



TEXTILE MACHINERY ASSOCIATION OF SWEDEN

Verksamhetsberättelse 2019

TMAS VERKSAMHETSBERÄTTELSE 2019

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2019 var ett intensivt år för TMAS med ett flertal olika aktiviteter såsom utbildningar, studiebesök, deltagande i arbetsmarknadsdagar och inte minst ITMA-mässan.

Årets årsmöte hölls på Eltex anläggning i Tempelmore, Irland. Stort tack för spännande studiebesök och inblick i lokala traditioner och gastronomi!

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OMSLAGSBILD: Medlemmar i TMAS under utbildningen i Incoterms i Borås.

BRANSCH I FÖRÄNDRING

Det har varit ett intensivt år i föreningens historia som till stor del präglades av vår viktigaste mässa: ITMA i Barcelona. Föreningen har fokuserat på att marknadsföra svenska leverantörer både före, under och efter mässan. Vi kan konstatera att blev en stor framgång för såväl TMAS medlemsföretag som för branschen som helhet. Innovationer, affärer, nätverkande och besöksstatistik vittnade om att ITMA är och förblir den ledande marknadsplatsen för textilmaskiner.

Generellt har marknaden för textilmaskiner präglats av osäkerhet. Protektionismen ökar och handelskonflikten mellan USA och Kina fortgår. Efter flera år med god tillväxt i branschen har den avstannat under senare delen av 2019 och detta förmodas fortgå in i 2020. Samtidigt fortsätter digitaliseringsprocessen som både utmanar traditionella arbetssätt och strukturer, men framför allt öppnar upp för nya produkter, tjänster och affärsmodeller. De svenska

maskinbyggarna har investerat i R&D och ligger långt fram både vad gäller automation, digitalisering och hållbarhet. Det bådär gott när vi blickar framåt.

Tack för ett fantastiskt år!



Therese Premler-Andersson
Generalsekreterare TMAS

VERKSAMHETSIDÉ, MÅL OCH MEDLEMMAR

TMAS verksamhetsidé är att främja branschens intressen på såväl det kommersiella som det tekniska området, samt representera branschen vid kontakter med nationella och internationella myndigheter och organisationer. Vidare skall föreningen vara ett forum där medlemmarna ges möjlighet att diskutera gemensamma intressen.

TMAS medlemmar verkar på en global marknad. De största marknader är Kina, Indien, Europa och Turkiet. Växande marknader är USA, Vietnam, Bangladesh, Indonesien. Algeriet, Egypten och Pakistan. Föreningen har under senare delen av 2019 fått två nya medlemmar: Coloreel och Imogo. Totalt har TMAS nu 11 medlemmar spridda utmed värdekedjan. Medlemsföretagens kunder är tillverkare inom trikså, konfektion och hemtextil, väverier, stickare, tillverkare av textilmaskiner och biltextiler, företag inom efterbehandling av textilier och tillverkare av tekniska textilier.

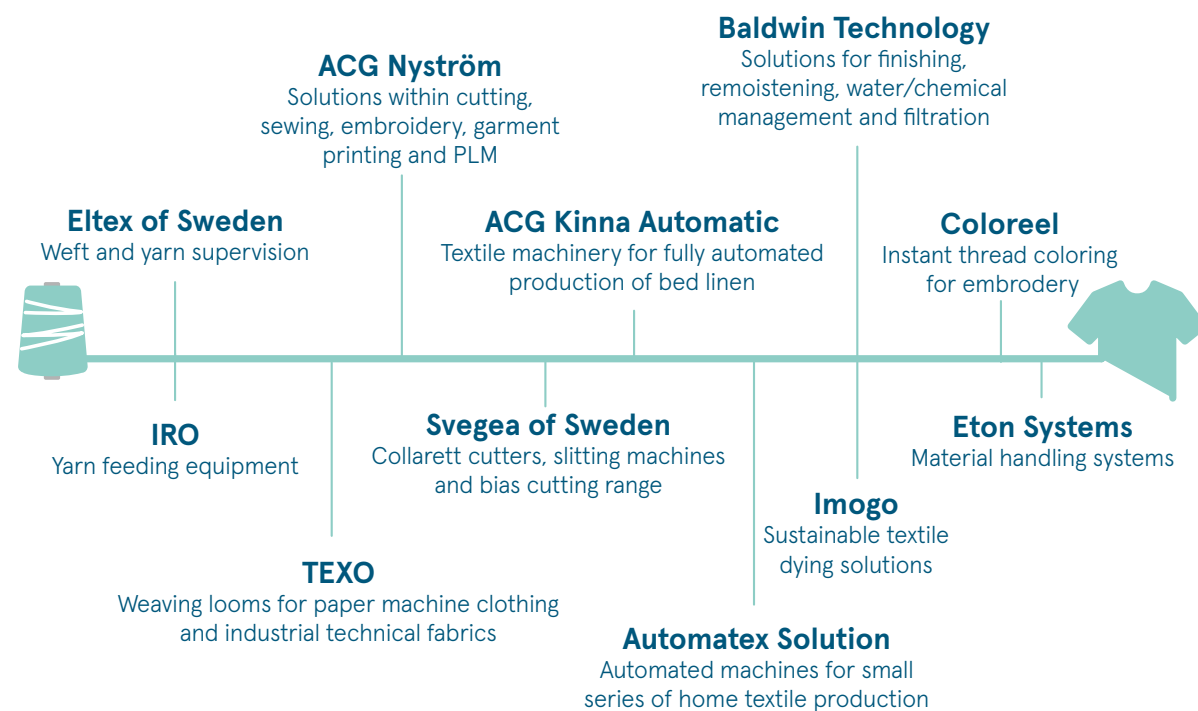
TMAS MÅL

- Skapa förutsättningar för långsiktig, hållbar tillväxt i branschen
- Stärka den svenska branschens röst gentemot kunder och andra organisationer
- Säkerställa fortbildning och kompetensförsörjning till textilmaskinbranschen
- Bidra till att göra textilmaskinbranschen till en attraktiv, modern och stolt bransch

VÅRA LEDORD

Innovation, kvalitet och passion

TMAS MEDLEMMAR



FOKUSOMRÅDEN

Föreningens medlemmar har identifierat områden som branschen skall arbeta med:

