all applications in the combed area and on the other hand, it has been significantly improved in regard to power consumption and therefore, economic efficiency by optimised arrangement of the drives.

In addition to the Truetzschler compact installations for up to 2000 kg/h, the focus was on the blowroom area, featuring new blowroom lines especially developed for India - the Eco lines - for the lower and medium production range. The foreign part separator SECUROPROP SP-FP safely detects and separates transparent and partially transparent parts, such as foils and



Peter Schellen, Sales Director, Hermann Selker, Marketing Director, Heinrich Truetzschler, Owner & Managing Partner and Dr. Dirk Burger, Managing Director of Truetzschler.

polypropylene. The centre of the stand was dominated by the new comber TCO1, which Truetzschler showed for the first time in India. With its rate of 500 nips/min, this machine positioned itself at the upper end of the performance spectrum.

#### Truetzschler Card Clothing

Clothings are the core of every card. The yarn quality is influenced by selecting the correct clothing. Truetzschler Card Clothing presented card clothing made of new special alloys and achieving unmatched service-life. This significantly improves efficiency.

#### Truetzschler Nonwoven

Truetzschler Nonwoven, together with Fleissner and Erko Truetzschler, offered turnkey installations for all applications. The expanding nonwovens market is in need of innovations and ideas. At the India ITME, Fleissner and Erko Truetzschler presented how versatile and different nonwoven products are and the machines and plant concepts that can be applied to produce the end product in an economical and competitive manner. Fleissner and Erko Truetzschler manufacture machines for the following areas:

Opening/ Blending, Card feeding, Cards/ Crosslapping, Web needling, Hydro Entanglement, Finishing, Drying, Heatsetting, Chemical Bonding, Thermobonding.

## Energy solutions the key for Monforts

With energy representing more than 60% of the total costs of a thermal system over a period of 10 years, it provides a constantly increasing expenditure. Consideration also has to be given to the cost factor for discharging the cleaned / recycled exhaust air into the atmosphere. To meet these challenging issues, Monforts displayed its tried and tested solutions at India ITME, with a team of senior sales and applications engineers offering advice on the energy saving techniques.

### Energy Tower

A stand alone Energy Tower was introduced by Monforts for retrofitting to existing stenters or hotflues with restricted access above the units. Designed to be positioned alongside the stenter or hotflue it features five integrated heat recovery modules. Capitalising on the high temperature of the exhaust air, savings of up to 30% in energy costs can be achieved.

### New 'tumble' action with DynAir relaxation dryer

The new DynAir relaxation dryer for knitted fabrics offered a new continuous 'tumbling' action to provide improved performance, shrinkage and handling. Whilst retaining its 'sinowave' fabric flow through the DynAir's chambers, a tumble action is introduced by vibrating the chambers upper

and lower transport belt. These are both synchronised to ensure the optimum tumbling effect. The tumbling effect loosens the crossing points of the knitted fabric generating further improved shrinkage and handling.

### Soft coating solution

A new soft coating solution provided energy savings with reduced drying times and can in some cases eliminate the need for a conventional padder. The new process using trough and roller techniques, applies just the required amount of liquid/coating to the fabric via contact with the roller.

### 'Golden' stentering chains

The new 'Golden' Hercules stentering chain offered even further improved long term lubrication extending re-greasing intervals to more than 12,000 hours, depending on the treating processes. Monforts patented direct lubrication system; with lubricant injected directly into the bearing.

The interval for re-greasing has been extended from 6,000 hours to more than 12,000 hours under average performance conditions of 160°C and 70 m/min. The new 'Golden' Hercules chain features further improved sealing for the bearings. This ensures a reduction of grease loss due to heat dissipation by more than 60%.



Wolfgang Kaphahn, Managing Director, Monforts at India ITME 2008.

### New sanforisor

A completely new redesigned compressive shrinkage sanforisor for both woven (Monfortex) and knitted (Toptex) fabrics was introduced offering increased residual shrinkage, higher production speeds, automatic grinding of the rubber blanket, reduced water consumption for cooling and substantial time savings for blanket changes. The new redesign also allows faster rubber belt changes taking just a single shift compared with two days for industry standard. The simplified belt removal is accomplished by an optional integral lifting device to lift the rollers instead of their complete removal.

With the necessity of grinding the belt at least 5-6 times throughout its life, a new fully automatic grinder ensures only a minimum of rubber is ground thereby increasing the efficiency and life of the belt. It also eliminates the need for a skilled craftsman/operator in manual grinding techniques.

