

TMAS: Textile Machinery Association Sweden

A focus on customer service, aligned with the drive to constantly innovate, has long ensured that the member companies of TMAS – the Swedish textile machinery manufacturers’ association – stay well ahead of the curve.

“All of the Swedish textile machinery companies are doing really well in major markets such as Europe, China, India and the USA,” says TMAS Secretary General Therese Premler-Andersson. “They are now gathering forces to prepare for the most important show – ITMA 2019 in Barcelona in June. I expect to see new players and partnerships as we enter the industry 4.0 era for real. We are ready to display an even higher degree of the real time monitoring of processes, automation, flexible customisation, and the incorporation of robots into production lines. Our customers expect a lot of in terms of knowledge and our ability to customise and offer turnkey solutions.”

Robotics

One ACG Gruppen company moving rapidly forward with new innovations in this area is ACG Kinna, which at ITMA 2019 will be providing dramatic live demonstrations of its new robotic pillow filling system. This has the ability to fill and finish some 3,840 pillows per eight-hour shift, which is a considerable improvement on what is currently possible with existing systems, resulting in significant savings in both labour and energy for busy home textile businesses.

“There has been much talk about the potential of Industry 4.0 enabled by advanced software, but I believe we are at the forefront of pioneering it in the textile industry,” says ACG Kinna CEO Christian Moore. “The use of robotics is now standard across many industries dealing in solid goods, but the handling of soft materials such as textiles is a little more complex. Nevertheless, we have already begun commercial shipments of our new system and we believe it will make a real splash at ITMA 2019.”

“Successful Swedish brands such as IKEA and H&M ensure that we are constantly on our toes and this latest technological breakthrough from ACG Kinna Automatic is a good example of how Industry 4.0 is helping our companies to further develop their products,” adds TMAS Secretary General Therese Premler-Andersson. “The latest Eton Systems concepts for fully automated work flows in finished garments and textile-based products are another strong example of this.”

At ITMA 2019, Eton will be demonstrating a complete material handling solution with advanced software providing real-time information covering every aspect of the process.

“Our systems are a natural fit with the major Industry 4.0 networked manufacturing plants that are now being constructed worldwide for sectors such as the garment and home textiles manufacturing and automotive industries,” says Eton’s Sales and Commercial Director Roger Ryrén.

“At the last ITMA in 2015 in Milan, there was much talk about Industry 4.0 technologies but certainly from the perspective of TMAS, ITMA 2019 will be the



TMAS Secretary General, Therese Premler-Andersson.

place for concrete solutions as to how data and the new tools we have available can be exploited to the full,” says Therese Premler-Andersson. “There is already much more networking between the companies, with software very much the enabler and common interfaces bringing ideas closer together. We are greatly looking forward to further exchanges of ideas when meeting with customers old and new in Barcelona.”

Members of the Textile Machinery Association of Sweden present at ITMA 2019: ACG Kinna Automatic AB (H3 - D239), Baldwin Technology AB (H2 - A204), Eltex of Sweden AB (H4 - B102), ES Automatex Solution AB (H3 - C250), Eton Systems AB (H2 - A214), IRO AB (H4 - A206b), Svegea of Sweden AB (H3 - D250) and Texo AB (H5 - A101). ♦



Some of the TMAS innovations to be introduced at ITMA 2019 (clockwise from top left) – Texo AB wide-width weaving technology, Baldwin’s new TexCoat G4, the latest bias cutting system for technical textiles from Svegea, Eton’s advanced material handling solutions, the Eltex EYE yarn fault detection system on a synthetic grass line, and robotic handling from ACG Kinna.

Keeping on an even creel with the Eltex EyE™

Eltex of Sweden will introduce a yarn tension monitoring system for woven fabrics at ITMA 2019 from June 20-26th in Barcelona, Spain.