Nå ut till kund – affärsstödande aktiviteter

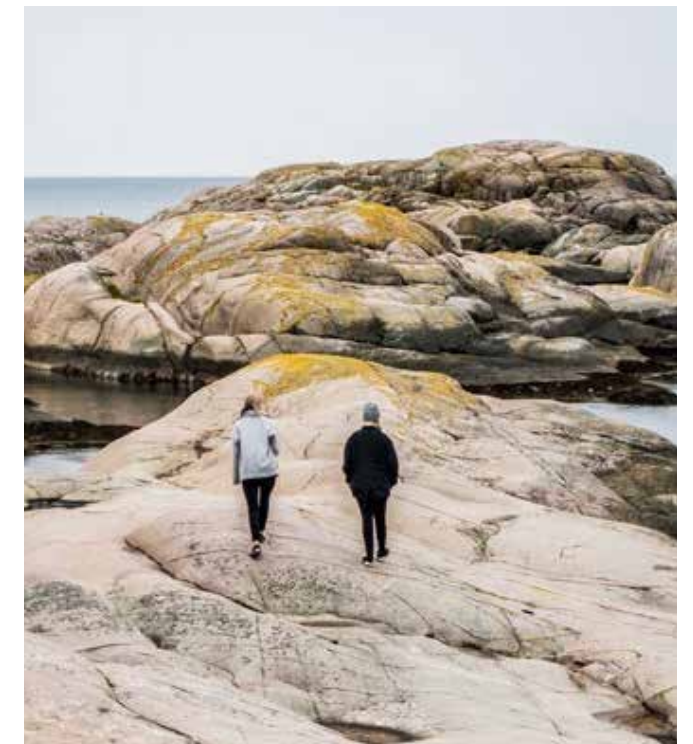
Syftet med aktiviteterna är att stötta medlemsföretagen att nå ut till kund och på så vis skapa bra förutsättningar för tillväxt och lönsamhet.

Kunskap och information om marknaden

Syftet med aktiviteterna är att göra information tillgänglig och öka medlemmarnas insikt om marknaden.

Kompetensförsörjning och utbildning

Syftet med aktiviteterna är att säkra kompetens bland medlemsföretagens anställda idag, men även att bidra till att säkra den framtida kompetensförsörjning i branschen.



ORGANISATION OCH ARBETSFÖRDELNING

Under året har fem styrelsemöten hållits, bolagsstämma i servicebolaget samt årsmöte och extra årsmöte i föreningen.

Föreningsmöte

Högsta beslutande organ. Utser styrelse.

Styrelse

Ansvar för löpande verksamhet. Alla medlemmar är representerade i föreningens styrelse.

Kansli

Administrerar föreningens verksamhet, genomför löpande verksamhet, företräder föreningen och utför service till medlemmarna. Kansliet arbetar på uppdrag av styrelsen och sammankallar och driver arbetsgrupper. Sedan föreningens grundande 1997 har TMAS kanslisamarbete med Teknikföretagens Branschgrupper där TMAS Generalsekreterare är anställd.

Arbetsgrupper

För projekt som beslutas av styrelse eller föreningsmöte kan uppdrag ges åt en grupp medlemsföretag att stötta kansliet i arbetet. Arbetsgrupper 2019: Kompetensförsörjning, Kommunikation, Vietnam, Young potentials / next generation, Social media.

TMAS Styrelse 2019

Mikael Äremann, IRO AB, Ordförande
Stefan Persson, ES Automatex Solution AB
Anders Svensson, Texo AB
Reimar Westerlind, ACG Nyström AB
Brian Hicks, Eltex of Sweden AB
Roger Rylén, Eton Systems AB
Christian Moore, ACG Kinna Automatic AB
Håkan Steene, Svegea of Sweden AB
Eric Norling, Baldwin Jimex AB

AKTIVITETER 2019

Satsning på extern kommunikation

Arbetet med att skapa kännedom om TMAS och medlemsföretagen inleddes 2018 och har fortsatt under 2019. Kännedomen byggs genom PR och digitala kanaler och den stora satsningen skedde inför ITMA i juni 2019. Kommunikationen skall bidra till ökad försäljning, lönsamhet och tillväxt men också hjälpa branschen att attrahera och bibehålla medarbetare.

Sociala kanaler

Då arbetet med sociala kanaler inleddes hade TMAS ett fåtal följare i sociala kanaler. Vid årets slut hade föreningen nästan 500 följare på Facebook, 250 på Instagram och 300 följare på LinkedIn. Med 60 000 interaktioner och över 2 100 vidareklick till hemsidan, har vi fått ut mycket av kanalerna under kort tid och med begränsad budget. Under året har föreningen haft kvartalsvis coaching av en extern konsult. Kunskaperna har delats i arbetsgruppen för social media och på så vis kommit alla medlemsföretagen till gagn. Detta har varit mycket uppskattat.

 @TMASswedishtextilemachinery

 @tmas_swedishtextilemachinery

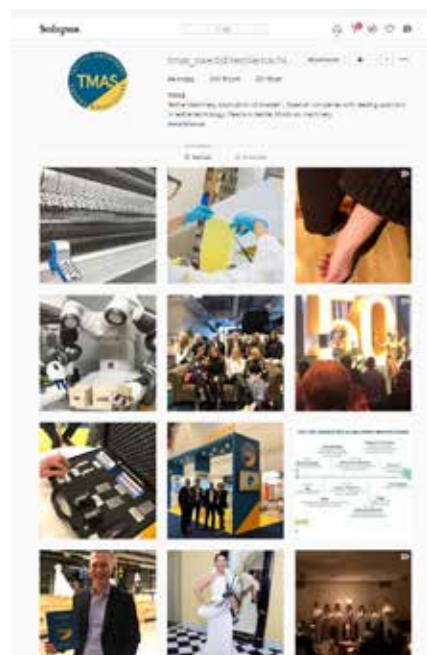
 www.linkedin.com/company/tmas/



PR-samarbetet ledde till flera artiklar i branschpress, här en intervju i ITMA daily i samband med ITMA 2019.

PR - Samarbete med journalist

Kansliet inledde i januari ett samarbete med en brittisk journalist, som sedan många år är verksam i industrin. Avsikten var att få fram bra underlag för fackpress vilka också skulle kunna användas av medlemsföretagen, på TMAS hemsida och sociala kanaler. Under perioden jan-juli 2019 skickade föreningen ut tio pressreleaser och medverkade i tio-talet intervjuer. Våra insatser på PR området under perioden resulterade i över 90 publiceringar i internationell branschpress, både digitalt och i tryck. Flera av medlemsföretagen rapporterar om leads-förfrågningar kopplade till den ökade synligheten.



TMAS arbetar med Facebook, Instagram och LinkedIn där medlemmar och andra intressenter kan hitta information och interagera med föreningen.