## Worldwide launch of VisionScreen BLADE by Zimmer Textile Technology

Zimmer Textile Technology GmbH Austria is an innovative product development company, specialized on textile printing and coating machines. Based on 135 years of family tradition, the founder of ZTT Group of Companies has created a team of experts focused on the search for new technologies, materials and solutions for the textile industry. On the occasion of the ITME INDIA Bangalore in November 2008 ZTT Group of Companies has presented once more a newly developed product: the VisionScreen flatbed printing machine. Flatbed printing is not a new technology, it has been in the market for 150 years but the precision of repeat accuracy and the production speed have now been lead to new levels.

But due to such rumours and prognoses, the technological development of flatbed printing machines has stagnated over years. Not one single machinery company has invested anything in any further development of this technology. Therefore, ZTT Group of Companies has

picked up the lead and presented now a revolutionary new flatbed printing machine: VisionScreen BLADE.

Key points are fastest possible movements, all directly controlled by specially developed electronic drives, each movement fine-tuned in steps of 0,1 seconds, allowing as such a speed of up to 31 strokes per minute, and yet the simplest possible electronic control concept ever seen in a printing machine. Of course and as usual for any Zimmer High Quality printing machine, the basic framework, the crossbeams, and every part of the machine, is designed as solid and strong as it can be. Rigidity is one of the traditionally well known assets of all Zimmer Textile printing machines.

Only high quality materials like stainless steel, powder coated steel parts, specially treated Aluminium and of course synthetics are used to compose this new and revolutionary textile printing machine.

On the occasion of the ITME INDIA in Bangalore, the first of its kind of this new



VisionScreen by Zimmer Textile Technology.

VisionScreen flatbed printing machine has been running live in action with counted 31 strokes per minute.

In the meantime the first orders have been booked and rentability of high quality textile printing has again moved up to the next level with Zimmer Textile Technology GmbH Austria Group of Companies. European craftsmanship and precision bring out a high quality printing machine made in Austria at the right economical balance.

## PREMIER Evolvics with world class products and solutions

PREMIER Evolvics, exhibited a range of world class products and solutions at the ITME '08, Bangalore. Located in Hall: 3, Booth: A113; the stall attracted many customers within India and also from other parts of the world including Turkey, Iran and South East Asia.



iQon, the best clearer for foreign fibre and White PP detection.

PREMIER iQON, the New Standard in Foreign Fibre and White PP clearing was launched at ITME '08 and with the technology specific illustration tools; the representation of Visible and InfraRed technology, the Yarn board demo kit etc., was much appreciated by visitors, which made the understanding of iQON technology easier across the common visitor to the textile technocrat. The demonstration of iQON was complete with its operation at Savio and VeeJay Excello stalls.

The product suite on display included ClassiQON; the New Classification Standard with Foreign Fibre and White PP classes, which classifies White PP into 12 classes. The deviation across positions / samples tested can be independently viewed with respect to White PP, Foreign

Fibre and Mass, which helps to initiate the appropriate corrective action. Several graphical reports enable quick recognition of deviations in the Quality.

The Xenii series of Contamination sorters are now specifically designed for the beginning and the end of the Blow Room line. The Xenii 2 is optimized for smaller tufts running at higher speeds at the end of the Blow Room line with UltraSonic detectors and its unique no "deaf zone" to detect White PP and a CCD array to detect the Colour Contaminations. The associated high speed image processing facilitates in detecting contaminations of various types and sizes. The Xenii F is designed to detect larger particles at the beginning of the Blow Room line with its unique Photo detector technology and the patented "Transfer Zone" adopted in the Xenii series of Sorters.

PREMIER ART 2 (High Volume Fibre Tester) with a full function Gravimetric Trash option was displayed. The Gravimetric Trash is functionally integrated with the ART2 central processor. The module eliminates the need for multiple passes and has automatic trash collection and weighing which results in a fast, precise and user friendly measurement. New features in ART 2 include True Maturity; adopts a unique differential volumetric technique to measure real Maturity which is traceable to image analysis values. An Automatic Moisture Measurement and strength correction



Mr. Sridhar Varadaraj, Managing Director with C R Srinivasan, Head Sales of Premier Evolvics Pvt. Ltd.

avoids the impact of environmental conditions. A built-in RH sensor, the engineering calibration using metal plugs for the automated micronaire module and an improved front end report offers greater flexibility to the user.