Unlike yarn tension monitors that are fitted solely on the weft insertion systems of the weaving machines in a modern mill, Eltex is introducing the EyE™ system for the warping process prior to weaving – and instead of monitoring only the tension of the six-to-eight yarns fed by the weft insertion system they are keeping a close eye on literally hundreds.

“Several hundred yarns can be fed from the creels during the warping process compared to only a few weft insertion yarns during weaving,” explains Brian Hicks, managing director of Eltex. “In 2015 we decided to broaden our portfolio and move into multiple end application in the warp preparation in response to customer demand. It’s obviously a much different process, but we completed development in Spring 2018 and in less than a year have had better than expected demand from a diverse sub-set of markets, with a first full installation already operational at a premier UK fashion customer.”

With warping that can operate at speeds of 500 metres a minute, the yarn tension values from all yarns are continuously updated and displayed on a screen. Tension values outside the warning level are indicated both on the sensor’s LEDs and on the screen. It is possible to expand a sector of the display to have a detailed view including the position ID and the cN value for the yarns in this sector.

“Tension monitoring for multiple ends has been a great challenge to achieve but we’re confident the system will generate

a lot of interest at ITMA 2019,” Mr Hicks says. “Perhaps the biggest challenge of all has been getting such a comprehensive system – with a sensor for each individual yarn – down to an acceptable price for the industry, but I’m happy to say, we’re there now. The EyE™ will allow mills to greatly reduce problems, not only when warping, but also in the subsequent weaving or tufting processes.

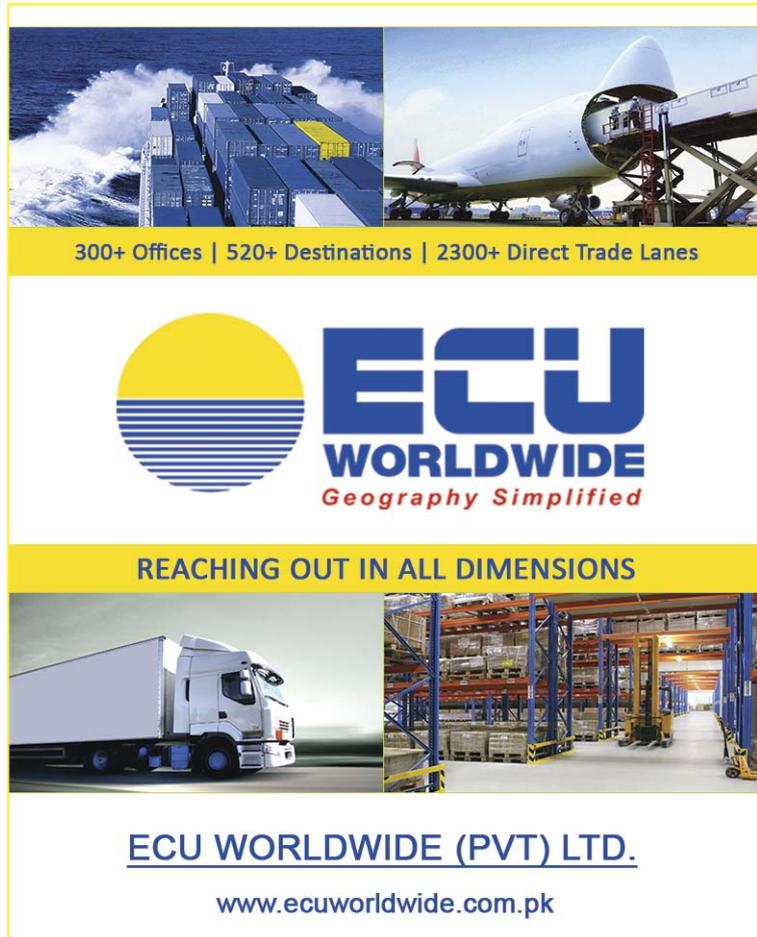
With its research and development work primarily carried out at its headquarters in Osby, Sweden, and North American sales and service operated from its subsidiary in South Carolina, the manufacturing plant of Eltex has been located at Templemore in Ireland since 1976, providing significant advantages in terms of

high flexibility and logistical services to customers on both sides of the Atlantic.