ITMA 2019 I BARCELONA

TMAS är tillsammans med åtta andra europeiska branschorganisationer delägare i den största mässan för textilmaskiner: ITMA. 2019 gick mässan i Barcelona och blev en stor succé med 120.000 besökare och 1.600 utställare. Sverige hade rekordmånga utställare: nio totalt, varav åtta medlemmar. Kansliet deltar i planering av mässan tillsammans med de andra nationella föreningarna och organisatören. Kansliet ansvarar också för att marknadsföra mässan mot svenska besökare vilket bla har gjorts tillsammans med TEKO. TMAS och TEKO organiserade också en svensk delegationsresa och ett mycket uppskattat svenskt mingel i ACG Kinnas monter (ca 70 personer deltog). Kansliet har även arbetat för att synliggöra svensk textilkompetens genom att rekrytera Lisa Bauer Swerea IVF till juryn för ITMA Speakers Plattform samt flera svenska talare till samma plattform. Kansliet supporterar alltid utställande svenska företag inför och under

mässan. Under 2019 har även stort arbete lagts på att marknadsföra TMAS medlemmar inför och på mässan, se avsnitt extern kommunikation, PR och social media. Detta resulterade i hög synlighet för TMAS medlemmar i ITMA Daily Magazine och ITMA TV. För att dokumentera och marknadsföra medlemmarnas närvaro och maskiner anlätade TMAS också en fotograf och en filmare under mässan. Kansliet jobbar nu vidare tillsammans med organisatör och övriga nationella branschorganisationer med uppföljning, utvärdering och förbättringar inför ITMA 2023.



tmas.se

Vi har under året fortsatt utveckla tmas.se till en plattform som informerar och slussar besökare vidare till medlemsföretagen. Besöksstatistiken visar att satsningen på extern kommunikation resulterade i ökat antal besökare till hemsidan. Totalt hade vi 2019 ca 7 500 besökare. Besökarna kommer främst från Turkiet, Indien, USA, Bangladesh, Brasilien, Portugal och Pakistan, vilka är några av våra viktigaste och växande marknader. Under året har medlemsföretagens "egna sidor" förbättrats och vi har kompletterat siten med karriärsidor för att visa upp branschen för unga.



Under 2019 har utvecklingen av TMAS hemsida fortsatt med bland annat nya karriärsidor.

Engagemang i Cematex

TMAS är sedan många år medlem i europaföreningen för textilmaskinbyggare: Cematex. Detta samarbete och länkade aktiviteter prioriteras högt av kansliet. Vårt engagemang i ITMA bygger på samarbetet i Cematex, men nätverket och möjligheten att driva frågor gemensamt är också viktigt. Under året har kansliet medverkat i sex möten och TMAS var representerad med två delegater, ordförande och generalsekreterare under Cematex General Assembly i Hamburg i September.

Avveckla projekt i Vietnam

Under året har vi valt att avveckla samarbetet med en extern konsult i Vietnam. Projektet har pågått i två år och syftat till att öppna marknaden och generera leads till medlemsföretagen. Några av medlemsföretagen har valt att fortsätta samarbetet med konsulten i egen regi.

Förberedelse för lokala mässor

Under året beslutades att TMAS skall erbjuda sina medlemmar att delta i gemensam TMAS monter på två lokala mässor; Heimtextile, Frankfurt, januari 2020

och Febratex, Blumenau, augusti 2020. Under hösten har kansliet bokat ytor, utvecklat monterkoncept och planerat marknadsföring. Mässorna ses som piloter och medlemmarna erbjuds kraftigt rabatterat deltagande.

Möjlighet att visa upp maskiner i TFC

Under året har föreningen tittat på att ha en permanent utställning i Textile Fashion Center (TFC) som visar den textila värdekedjan med medlemmarnas produkter. På detta sätt vill man öka kännedomen om företagen och bidra till undervisning. Vi har kommit fram till att bäst möjlighet ges i DOTANK Center, en del av Science Park Borås Innovationsmiljö. Flera av medlemmarna har redan produkter i lokalen, som används för att öka kunskapen kring cirkulära modeller inom textil.

Omvärldsbevakning och nyhetsbrev

TMAS kansli bedriver löpande omvärldsbevakning, bevakar branschrapporter och distribuerar relevanta nyheter. Under året har fyra nyhetsbrev skickats ut. Nyhetsbrevet fick också ett ansiktslyft och distributionslistan har setts över så att en bredare grupp inom föreningen nås.

Resor och studiebesök

I samband med vårmötet ordnades en resa till medlemsföretagets Eltex anläggning i Dublin. Förutom möten gavs tillfälle till nätverkande, inblick i irländsk kultur och presentation av Eltex verksamhet. I samband med höstmötet gjordes studiebesök på XM Reality. Medlemmarna gavs möjlighet att testa remote guidance AR, dvs teknik för underhåll/service av maskiner på distans.



Anders Svensson, Texo, testar att bygga ihop en adventsljusstake med remot guidance.



För att öka kännedomen om medlemmarna, industrin och karriärmöjligheter deltog TMAS för första gången i arbetsmarknadsdagar 2019. TMAS monter lockade ca 200 elever under STARK-dagen på Borås Högskola och Framtidsdagen på Viskastrands Gymnasieskola. Vi visade på karriärvägar, textilmaskiner, slutprodukter och informerade om medlemsföretagen. Eleverna kunde delta i tävlingar och vinna priser genom aktiviteter i TMAS monter och sociala kanaler. I samband med detta togs monter- och informationsmaterial fram anpassat efter målgruppen. Eleverna visade stort engagemang och det var hög aktivitetsnivå i montern. Föreningen kommer att fortsätta arbeta med riktade aktivitet mot skolor när tillfälle ges.

Utbildning i Incoterms 2020

Ett tjugotal personer deltog i den utbildning som TMAS arrangerade i Borås med anledning av uppdateringen av Incoterms. Vi tillfället bjöds deltagarna även på en guidad tur i DOTANK Center. Utbildningen var mycket uppskattad.

Utbildning i social media & filmning

Föreningen genomförde en workshop samt en utbildning i social media under 2019. I princip alla medlemmar var representerade. Deltagarna gavs möjlighet att dela utmaningar, erfarenheter, lära sig om kanalval, innehåll, annonsering och uppföljning. Vidare gavs medlemmarna möjlighet att bidra med synpunkter kring hur föreningen bör arbeta med kanalerna. TMAS ordnade även en utbildning i att göra film för social media. Tretton personer deltog i utbildningen som varvade teori med praktiska övningar.

Representation i Nordiska Textilakademien

Kansliet har under året deltagit i ledningsgrupper för två utbildningar på Nordiska Textil Akademien i Borås: Kvalitet och Produktion samt Säljare Textil.



Utbildning i Incoterms 2020 i december 2020.