The aQura2 upgraded with a host of software features including the Process chart, Nep difference percentage, length difference percentage and the Combing optimisation index arms the user to control the process more efficiently. The primary features include True Neps; a process optimisation tool for Carding and Combing machines as well as to view the trend of Yarn Neps at the finisher Draw frame stage itself. True Short Fibre; enables to optimise the final yarn quality, especially imperfections such as thick places, and also the tensile characteristics.

iQ QualiCenter, the world's most intelligent Evenness Tester comes with a new parameter, Hair Severity, which redefines the way the yarn hairiness is currently measured. Hair Severity reflects the seriousness of the longer hair in spinning, weaving and knitting. A guidebook containing applications, statistics and technology information is now available.

Ringi, the On-line Monitoring system for Spinning department, offers greater flexibility with ScoreBoard, a display system to view and initiate real time corrective action based on critical spinning parameters monitored, the End Break Indication lamp (EBIL) assists in improving the Man power utilisation by reducing the mean end break piecing duration to up to 50%. PanorAmilL the user friendly application software with its extensive analysis helps to analyse the deviations quickly. The PREMIER Productivity Standards, the first of its kind standard for Ring frames monitored through the On-line system, Ringi, plots 5%, 25% and 50% productivity levels achieved by mills for each Count, Material and Parameter. The Summary of best levels achieved is also indicated for Bench marking.

## Dornier for the first time with new, lean rapier weaving machine type PX

At India ITME, for the first time in India, DORNIER was present and demonstrated the versatility of the new, lean rapier weaving machine type PX. Well proven components, 8 weft colours and the unsurpassed high flexibility of DORNIER's positively controlled center transfer make it a highly cost-efficient and versatile machine attractive especially to home textile and garment manufacturers. The machine is combined with BONAS Jacquard shedding and dressed with a premium silk fabric in the standard upholstery fabric width of 160 cm.

Next to the PX machine visitors admired a state of the art DORNIER air-jet weaving machine renowned for its outstanding sturdiness, strong reed beat-up and remarkable insertion rate. The AS machine was dressed with a realistic, high-density cotton conveyor belt fabric, woven in 3 panels with tucked selvages

using the patented DORNIER PneumaTucker®. A DORNIER PS, the high-end version of the DORNIER rapier weaving machine, was available with any user-defined extras, displayed on the STAUBLI stand.

The machine, equipped with 16 weft colours as well as the 2-end full turn selvedge formation device MotoLeno®, weaves a beautiful Goblin article showing the Taj Mahal and a high-class upholstery fabric with on-the-fly pattern change. Visitors interested in the DORNIER finishing machinery for tubular knit goods viewed a scale 1:50 model of the latest mercerising machine type EcoMerc®. The DORNIER finishing machinery's core piece, the patented circular expander enables an intensive and optimum mercerising effect for tube diameters from 250 mm up to a maximum of 1000 mm without any selvedge marks.

## Benninger - Competence in textile machinery

The Swiss company Benninger produces machinery and plants which meet the highest standards for weaving preparation and textile finishing. The range of Benninger products is rounded off with tire cord systems and the Benninger drive and controlled units. The name Benninger stands for controlled and consistent quality, process reliability and cost-effectiveness.

Benninger offered process engineering competence to match. For their customers, they used the comprehensive expertise and support of Benninger consultants for their own, individual needs. This allowed them to not only meet the increasing demands placed on textile products, but also allowed them to set new trends. Benninger served their international audience with great interest at India ITME 08.

## Picanol displayed four high-tech weaving machines

In addition to these four looms, one Picanol Jacquard airjet weaving machine was displayed on the Stäubli booth, and another Picanol weaving machine was on display at the Van De Wiele booth.

All Picanol weaving machines had various high-tech features that reduce energy consumption in a unique way:

- ❖ The highly energy-efficient Sumo main motor, which drives the weaving machine directly, without belt of clutch and brake.
- ❖ Less heat dissipation, which reduces the cost for air conditioning in the weaving mill.
- ❖ Removing heat with water cooling system (patented).

Specifically in Picanol airjet weaving machines:

- ❖ Fixed and movable main nozzles for very high performance and minimal air consumption.
- ❖ New relay nozzles and valves for minimal air consumption.

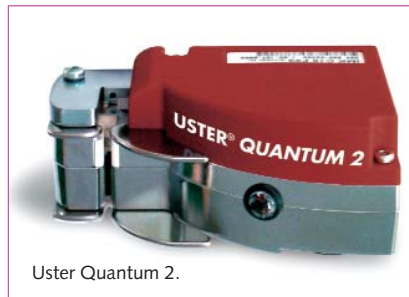


Erwin Devloo, Marketing Communications Manager, Picanol with Editor PTJ.

