

Trevira impressed visitors with a brand new fair concept. The company worked together with sixteen of its biggest customers to create a joint booth covering 1,305 square metres, drawing a large crowd.

A Trevira exhibition formed the centerpiece of the joint booth, showcasing the winning fabrics from the 2018 Trevira CS Creativity Competition, which this year featured 'Colour' as its major theme. At the heart of the display, visitors could find out more about Trevira with the help of twelve tablets providing information in a variety of formats, including a staff presentation and a flyer about the new Trevira Sinfineco brand.

Another major section of the Trevira booth was dedicated to the world of acoustics. Increasingly, customers are (re) discovering textiles as a way to significantly improve the quality of room acoustics, and this part of the booth also attracted numerous visitors.

Ricoh to show new portfolio of machines at FESPA 2018

Ricoh, a leading provider of document management solutions, IT services, commercial and industrial printing, digital cameras, and industrial systems, will show its new machineries at FESPA global print expo 2018, an international event for screen, digital, and textile print, to be held from May 15 to 18, 2018, in Messe Berlin, Germany. The company will be using FESPA to highlight how its latest wave of innovations can help print providers profitably expand their services. The company will explore, with print and communications businesses, how to open new worlds of opportunity in the vibrant sign and display sector.

In five distinct areas, it will demonstrate the latest in flatbed, large format, direct-to-garment, sheet fed and inkjet printhead technologies.

An applications and software studio area, featuring a wide range of print examples from a host of Ricoh systems, will highlight further possibilities. It will also enable visitors to explore a broad spectrum of creative opportunities.

Graham Kennedy, head of commercial ink jet business, commercial and industrial printing group, Ricoh Europe said, "We're excited to present systems from across our continuously-expanding portfolio. From flatbed for decor and innovative cost-effective garment printing to large format and our own widely adopted technology inkjet print heads – we have solutions to address diverse challenges. Our specialists will be on hand to help visitors identify

revenue earning opportunities and talk through seamless integration that supports efficient and streamlined workflow."

Autoconer 6 with E3 winding machine more efficient

The Saurer Group, Switzerland's leading globally operating technology group focusing on machinery and components for yarn processing, has announced that its new Autoconer 6 winding machine with E3 certification, with optimum settings and latest equipment, is the most efficient and cost-effective automatic winding machine that is available in the market.

Comparative measurements in the package winding sector show that the Autoconer 6 is not only more productive than the competitors; it also consumes less energy and compressed air and uses the valuable raw material more sparingly.

In a spinning mill in India, two fully equipped and optimally adjusted latest-generation winding machines, the Autoconer 6 and a competitor's machine, were compared with one another. Over a period of one month, energy and compressed air consumption, yarn waste and production were continuously measured and the results averaged over the entire month. Both machines were used for winding under the same conditions (material: 100 per cent CO, Ne 40 with a winding speed of 1,600 m/min).

The Autoconer 6 is the leader in all measured values. Its production is 4 per cent higher than that of its competitor. It uses 3 per cent less energy and 13 per cent less compressed air. The yarn waste is also significantly lower. Here, the advantage in terms of economy is approximately 13 per cent.

Calculated over the year, the Autoconer 6 achieves a significantly higher return than the competition machine. The Autoconer 6 was developed from the outset with the aim of ensuring maximum productivity with the lowest possible consumption of resources.

Thanks to SmartCycle and a flow-optimised suction nozzle, the Autoconer 6 ensures an extremely efficient cycle process. This is why the intelligent 'Power on Demand' system makes it possible to apply the vacuum sparingly and in accordance with requirements.

To ensure that the full potential savings are exploited in daily practice, the Autoconer 6 can be optionally equipped with energy monitoring.

production of rubber and plastic products," he explained. In addition, according to the press secretary of the National Statistics Committee, the country also increased production of pharmaceutical products to 2.4 times, production of rubber and plastic products and other mineral products to 1.5 times, electrical equipment by 18%, wood and paper products, printing activity by 17.2%, as well as production of food products (including beverages) and tobacco products by 14%.

Asahi Kasei's Cupro fibre-made garments on display at PV

Asahi Kasei, a global Japanese chemical company, had announced that garments made from Cupro, a premium fiber and filament yarn, were on display at the Premiere Vision Paris expo. Premiere Vision Paris is one of the leading global events for fashion professionals.

Cupro is a matchless and original, new generation material made from the smart-tech transformation of a cotton linter, bio-utility waste, converted through a traceable and transparent process, representing a perfect circular economy fiber model since the beginning of its production.

The Cupro booth is showing a full range of lining fabrics made in multiple elegant colour combinations and designed for both formal and casual styles that include Brunello, Cervotessile, Gianni Crespi Foderami, Gi Tessil Foderami, Manifattura Pezzetti, Tessitura Marco Pastorelli, Tessitura Mauri, and Tmr Cederna Fodere.

The company was displaying its new collection by Filpucci, the high end knit leader. It uses the best high-tech, natural-based materials, such as Cupro, combined with Filpucci's dyeing & finishing expertise. The range includes eight new yarn styles, two of which are made in Cupro; CERA and GRACE.