På utbildningen i social media och filmning fick deltagarna flera möjligheter att praktiskt prova på kursmomenten.

TMAS PRESSRELEASER 2019

Under året har Textile Machinery Association distribuerat en rad pressreleaser i syfte att öka kännedomen om föreningen och våra medlemmar. Informationen har publicerats i internationell branschpress och i sociala kanaler. På följandet sidor återfinns ett urval av dessa releaser.



SNITTKONSUMTION PÅ 15 KG TEXTIL PER PERSON OCH ÅR LEDER TILL ÖKAD EFTERFRÅGAN PÅ KOMPETENS INOM TEXTILMASKINER.

De närmast åren behöver tillverkare av textilmaskiner i Sjuhäradstrakten anställa närmare etthundra personer. Få känner dock till företagen och möjligheterna. Det leder till att dessa företag har svårt att rekrytera nya talanger. Nu vill branschorganisationen för svenska textilmaskinproducenter ändra på detta genom medverkan i lokala arbetsmarknadsdagar.

Få tänker på de maskiner och den teknologi som ligger bakom tex produktionen av en skjorta, säger Therese Premler-Andersson Generalsekreterare på TMAS, branschorganisationen för svenska textilmaskintillverkare, t.ex. tillverkas ca 70% av världens jeans med hjälp av svensk maskinteknik.

Utmaningen är att få känner till att det finns flera världsledande maskintillverkare inom textilområdet i Sjuhäradstrakten. Till detta kommer det faktum att flera av företagen står inför ett generationsskifte.

Vi upplever inte att unga känner till branschen eller bedömer den som utdöd. Det leder till problem med nyrekrytering och kompetensförsörjning för dessa internationella high-tech företag, fortsätter Therese.

De närmaste fem åren behöver våra medlemmar rekrytera ca etthundra personer. Det man söker är kompetenser inom utveckling, produktion, försäljning och service, säger Mikael Äremann, VD på Ulricehamn-baserade företaget IRO AB och styrelseordförande i TMAS.

Tillverkningen av textilier sker över hela världen och ställer höga krav på maskininnovation, kvalitet och effektivitet. Digitalisering, automation och hållbarhet står högt på agendan. För att råda bot på okunskapen har nu företagen bestämt sig för att medverka vid ett antal arbetsmarknadsdagar både på högskola och gymnasienivå i Sjuhäradstrakten. Först på tur står STARK-dagen som anordnas av Borås Högskola den 30-31 januari.

En karriär hos någon av våra medlemsföretag innebär en brant inlärningskurva i internationell high-techmiljö, menar Mikael Äremann. Vi ser fram emot att träffa studenter för att berätta mer om de möjligheter som finns, avslutar han.

PRESSRELEASE 190128



INDUSTRY 4.0: FROM BALE TO BOX

ACG Kinna Automatic attracted considerable crowds to its stand at the recent Hemitextil home textiles exhibition in Frankfurt.

The company, which is based in Skene in Sweden, provided dramatic live demonstrations of its new robotic pillow filling system which has the ability to fill and finish some 3,840 pillows per eight-hour shift. This is a considerable improvement on what is currently possible with either manual or semi-automatic systems, resulting in significant savings in both labour and energy for busy home textile businesses.

The new robotic pillow filling system has the ability to fill and finish some 3,840 pillows per eight-hour shift.

The technology is based on two robotic arms from Japan's Fanuc – the world's biggest robotics brand – which have been specially modified by ACG Kinna with advanced gripping tools and seaming and labelling devices.

The pillows are automatically sealed with either single or double lockstitch seams and labels can be attached without interrupting the flow of the system.

“There has been much talk about the potential of Industry 4.0 enabled by advanced software and now I believe we are at the forefront of pioneering it,” said 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, this system is now fully available for commercial shipment and the line that we demonstrated at Heimtextil was quickly sold.”

ACG Kinna, Borsoi and CCS are pooling their know-how for the provision of completely automated lines under the motto ‘From Bale to Box’.

ACG Kinna is teaming up with fellow specialist in filling systems Borsoi, of Vittorio Veneto, Italy, and carding supplier CCS (Card Clothing and Services), of Huntley, Illinois, USA, for the provision of completely automated lines under the motto ‘From the Bale to the Box’. The three companies are combining more than 150 years of textile machinery know-how into fully-engineered automated solutions for pillows, quilts and mattress pad production.

Founded 1977, ACG Kinna Automatic specialises in customised and cost-efficient solutions for the

production of pillows and quilts. All of its design, manufacturing and final line testing is still carried out in Sweden and the reliability and longevity of its machines has earned it the trust of the world's largest furniture and home decoration retailer and Europe's largest manufacturer of pillows and duvets, among many customers.

As a member of TMAS – the textile machinery association of Sweden – ACG Kinna Automatic will be carrying out further demonstration of its robotic pillow filling system and other automation solutions at ITMA 2019 in Barcelona this June.

“Sweden's long tradition and history of textile production, combined with a good climate for innovation, brings many benefits,” says TMAS Secretary General Therese Premler-Andersson. “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. There will be many more innovations on show from our members at ITMA 2019.”

PRESSRELEASE 190306



TAKING QUALITY TO THE NEXT LEVEL FOR TUFTERS

Beta testing of the latest advanced version of the Eltex EYE yarn fault detection system for tufting machines is currently underway at the plant of a major high end carpet manufacturer in the USA.

“Such companies are typically manufacturing very expensive carpets made in a myriad of patterns and if faults are allowed to occur they can be very expensive to mend,” says Brian Hicks, managing director of Eltex of Sweden, the developer of the technology. “If all goes to plan – and all the testing results are very exciting so far – we will be unveiling the latest version of the Eltex EYE at ITMA 2019 in Barcelona, Spain, from June 20-26th.”

The latest advanced tufting machines, he explains, put significant limitations on the space that is available for yarn fault detection systems, and the Eltex EYE is very comprehensive, with each yarn individually controlled for a 100% detection of every tufting yarn break and end out.

“Unlike scanning inspection systems, we are monitoring each individual yarn position in real time,” says Mr Hicks. “As a consequence, we have concentrated on the further miniaturisation of our sensors. Our sensors are usually fitted between the feed rollers and the needles and based on the well proven piezoelectric principle. Their special compact design already enables them to be fitted on machines with gauges as dense as a tenth of an inch.” All of the data from the sensors is processed by a master control unit which provides stop and warning light indications to the extremely user-friendly operator terminal in response to any detected yarn fault.

Trans-Atlantic service

Eltex reports major gains with its first generation Eltex EYE in the carpet and artificial grass manufacturing sectors in recent years.