- ❖ Adaptive Relay Valve Drive, which automatically adapts the relay nozzle settings to the behavior of the filling yarn during insertion.
- ❖ Autospeed, which adjusts the machine speed to the air-friendliness of the filling yarn.
- ❖ Picanol Catching Device (patented), which reduces the requirement for the relay nozzles to keep the filling yarn stretched, and thus further reduces the air consumption.

## Uster displayed solutions for all market requirements

Two major milestones in quality innovations for spinning mills were being celebrated by Uster Technologies at India ITME 2008: "60 Years Evenness Testing" and the "50<sup>th</sup> Anniversary of the Uster® Statistics." The Uster Group provides testing and monitoring instruments, systems and services that allow optimization of quality through each individual stage of textile production.



Uster Quantum 2.

The Uster Quantum 2 yarn clearers for OE machines can detect and eliminate disturbing thick places, thin places and foreign fibers, as well as assessing the overall quality level of the yarn package with respect to evenness, imperfections, hairiness, count deviations, etc. When it comes to comprehensive quality testing of yarns, The Uster® Tester 5 is unbeatable offering unmatched throughout, automated sample testing and advanced advanced data analysis.

With Uster®'s help, the spinners can be confident in the quality of the yarn they produce. Uster® Tensorapid can provide the answers, a multipurpose tester for all kinds of strength and elongation tests, for both yarns and fabrics. Its results can be matched against the globally accepted benchmarks in Uster® Statistics. On winding machines, its sophisticated sensor technology allows it to eliminate disturbing thick places, thin places and foreign fibers in the yarn, as well as pinpointing and separating out entire bobbins which do not meet required quality standards for evenness, imperfections, hairiness and count deviations.

## ITEMA Weaving, the one company

Sultex, Promatech, ITEMA Weaving Machinery (China) and First were moulded into a new "one" company model. This means, one group management, one sales- and service organisation, one group marketing & product management department, one head quarter and finally, one integrated supply chain and data system.



Fabio Mario Mazzucchetti of Promatech

ITEMA Weaving displayed three major weft insertion systems on its booth at INDIA ITME 2008 in Bangalore. ITEMA Weaving showed 6 high-tech weaving machines.

The renowned brands Sulzer Textil, Somet, Vamatex, and Fimtextile offered a complete range of weaving machines, accessories and services.

All the machines are energy friendly due to efficient drive motors and high-tech solutions applied to all machine concepts. The Sulzer Textil air-jet L5500 is the new bench mark in regard of air consumption. All weft insertion systems have a small foot print and produce high class fabric with no, or absolute minimal waste.

The visitors were able to see the latest results of ITEMA Weaving's strong and ongoing R&D commitment, which takes advantage of the synergies generated by pooling 190 years of experience within the group. ITEMA Weaving's product range satisfied production requirements, from commodity to high-fashion and specialised industrial fabrics. Six weaving machines representing the various brands were on show.

One of the highlights was the re-engineered K88 rapier weaving machine; it was the result of experience gained and synergies created within the Euro-Chinese organizations of the company. The K88 features improved performance, greater versatility and proven reliability because of advanced solutions adopted from the high-end machines.

## Oerlikon Textile: Showcased innovations for market driver India

Oerlikon Textile, the leading manufacturer of textile machinery and plant, exhibited technological innovations to open up the market further.

Oerlikon Textile presented many successful products and innovations in its 700m<sup>2</sup>-plus "Circle of Success" (hall 3, A118). For this segment of Swiss hightech group Oerlikon, the textile growth market of India is one of the main drivers for developing its business.

All five business units (BUs) of Oerlikon Textile were represented at the Bangalore exhibition site: Oerlikon Barmag, Oerlikon Neumag, Oerlikon Saurer, Oerlikon Schlafhorst and Oerlikon Textile Components. Dr. Carsten Voigtländer said, "they showed by this how significant India is for them as a leading manufacturer of textile machinery and plant.

Against this backdrop, the CEO of Oerlikon Textile announced the forthcoming start of production at the Halol plant. The segment currently employs over 540 people in India and it aims to grow further there. The technological innovations for this were exhibited at ITME.

### Oerlikon Barmag: Focus on industrial yarns

In response to the burgeoning interest in the production of industrial yarn in India, the leading manmade fibre specialist is exhibiting an innovative solution for yarns with low titres and applications in which the minimum of shrinkage is crucial.