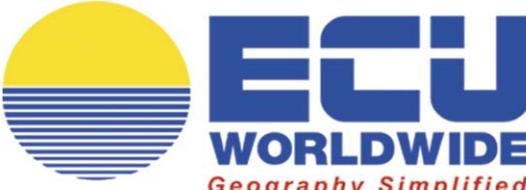
Eltex is a member of TMAS – the textile machinery association of Sweden which will have a significant presence at ITMA 2019 in Barcelona.

“The latest technologies being developed by Eltex perfectly illustrate how Sweden’s long tradition and history of textile production are being combined with a good climate for innovation,” says TMAS Secretary General Therese Premler-Andersson. “There will be many more innovations on show from our members at ITMA 2019.”

Eltex will be at stand B102, in Hall 4 at the Barcelona exhibition. ♦



300+ Offices | 520+ Destinations | 2300+ Direct Trade Lanes



ECU WORLDWIDE (PVT) LTD.
www.ecuworldwide.com.pk



The EyE™ system for the warping process prior to weaving.

Materials handling for Industry 4.0 concepts from Eton Systems

With over 5,000 tailored installations for a range of industries installed in over 60 countries, Eton Systems, headquartered in Gånghester, Sweden, has established a reputation as a clear leader in the field of complete material handling systems.

At ITMA 2019 in Barcelona from June 20-26th, the company will be demonstrating a complete installation based on a future production concept, with advanced software providing real-time information covering every aspect of the process.

“Our systems are a natural fit with the major Industry 4.0 networked manufacturing plants that are now being constructed worldwide for sectors such as the garment and home textiles manufacturing and automotive industries,” says Eton’s Sales and Commercial Director Roger Rylén. “We have had a very busy last 12 months, with more major projects in the pipeline. We understand, however, that one solution does not fit all situations, which is why we think in terms of custom-made solutions matched to specific customer needs. Buying a system from us, is buying a solution and a part-

nership. Each system includes support, service, training and knowledge built on more than 70 years of experience. When a customer invests in an Eton System the increased efficiency normally results in savings of between 40-60%.”

A typical system consists of overhead conveyors with individually-addressable product carriers which automatically steer their way through programmed operation sequences. They are monitored by a computer providing all the necessary data for optimally measuring and managing processes. The systems are also highly flexible and can be rapidly modified to changes in the production line or the need for expansion.

“The result is fully automated flow with complete control of every component for the end product – where they have been, where they are now and where they are going,” Mr Rylén explains. “These are real Internet of Things installations and every component has its own unique identity due to the integrated transponder in each carrier.”

Eton is a member of TMAS – the textile machinery association of Sweden which will have a significant presence at ITMA 2019 in Barcelona.



Multiple rails enable rapid sorting at individual workstations.

“Eton Systems is truly embracing the latest Industry 4.0 concepts for fully automated work flows that are now revolutionising the textile industry,” says TMAS Secretary General Therese Premier-Andersson. “There will be many more innovations on show from our members at ITMA 2019.”

Eton Systems will be at stand A214, in Hall 2 at the Barcelona exhibition. ♦

Baldwin Technology to launch the TexCoat G4 at ITMA 2019

Revolutionizing textile finishing by enhancing sustainability and total process control.

Baldwin Technology Company Inc., a member of TMAS, the Swedish textile machinery association, is pleased to announce the launch of the TexCoat G4 at the ITMA trade show in Barcelona from June 20-26, 2019. The TexCoat G4 is the next generation of the company’s revolutionary non-contact precision application system for fabric finishing.

The system enables a continuously high quality and productive textile finishing process with zero chemistry waste and drastically reduced water and energy consumption. TexCoat G4 will be demonstrated by Baldwin in Hall H2, stand A204. ♦



The new Texcoat G4.