Parka jackets made with Cupro filaments by Manifattura Ceccarelli, Italian outdoor wear company, is also displayed at the expo. The Goose Down Fisherman Parka, filled with goose feathers and lined with Cupro silk for functional reasons, with double-twisted cotton outer fabric, is part of the show.

Cupro and Roica by Asahi Kasei, in cooperation with Iluna and Infinity are showing the 'Smart Bucket Bag' as a special limited edition gift. In origin, this was a roomy bag shaped like a bucket taller than it is wide with a rounded bottom. It is made combining a luxurious Cupro fabric by Infinity with an Iluna stretch lace designed and produced with Roica Eco-Smart family of sustainable yarns.

Domotex launching U.S. floor coverings show next year

Trade fair will take place at Georgia World Congress Center in Atlanta

Hannover Fairs USA will debut Domotex USA with a focus on the American residential floor covering industry next winter in Atlanta.

The 2019 show will take place from Feb. 28 to March 2 at the Georgia World Congress Center.

Launched in 1988 in Hannover, Germany by Deutsche Messe, Domotex showcases floor coverings innovation. Domotex USA will consist of exhibition space, conferences and education, featuring flooring and flooring innovations in a three-day trade show.

Exhibitors will display the latest machine-made carpets, wall-to-wall carpeting, textile floor coverings, handmade rugs, resilient floor coverings, design flooring /luxury vinyl tile (LVT) and laminate flooring, parquet and wood flooring, as well as application and installation technologies designed for the residential flooring marketplace.

"Many industry representatives have been asking us for years to launch the Domotex brand in the North American market, as there has not been a flooring trade fair in the Eastern U.S. that demonstrates the quality and breadth of the world's leading carpet and flooring show, the DOMOTEX Hannover," said Dr. Andreas Gruchow, member of the management board at Deutsche Messe AG, Hanover.

"In addition, given the strong economy in the U.S., much is being invested in commercial real estate such as offices, hotels and shops. The number of residential properties is also growing considerably. These are good conditions for the sale of floor coverings in the United States," he added.

Domotex will target North American-based wholesalers and retailers of carpets, floor coverings, wood flooring, LVT and other innovative flooring products for flooring retailers, home builders, developers, floor installers and home improvement & buying groups. The trade fair will be organized and managed by Hannover Fairs USA, the U.S. subsidiary of DeutscheMesse.

Trevira partakes successfully in Heimtextil 2018

Trevira, an European manufacturer of high-value branded fibres and filament yarns for technical applications and hygiene products as well as for home textiles, automotive interiors, and functional apparel, recently participated in Heimtextil 2018, an expo for home and contract textiles, which was held from January 9 to 12, 2018, in Frankfurt.

Tintex to introduce new fabric range at Premiere Vision

Portuguese knitted fabrics producer Tintex introduced a new fabric range from the naturally advanced cotton at Premiere Vision Paris February 13. This new range will offer an advanced smart choice of three different premium and responsible advanced cotton solutions such as Ecotec by Marchi & Fildi, GOTS certified organic cotton and Supima.

These new fabrics maintain and upgrade the transparent, hi-tech and sustainable organics. They represent better, smarter eco-materials with new levels of performance and hi-tech smarts. These fabrics incorporate specialist dyeing and finishing techniques, coatings and applications that use the latest research, equipment and processes to deliver it.

“This new launch is confirming once more the commitment of Tintex to its naturally advanced position meaning advancing beautiful, organic and natural materials to the next level combined with unique, hybrid nature-tech smarts. It adds value and creativity, with the dedicated investments that serve and secure our customer’s demands both now and in the seasons to come,” said CEO Mario Jorge Silva.

The naturally advanced cotton collection by Tintex: Ecotec by Marchi & Fildi, is a range of full-colour yarns, smarter cotton made from pre-consumer clippings that save up to 77.9 per cent water during manufacturing. GOTS Organic Cotton is the most important standard for sustainable production of garments and natural fiber textile products from organic farming such as organic cotton. Tintex will offer 100 per cent Supima precious fabrics and blends with tencel at the fashion event. In addition to this, Tintex has also partnered with Better Cotton Initiative (BCI) a not-for-profit organisation that exists to make global cotton production better for the people who produce it, better for the environment it grows in and better for the sector’s future. Through BCI and its partners, farmers receive training on how to use water efficiently, care for the health of the soil and natural habitats, reduce use of the most harmful chemicals and apply decent work principles.

Oerlikon to show Sytec One BCF yarn plant at Domotex

Oerlikon Neumag by Oerlikon Manmade Fibers segment, a leader in manmade fibre filament spinning systems, texturing machines, BCF systems, staple fibre systems, and artificial turf systems, will show its Sytec One BCF yarn machine at Domotex Asia/Chinafloor, a global floor covering event, to be held from

March 20 to 22, 2018 in China. If the requirements for the production of BCF yarns increase, for example, from recycled polyester or fine filaments, then this can also lead to higher breakage rates. Highly standardised production plants must then often strike compromises with regard to throughput, quality, or cost-efficiency. In such cases, the Sytec One offers a good solution instead of the mostly three-end technology plants for standard processes.