The new 16-end technology of the godet system promises higher productivity with simultaneously low conversion costs. Another exhibit is the POY platform WINGS, which will soon be going into operation in India for the first time.

This plug-and-play machine unit integrates godets and tangling unit into the winder, guaranteeing consistently excellent yarn quality, greater productivity and efficiency due to lower air and space requirements and potential savings with regard to operating staff.

The focus in the DTY sector is on the new texturing machine eFK: it combines the energy-saving MPS and COCOON godet technology with the proven ergonomic handling of the FK6-1000.



Dr. Carsten Voigtländer, CEO Oerlikon Textile with Mr. Khurshed Thanawalla, Managing Director, Oerlikon Textile India Pvt. Ltd.

The PROMIX VS spinning pump excels with its mixing and metering system, which ensures a supply of homogeneous melt to the individual component pumps and thus also a lower yarn break rate.

### Oerlikon Neumag: technological expertise in carpet yarns, staple fibres and nonwovens

The company offered the most comprehensive range of turnkey solutions in the market for the production of nonwovens for the target markets of hygiene, medical and filters up to automotive and other industrial end uses.

This was based on all the major non-woven technologies: airlaid, carding and spunlaid. The show highlights were improved FOR carding technologies, Fehrer needle punching and Autefa cross-lapping techniques.

The spotlight was on the modular S5 system for manufacturing high-grade BCF carpet yarn, the turnkey plants S3 (for monocolour yarns) and Variomelt (for mono- and tricolour yarns) as well as the new Sytec One concept with only one end per position.

Also on show was the 2-step plant concept for the production of synthetic staple fibres, facilitating significant productivity increases with production capacities of up to 400 tonnes of PET fibres a day.

### Oerlikon Saurer: Innovations for twisting and embroidery systems

After ITMA Asia, the arrival of Volkmann FusionTwister brings the global innovation to India too. The new two-for-one twisting machine for staple fibre yarn delivers future-oriented answers to trends such as finer titres and higher energy prices.

It replaces its successful predecessor model FOCUS and considerably extends the production spectrum once more.

### Stäubli booth attracted visitors

The 8<sup>th</sup> India International Textile Machinery Exhibition, closed its doors on 22<sup>nd</sup> November 2008. Though the general market situation was and still is not bright, visitors mainly from India, but overseas as well, wanted to get informed about the latest developments in textile machinery.

On the Stäubli booth customers were shown a selection on the latest products from the Stäubli textile machinery range in operation: cam motions and dobby machines, electronic Jacquard machines and harnesses, and weaving preparation systems products with leasing and tying machines. The machines on the booth were all running and could be seen in various applications. Stäubli Group member Schönherr carpet systems, presented its carpet samples produced on the new ALPHA 400 carpet-weaving machine, and new Stäubli member DEIMO presented its electronic control solutions for mainly textile machinery.

Among the various products and applications two complete Jacquard installations with rapier weaving machines were also seen producing upholstery fabric on the Stäubli booth: one installation is equipped with an LX 1602 Jacquard machine with 5120 hooks, the second weaving machine works in combination with a Jacquard machine LX 3202 driving 12288 hooks. Weaving preparation systems division showed its brand new course to medium yarn range warp tying machine MAGMA T12.



New warp tying machine for medium to coarse yarn MAGMA.



Oerlikon Saurer was reinforcing its position as leading supplier of shuttle embroidery machines and additional facilities such as Sequins and Soutache device or laser cutting device.

### Oerlikon Schlafhorst: top process expertise in staple fibre spinning

The market and innovation leader in staple fibre spinning exhibited many of its latest successful products. With 416 spinning units and take-up speeds of 200 m/min, the new BD 416 generation of rotor spinning machines occupies a top slot as the most productive machine in its class worldwide.

Some of the arguments in its favour include the electronic EVA control system, which permits the yarn quality to be controlled precisely and reproducibly, and convincing piecing reliability levels of 95 %.

In ring spinning, the Zinser 68i roving machine was on show, with interesting new features such as four independent drive shafts or its intelligent control system EasySpin, which ensures low roving break rates and permanently high speeds.

The successful Autoconer 5 was also at ITME with the Autoconer 5S model. A versatile all-rounder, the new rewinding machine with PreciFX came with everything required for rewinding precleared yarn onto process-optimized packages. It thus demonstrated its performance potential and flexibility in the production of dye packages and hard packages for knitting and weaving.