“We have been cementing our position in this industry over the past few years and I believe that the system we introduce at ITMA 2019 will take yarn fault detection to a whole new level of security and quality assurance for tufters,” Mr Hicks says.

The USA remains the world's epicentre for carpet tufting and Eltex customers are served there from the company's wholly-owned subsidiary in South Carolina. Western Europe, however, still has a strong manufacturing base, particularly in Belgium, Denmark, Germany, the Netherlands and the UK,

while Turkey dominates in woven carpets. With its research and development work primarily carried out at its headquarters in Osby, Sweden, the company's manufacturing plant 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 innovations of Eltex solve customer problems in real time, with a direct impact on operational costs,” says TMAS Secretary General Therese Premler-Andersson. “The Eltex case perfectly illustrates the strong customer focus of Swedish textile machinery producers, combined with their long experience and drive to innovate. There will be many more innovations on show from our members at ITMA 2019.”

PRESSRELEASE 190319

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 partnership. 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.

Options for smart factories

Eton’s Flexible Productivity Concept (FPC) is based on two system platforms with a wide range of options, including:

- Multiple rails for sorting at workstations.
- Buffering
- Automatic loading devices, pick-ups and work delivery robots.
- Bridges and elevators that link systems and floors.
- Historical links to products after completion.
- Module-based software.

Via an addressable product carrier, an Eton system transports all the components of a complete product through the manufacturing process.

“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.

“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 Premler-Andersson. “There will be many more innovations on show from our members at ITMA 2019.”

PRESSRELEASE 190327



SVENSKA TEXTILMASKINBYGGGARE PÅ FRAMTIDSMÄSSA

Den 22 mars öppnade Viskastrandsgymnasiet upp dörrarna för att bjuda in utbildningsanordnare, viktiga myndigheter, arbetsgivare och branscher till en Framtidsmässa för sina elever. Målsättningen är att para ihop elever med potentiella arbetsgivare och visa på möjliga karriärvägar. TMAS var där med representanter från ett antal medlemsföretag.

De närmast åren behöver tillverkare av textilmaskiner i Sjuhäradstrakten anställa närmare etthundra personer. Få känner dock till företagen och möjligheterna. Det leder till att dessa företag har svårt att rekrytera nya talanger. Genom att medverka i lokala arbetsmarknadsdagar som Framtidsmässan vill branschorganisationen för svenska textilmaskinproducenter ändra på detta.

Få tänker på de maskiner och den teknologi som ligger bakom tex produktionen av en skjorta, säger Therese Premler-Andersson Generalsekreterare på TMAS, branschorganisationen för svenska textilmaskintillverkare, t.ex. tillverkas ca 70% av världens jeans med hjälp av svensk maskinteknik.

Utmaningen är att få känna till att det finns flera världsledande maskintillverkare inom textilområdet i Sjuhäradstrakten. Till detta kommer det faktum att flera av företagen står inför ett generationsskifte.

Vi upplever inte att unga känner till branschen eller bedömer den som utdöd. Det leder till problem med nyrekrytering och kompetensförsörjning för dessa internationella high-tech företag, fortsätter Therese.

På Framtidsmässan fick vi chansen att prata med studenter och visa upp företagen och tekniken. De närmaste fem åren behöver våra medlemmar rekrytera närmare etthundra personer. Det man söker är kompetenser inom utveckling, produktion, försäljning och service, säger Mikael Åremann, VD på Ulricehamn-baserade företaget IRO AB och styrelseordförande i TMAS.

Tillverkningen av textilier sker över hela världen och ställer höga krav på maskininnovation, kvalitet och effektivitet. Digitalisering, automation och hållbarhet står högt på agendan.

En karriär hos någon av våra medlemsföretag innebär en brant inlärningskurva i internationell high-techmiljö, menar Mikael Åremann.

PRESSRELEASE 190329



“HALF THE WORLD’S PAPER PASSES OVER FABRICS MADE ON OUR MACHINES...”

Ahead of ITMA 2019 in Barcelona this June, Texo AB, a member of TMAS, the Swedish textile machinery association, reports a surge in demand for its specialised weaving machines for the production of paper machine clothing (PMC).



“Rather surprisingly, given that China is now by far our biggest single market and the paper manufacturing industry has been gradually consolidating in Asia, we currently have new orders from both long-established North American and European customers,” says Texo President Anders Svensson. “The current global political tensions in combination with insourcing to Europe and North America have been important factors for these projects and I’m sure the environmental benefit of significantly reducing transportation played a part too.”

The paper industry

Despite the on-going Digital Age, it’s estimated that there are still approximately 7,000 paper machines operating worldwide, the most modern of which can run at approaching 2,000 metres a minute.

These machines are responsible for manufacturing over 400 million tons of paper each year, in thousands of separate grades of paper, paperboard and tissue.

All paper manufacturing machines require a regular supply of PMC, which as large continuous engineered

fabrics, carry the paper stock through each stage of the paper production process. With technologically sophisticated designs, they employ fibres and other polymeric materials in complex structures and each paper machine has an average of ten separate fabrics installed on it.

Although the PMC business represents just a small proportion of the total cost of manufacturing paper, it can have a significant impact on the quality of the paper, the efficiency of a machine and machine production rates.

Yet due to many years of contraction and consolidation, only a handful of companies are now manufacturing PMC globally – and there are even fewer suppliers of the advanced technology for making them.

“I find it quite staggering to consider that of all the paper that’s in the world today – and just think for a moment how much that actually is – around half of it has passed over fabrics manufactured on our machines,” says Svensson.

Applications

Principal products in the PMC segment include forming, pressing and dryer fabrics, all of which convert the initially wet mass of fibres through the paper machine as water is progressively squeezed out of it, ensuring it is held in place and air can be effectively blown through it at the dryer stage, to ensure a regular shape and extremely even surfaces.

PMC products can be up to 140 metres long and in the past have been made in extremely wide widths – the largest weaving loom manufactured by Texo had a working width of 31 metres.

Nowadays, however, due to advanced seaming technology, such extreme widths are not necessary. Nevertheless, Texo’s PMC weaving machines are still generally supplied today in working widths of between five and 20 metres.

The company’s TCR loom has been specifically developed for the production of very fine and tough forming fabrics where the highest quality is critical.

The FSX model is designed for the production of both forming fabrics based on medium-to-coarse yarns as well as press felt base fabrics, while the TMR is an extra heavy high-speed loom developed for both forming and dryer fabrics, as well as industrial fabrics such as filter materials employed in applications such as dewatering in the mining industry.