### Oerlikon Schlafhorst Customer Support

"SUN – Service Unlimited" is the new service initiative that Oerlikon Textile Customer Support offers with its brands Oerlikon Barmag, Oerlikon Neumag, Oerlikon Schlafhorst and Oerlikon Saurer to all its clients who require more than just service.

Oerlikon Schlafhorst Customer support offers original parts and technological advice, plus modernization and service packages for all machine generations and product lines.

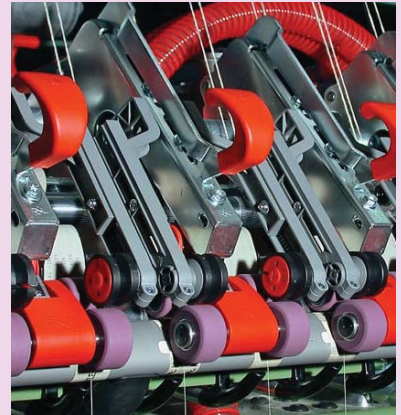
### Oerlikon Textile Components: with high-tech components to a quality product

The new business unit presented its product lines Accotex, Daytex, Enka Tecnica, Heberlein, Temco, Fibrevision and Texparts on the adjacent stand and offered a product portfolio ranging from staple fibre and filament spinning to nonwovens.

## SUESSEN Ring spinning and Open-End Solutions

During INDIA-ITME in Bangalore, SUESSEN presented the new EliTe®CompactSet V5 with the optional applications EliTwist® and the new core yarn attachment COREflex® (= EliCoreTwist®), processing 100% cotton into a twoply core yarn with the yarn count Ne 120/2 at a spindle speed of 20,000 rpm. The new generation EliTwist® CompactSet V5 processes 100% cotton into EliTwist®Yarn Ne 120/2 (compact twoply yarn directly from the ring spinning machine). The system is equipped with:

- ❖ COREflex® – the new SUESSEN Core Yarn System for ring spinning machines in Compact Spinning and conventional ring spinning.
- ❖ 5star®Tube – the new EliTube design.
- ❖ HP-GX 3010 Top Weighting Arm.
- ❖ ACP – Quality Package – better fiber guidance for better yarn quality. ACP solutions available for top weighting arm models HP-GX, HP-A, PK type and P3-1.
- ❖ EliVAControl V.2 – Monitoring of the suction power.
- ❖ EliVario – frequency controlled drive of the EliVAC Suction System.



The new SuesSEN COREflex®.

### The new HP-GX Top Weighting Arm Family:

- ❖ HP-GX 4010 – for roving frames.
- ❖ HP-GX 5010 – for worsted spinning frames.

### In Open-End Rotor Spinning Premium Parts ProFiL®Family was enhanced by the

- ❖ ProFiL®Navels.

### Further developments:

- ❖ Trash Channel Modernization for SE 9 Autocoro rotor spinning machines.
- ❖ SOLID RING with CR-Coating.

## Precitex Rubber Industries Pvt. Ltd.

Precision Rubber Industries Pvt. Ltd, Mumbai, India, manufacturer of PRECITEX brand cots and aprons, are the largest manufacturer of cots and aprons in India. They are also the largest exporter and have won several export awards from the Govt. of India.



They export their products to various countries such as Pakistan, Bangladesh, Iran, Egypt, Turkey, China, Vietnam, Indonesia, Thailand and Latin American countries.

PRECITEX had participated in INDIA ITME 2008 and displayed their entire range of products. They had show-cased their High Performance (HP) series of cots and aprons which were well received by the customers. Some of the important products are:

**1. HP B 65 Cot :** This cot is offered for front line application for conventional ring spinning machine and also for compact

spinning machine. This is a 65 deg. shore hardness cot having excellent resilience thus offering very good yarn quality.

**2. Conductive Cots:** This is a very unique concept introduced for the first time by PRECITEX. The properties of synthetic rubber are modified so that the accumulated charges are conducted very easily.

This minimizes the common problems of roller lapping as well as fly liberation. Conductive cots are offered in 83 deg. shore hardness (HP G 83) as well as 78 deg. shore hardness (HP BL 78) for High Speed Draw Frame, Combing Machinery as well as Roving Frame.

**3. HP Series Aprons:** "HP" Series Aprons are offered for fine performance and longer life. "HP HKE" series aprons are offered for ring frame application for cotton yarn counts and "HP WB 6640" as well as "HP WH 6680" are offered for multiple applications. ♦