All of these looms are characterised by advanced features based on Texo’s over 60 years of know-how and constant development, including the company’s proven Pozi Grip rapier insertion system, Disco dobbie unit, LoCoMo control system and TDD direct drive.

At ITMA 2019, however, Texo will be showcasing a section of one of its latest models with a more traditional cam drive, for which there is still market demand.

“We introduced the first weaving loom with an electronic drive for this industry over a decade ago and it’s been very successful, but there are still some companies who want to go the traditional way,” Svensson explains. “At ITMA we will be emphasising the fact that we have all alternatives available.”

TMAS companies will have a significant presence at the Barcelona show, where their emphasis will be on the latest automation concepts and the use of advanced sensor systems for enhanced and more resource-efficient manufacturing, according to TMAS Secretary General Therese Premler-Andersson.

“It’s ironic that while TMAS member companies are very much involved in accelerating Industry 4.0 concepts, their technologies continue to be crucial across many traditional industries such as paper making, where the use of technical textiles is perhaps not so widely appreciated,” she observes. “This is just one example of the huge and sometimes unexpected number of end-use markets served by our members as they have diversified from conventional textile technologies over many years.”

PRESSRELEASE 190416

KEEPING ON AN EVEN CREEL WITH THE ELTEX EYETM

Eltex of Sweden will introduce a yarn tension monitoring system for woven fabrics with a big difference 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 EyETM 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 EyETM 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.”

PRESSRELEASE 190502

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.

“We are immensely proud to launch the TexCoat G4 at ITMA 2019,” said Eric Norling, Vice President Precision Application Segment, Baldwin Technology. “This is an opportunity to experience an innovation that drastically improves both the process and product quality, while saving time, valuable resources and contributing to a sustainable future.”

The non-contact spray technology brings numerous advantages compared to conventional methods of applying finishing chemistry. The chemistry is uniformly distributed across the textile surface and is applied only where it is required – on one or both sides of the fabric. This is highly beneficial e.g. when applying water repellants on laminated fabrics, as it eliminates the problem of chemistry affecting the quality of the adhesion layer. Furthermore, the non-contact technology eliminates chemistry dilution in wet-on-wet processes, allowing full control of maintaining consistent chemistry coverage rates. Additionally, with no bath contamination during the finishing process, there is zero downtime during colour or fabric changeovers.

The TexCoat G4 significantly improves sustainability, leading to increased profitability. 100% of the over sprayed chemistry is recycled and 0% chemistry is wasted during changeovers of chemistry, colour or

fabric. As only the necessary amount of chemistry is applied to the fabric, a reduced wet pick-up level of 50% can be achieved, further leading to a 50% reduction of water and energy consumption. The low wet pick-up levels together with a single side spray application enable combined processes and can completely eliminate drying steps, e.g. for laminated fabrics and in the finishing of upholstery textiles.

“One of the biggest challenges facing the textile finishing industry is the environmental impact in terms of energy, chemical and water consumption, with continuously increasing environmental legislations and consumer demands to meet,” said Norling. “Since the TexCoat G4 reduces both water and energy consumption and has zero chemistry waste in changeovers, a significantly more sustainable finishing process is achieved.”

The TexCoat G4 offers the possibility of unprecedented tracking and control of the finishing process to secure a consistent quality. Changeovers are easily and quickly performed thanks to the recipe management including automated chemistry and coverage selection. Furthermore, the system offers automated speed tracking, fabric width compensation, real-time monitoring possibilities to track system uptime, performance, and chemistry usage, as well as active care alerts.

The TexCoat G4 can process a wide range of low-viscosity water-based chemicals, such as water-repellants, softeners, anti-microbials and more, in wet-on-wet applications and lamination processes. Additionally, the system is completely sealed, encapsulating all aerosols and thereby securing a healthy working environment for the operator.

Baldwin Jimek AB is a member of TMAS, the Swedish textile machinery association which will have a significant presence at ITMA 2019 in Barcelona.

“We’re all very excited about the introduction of the Texcoat G4 because it’s not often that an entirely new technology comes along in such a traditional field,” says TMAS Secretary General Therese Premler-Andersson. “Baldwin’s latest technology has the potential to have a huge impact on the sustainable credentials of the textile finishing industry.”

PRESSRELEASE: 190515



ARVILLE AND SVEGEA – FINDING NEW ANGLES ON WHAT TECHNICAL TEXTILES CAN DO

Arville Textiles has recently taken delivery of a new wide-width bias cutting and winding line in order to meet the demand for advanced technical textiles that are employed in a range of components by the aerospace and automotive industries.

The line is being supplied by Svegea of Sweden, a member of TMAS, the Swedish textile machinery association.

Bespoke products

Privately-owned Arville, which is headquartered in Wetherby, West Yorkshire, UK, is currently going from strength-to-strength in the supply of bespoke products for specialised markets, based on its long-standing and highly-integrated expertise in design, circular and flat weaving, coating and fabrication, at five plants in the north of England.

“We have achieved a 30% increase in turnover over the past three years and we are on track to achieve a further 10% growth this year, despite the uncertainty that Brexit is causing for us here in the UK,” says Arville’s head of marketing Andy Smith. “We are building on this success with a solid investment programme that has seen the installation of new weaving looms, warping equipment and a new finishing stenter, as well as the new bias cutting and winding line from Svegea.”

Originally founded back in the 1950s as a weaver of heavyweight cotton fabrics for uniforms for the

public transport services industries in the UK, Arville has been training its focus on niche and highly-specialised technical textile applications since the advent of synthetic fibres.

Today, it supplies bespoke fabrics to over 50 countries, with its major customers involved in manufacturing high performance products and components for the aerospace, automotive, medical, filtration, personal protection and industrial sectors.

“Our approach is always to determine exactly what customers require in terms of performance and function, by exploring all the potential parameters in respect of weight, tensile strength, chemical and thermal resistance etc.,” says Smith.

“The aim is to design something that meets the customer’s needs exactly. We enjoy a challenge so the more complex and demanding it needs to be, the more we can leverage our technical expertise. We cast a very exacting eye over the manufacturing process, ensuring that ISO processes are applied throughout, with stringent quality assurance checks to back this up. Our integrated approach of design, weaving, coating and fabrication makes us unique in the UK.”

From apparel to technical

By coincidence, Svegea of Sweden was founded around the same time as Arville, and now has over 60 years of experience in exclusively designing, manufacturing and installing the highest quality collarete and band cutting machines, as well as other specialised systems such as the new installation at Arville.

Svegea’s cutting machines have traditionally been employed to make components for apparel such as waistbands, cuff and neck tapes and other seam reinforcements, but increasingly, the emphasis has been on products for technical end-uses.

The special bias cutting machine which is being installed at Arville is based on an ingenious system in which circular woven materials are fed to the cutter via a revolving winder and slit at angles, so that both the warp and weft of the weave are skewed at specified angles rather than just in the vertical and horizontal directions, as is usual.

This allows the slit fabrics to drape and form much more easily to the complex shapes of components such as circular rubber hoses and special diaphragms and seals which are employed in the aerospace and automotive industries, and for which they act as critical reinforcements.

“Our ability to produce tubular fabric which is cut on the bias allows us to provide textiles which not only have improved drape and elasticity properties for complex and intricate shapes, but also offers ways to reduce our customers’ production costs by eliminating unnecessary wastage from the manufacturing process,” says Andy Smith. “Pre-cutting the fabric to a specific bias reduces extra handling of the fabric in further processes, saving our customers both valuable production time and costs.”

“This is a much bigger and wider bias cutter than we usually supply, but it’s a good example of the number of specialised machines we are now installing in Europe where we are definitely experiencing a boom,” adds Hakan Steene, managing director of Svegea of Sweden. “Even in our traditional area of collarete machines for apparel making up, Industry 4.0 is seeing new business arise in developed markets where for many years it has been uncompetitive.”

“Svegea continues to find major niche markets for its advanced cutting systems which go way beyond their original intended purpose,” says TMAS Secretary General Therese Premler-Andersson. “The company is a great example of the TMAS attitude of being always open to new ideas and applying fresh thinking based on many years of engineering know-how.”

PRESSRELEASE 190429

INNOVATE OR DIE: TMAS AT ITMA 2019

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.”



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 Rylén.

Sensors

Advanced sensor developments are playing a large part in moving many areas of the textile industry forward too.

Eltex of Sweden, for example, is achieving considerable success with its yarn fault detection and tension monitoring systems across a range of sectors, including the tufting of carpets, the creeling of woven materials and even the production of woven reinforcements for the composites industry.

“Unlike scanning inspection systems, we are monitoring each individual yarn position in real time,” says Eltex managing director Brian Hicks. “As a consequence, we have concentrated on the further miniaturisation of our sensors, as will be demonstrated at ITMA 2019.”

At successive ITMA shows, IRO AB has also consistently introduced new milestones in the field of yarn feeding technology for weaving machines, and ITMA 2019 will be no exception.

“Following significant investment in our R&D capabilities, we have been making great progress in further boosting the efficiency and performance of our expanding X3 range,” says IRO AB Managing Director and Chairman of TMAS Mikael Äremann. “I can’t remember a time since the 1980s when we had so many new innovations to unveil at an ITMA, and I’m greatly looking forward to the positive response to them we are anticipating in Barcelona this June.”

Resource savings

ITMA 2019 will meanwhile see the launch of TexCoat G4 – the next generation of Baldwin Technology’s non-contact precision application system for fabric finishing. The TexCoat G4 enables a continuously high-quality and productive textile finishing process with zero chemistry waste and minimised water and energy consumption.

The non-contact spray technology brings a range of advantages including single or double-sided application, the elimination of Foulard bath contamination, low wet pick-up levels leading to the elimination of drying steps, zero chemistry waste in changeovers of chemistry, colour or fabric, and the possibility of batch reporting, visibility of pad loading, chemical usage etc.

“We are immensely proud to be launching the TexCoat G4 at ITMA 2019,” says Eric Norling, Baldwin’s segment leader for precision application technology. “This is an opportunity to assess innovation-enhancing productivity, while saving valuable resources and contributing to a sustainable future. The TexCoat G4

can process a wide range of low-viscosity water-based chemicals, such as water-repellents, softeners, anti-microbial and more.”

Other TMAS companies exhibiting in Barcelona include Texo AB, whose wide-width weaving looms make the belts for machines on which half of the world’s paper is made, ES-Automatex, which specialises in bespoke automation concepts and Svegea, a company leading the field in a number colarett machines and cutting and slitting equipment.

“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 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.”

PRESSRELEASE 190507

The forward-looking attitude of the Swedish companies is perhaps best summed up by Reimar Westerlind, the owner, since 1961, of ACG Gruppen. At the age of 90, Reimar still travels to his office every day to oversee the operations of the diverse companies operating under the ACG umbrella.

“Everything now is about automation and digitisation,” he says. “We have to be on that track or we will be lost – innovate or die.”

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



Innovations from members of TMAS during ITMA 2019.



Ferran and Isabel Mataró of Comsat with Brian Hicks of Eltex at ITMA 2019 in Barcelona

COMSAT OPTS FOR THE ELTEX EYETM

COMSAT, headquartered in Barcelona, Spain, is equipping its latest Tecmat sectional warping machine for weaving preparation with the new Eltex EyETM yarn tension monitoring system.

Unlike yarn tension monitors that are fitted solely on the weft insertion systems of weaving machines, the new Eltex technology is 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 the Eltex EyETM keeps 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. “Tension monitoring for multiple ends has been a great challenge to achieve for us, but this new system generated tremendous interest at the recent ITMA 2019 textile machinery show and we already have systems in operation and orders on hand. The EyETM allows mills to greatly reduce problems.”

“With warping that can operate at high speeds, the yarn tension values from all yarns are continuously updated and displayed on the screen,” adds Isabel Mataró managing partner at family-owned COMSAT. “Tension values outside the warning level are indicated both on the sensor’s LEDs and on the screen. This greatly increases yarn evenness and subsequently the woven fabric quality. In addition to being fitted on our latest Tecmat machine, the Eltex EyETM can also be retrofitted to existing COMSAT machines already in operation.”

In business for over 70 years, COMSAT (Construcciones Mataró Servicios y Asistencia Técnica) is a specialist in textile machinery for

weaving preparation, including sectional warping machines and creels, auxiliary machinery, inspection machines, batching units and selvage warpers.

Eltex is headquartered in Osby, Sweden, where it primarily carries out its research and development work. A North American sales and service subsidiary operates from South Carolina and the company’s manufacturing plant has been located at Templemore in Ireland since 1977, 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.

“As far as sensors are concerned, Eltex of Sweden is achieving considerable success with its yarn fault detection and tension monitoring systems across a range of sectors, including the tufting of carpets, the creeling of woven materials and even the production of woven reinforcements for the composites industry,” said TMAS Secretary General Therese Premler-Andersson. “Unlike scanning inspection systems, Eltex is monitoring each individual yarn position in real time, and as a consequence has concentrated on the further miniaturisation of its sensors, as was conclusively demonstrated at ITMA 2019.”

PRESSRELEASE: 190703



PERFECT CONTROL OF THE WEFT AT ALL TIMES FROM IRO AB

Following significant investment in the R&D capabilities at its base in Ulricehamn, Sweden, IRO AB introduced a range of new Industry 4.0-ready weft yarn feeding and tension control innovations for weaving looms at the recent ITMA 2019 in Barcelona, Spain.

IRO AB, a Vandewiele company, has been the market leader in this field for many decades, supplying systems to the majority of the leading weaving machine manufacturers, as well as advanced new products for retrofitting to working mills around the world.

The new Blue11 EasySet airjet feeder for the latest Picanol OMNIPlus Summum airjet weaving machines, for example, allows the pick length of weft yarns to be set in millimetres from the loom panel at the start-up of a new style and to be fully adjusted while the machine is running. Automatic calculations and perfect synchronization between the spool body and the oscillating fingers of the Blue 11 result in reduced and simplified settings on the weaving machine.

The new PosiFlex weft tensioner system, meanwhile, is now an integral part of the Chrono X3 weft feeder and is currently available for use on Picanol OptiMax-i rapier machines. Allowing perfectly reproducible and transferable settings for complete weft insertion cycles, it is equipped with an integrated electromagnet controlling a specially-developed and self-cleaning flex brake which ensures the correct tension at all times.

In the field of advanced tension control, the constantly-regulating new ATC-W unit has been designed for use with Luna X3, Chrono X3 and XD

X3 weft feeders. It automatically maintains consistent yarn tension at a pre-determined level, unaffected by variable external factors such as bobbin size or yarn quality.

For X3 weft feeding systems, the TED is a new tension display unit that allows weft tension settings to be easily transferred from one machine to another, while the Wi-Feeder is a wireless access point for mobile phones, tablets and PCs allowing remote access to X3 feeders. The Wi-Feeder is a useful tool for troubleshooting and maintenance, providing easy access to key data during the weaving process.

The Super Elf S3 weft feeder for air and water-jet looms benefits from the latest optical sensor technology based on the principle of “signal reflection”, for reliable reading of very fine yarns down to 7 denier. It ensures accurate measurement of the weft insertion length, with a double check sensor for both Z and S winding directions. Real time control of the yarn take-off point by a reserve sensor ensures the yarn flight time is as fast and consistent as possible.

PRESSRELEASE: 190712

SWEDISH MACHINERY COMPANIES SEE MAJOR OPPORTUNITIES AT HEIMTEXTIL 2020

The decision by Messe Frankfurt, the organiser of the annual Heimtextil exhibition for home textiles, to significantly expand its focus on textile technologies in 2020, has received an extremely enthusiastic response from members of TMAS, the Swedish textile machinery manufacturers association.

“Heimtextil is already a huge show, having attracted well over three thousand visitors to Frankfurt in January this year, filling all twelve halls of the Messe Frankfurt fair grounds,” says TMAS Secretary General Therese Premler-Andersson. “The expansion of textile technologies at next January’s Heimtextil can only help further boost this international community of manufacturers and suppliers for the home textiles market at all levels, and naturally we want to be a part of it.”

Robotics

At Heimtextil 2019, TMAS member ACG Kinna Automatic generated a significant buzz with live demonstrations of its new robotic pillow filling system and will provide details of how it has been further developed over 2019, with several commercial systems now in place.

It 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 either manual or semi-automatic systems, resulting in significant savings in both labour and energy for busy home textile businesses.

“We believe many visitors to Heimtextil 2020 who saw the demonstration last year will be astonished to hear of the potential gains we are making,” says ACG Kinna CEO Christian Moore. “The use of robotics is now standard across many industries dealing in solid goods and the handling of soft materials such as textiles – while a little more complex – is next.”

Single-pass sheeting

Meanwhile, in the first quarter of 2020, Automatex ES, the specialist in automated cutting, sewing and folding equipment, is planning to launch another innovation in advanced manufacturing for the bedding industry.

“We have developed a new fitted sheet machine which is able to sew ninety-degree corners and the elastics simultaneously, in a single operation,” explains the company’s CEO Stefan Persson. “It’s a revolution

for the industry and we’re looking forward to telling visitors all about it.”

Debuts

Three further TMAS members will be exhibiting for the first time at a joint stand at the show. Central to the technologies of both IRO AB and Eltex is advanced sensor technology.

IRO AB has consistently introduced new milestones in the field of yarn feeding technology for weaving machines and at Heimtextil 2020 will be providing information on new introductions to its product range.

These include the ZTF Zero Twist Feeder which keeps yarns or fibre tows constantly stretched to avoid the risks of any snarls or twisting and the ATC-W advanced tension controller for constantly regulating weft feeders at high speeds.

Eltex is achieving considerable success with its yarn fault detection and tension monitoring systems across a range of sectors, including the tufting of carpets and the creeling of woven materials, but at Heimtextil 2020 the focus will be on its advanced systems for the sewn products sector, including the

UPG-Stitch thread break sensor, which is based on the piezoelectric principle and is suitable for all types of yarns while being insensitive to dust, dirt and humidity variations.

The Eltex thread sensor is meanwhile designed to monitor up to six intermittent running threads on automatic sewing machines. The eyelets are scanned electronically and it detects both broken and continuously moving threads, allowing yarn movement to be precisely monitored even at low yarn tension.

Unique bias cutting

Svegea of Sweden now has over 60 years of experience in exclusively designing, manufacturing and installing bespoke bias cutting, roll slitting and rewinding and inspection machines.

The company’s complete Bias System includes a tube sewing unit a bias cutter/winder for opening up previously-formed tube material – spirally on a bias – and strip cutter.

Circular woven materials are fed to the cutter via the revolving winder to be slit at angles, so that both the warp and weft of the weave are skewed at specified angles rather than just in the vertical and horizontal directions, as is usual.

This allows the slit fabrics to drape and form much more easily to complex shapes, with a range of potential applications in areas such as indoor and outdoor furniture, as well as bedding etc.

“The ability to produce tubular fabric which is cut on the bias allows our machine to provide textiles which not only have improved drape and elasticity properties

for complex and intricate shapes, but also eliminates unnecessary wastage from the manufacturing process,” says Svegea managing director Håkan Steene. “Pre-cutting the fabric to a specific bias reduces extra handling of the fabric in further processes, saving both production time and costs. We’re looking forward to discussing the system’s potential in the home textiles market at Heimtextil 2020.”

“For visitors to Heimtextil 2020, there is much more to discover about how Swedish textile machinery innovations can help in the production of high end fabrics for the home and we extend a warm invitation to all to visit us at stand E15 in Hall 11,” Therese Premler-Andersson concludes.

PRESSRELEASE: 191104





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Textile Machinery Association of Sweden

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