The BCF plant works with only one yarn (end) per position, making it ideal for demanding production processes. The reason: when a yarn break occurs only one yarn tears, all other yarns continue to run. This not only simplifies troubleshooting, it also reduces the re-threading time. In addition, less waste is produced. As a result, the productivity of the Sytec One is still over 98 per cent for ten breakages a day, while a plant with three-end technology only reaches around 92 per cent.

In addition, the absolutely straight yarn path of the Sytec One enables significantly higher process speeds of up to 15 per cent in spinning and texturing processes compared to multi-end technologies. Higher total titers of up to 6,000 dtex can also be produced without any problems. The gentle yarn guidance also ensures minimum friction on the individual filaments. This means less yarn breaks and a more stable process.

The engineers at Oerlikon Neumag have developed a new design for the spinning pack. This central component of every BCF machine significantly influences the yarn quality. The corresponding solution for the Sytec One optimises the polymer flow in the spin pack, thus reducing the polymer dwell time. This leads to shorter product and colour change times and increases the plant efficiency. In addition, the spinning packs were widened so that yarns with up to 500 filaments can now be produced.

Kyrgyzstan increases production in textile industry

The growth of industrial production in Kyrgyzstan in January 2018 was increased mainly due to light industry, press secretary of the National Statistics Committee Boris Arabaev told at a press conference in the department, Kabar reports.

According to his data, the share of industry in the GDP structure in January of this year made 27%.

“The growth in the industry was achieved by increasing production in the textile industry: the production of clothing, footwear, leather and other leather products, as well as the



World Textile News

Heimtextil hosts 2,975 companies presenting innovations

Karl Mayer Hard Sells PROSIZE Model to Enhance Its Strong Hold on Ichalkaranji Market

Karl Mayer, the German textile machinery giant along with its agent for India A.T.E. have cut across the niche market segment of Ichalkaranji by catering to the latest blend of weaving machines installed in this township which is popularly called the Manchester of Maharashtra.

Ichalkaranji is one of the prominent centres of the decentralised textile sector in India. Recent years have seen a phenomenal growth of the textile industry in Ichalkaranji with major investments in the latest technologies.

In the weaving sector, around 9,000 shuttleless weaving machines, mainly high speed air jet and rapier technology, 20,000 auto looms, Ruti-C, Ruti-B and Cimmco, and 120,000 plain power looms are in operation, producing fabrics such as grey apparel, cambric, poplin, dhoti, printed sari, blouse, interlining, shirting, sheeting, canvas, and industrial textiles.

To cater to the weaving machines, there are about 160 sizing units with more than 250 sizing machines in all, which include a range of conventional machines as well as the most modern technology machines.

A.T.E. has a strong presence in the Ichalkaranji market with several Karl Mayer installations. As a renowned solution provider, A.T.E. consistently meets increasing customer expectations in terms of high quality warp, and better productivity to achieve the best performance on high speed shuttleless weaving machines. In the last few years, more than 40 Karl Mayer sizing and warping machines have been installed in this market, while many more machines are

expected soon. Jathar Group of Textiles is a well-known job sizer from Ichalkaranji and has so far installed 11 Karl Mayer warp preparation machines. The leading air jet weavers in Ichalkaranji turn to the Jathar Group for all their sizing beams, as they find the performance of their weaving machine is much better with warp sized on Karl Mayer machines.

Sachin Jathar, Managing Director of the Jathar Group of Textiles, and his team believe that as a job sizer one must have adequate process knowledge on sizing technology and also have the best quality warp preparation equipment to retain customers. Expressing his satisfaction with the Karl Mayer machines, Sachin Jathar said "Since our first purchase in the year 2010, Karl Mayer machines have been operating to the best of our satisfaction. Due to Karl Mayer machines, the sized beams started performing well on high-speed air jet looms with the highest efficiency and productivity. A.T.E. and Karl Mayer teams have always supported us and gave us the right guidance. We are happy with the overall performance of Karl Mayer machines and today we have 11 Karl Mayer warp preparation machines, which cater to a major market segment in Ichalkaranji".

The increasing preference for the Karl Mayer technology can be gauged from the repeat orders received for warp preparation machines from other leading customers like the Baldev Group, Arvind Textfab and many more from the Ichalkaranji market.

Karl Mayer has recently introduced PROSIZE technology, a breakthrough innovation in sizing, designed to provide unmatched advantages and benefits to customers. After the successful installation of the first two PROSIZE machines in Ichalkaranji (out of a total of 20 machines supplied so far in India), there are several orders for the PROSIZE machines in the pipeline from this market.

300,000 hectares. Low price of cotton compared to other agricultural products is one of the reasons for drop in cotton cultivation.

However, land under cotton cultivation has grown by 6 per cent in the current year, according to data of Cotton Project, being implemented by the ministry of agriculture.

Textile and apparel statistics

Iran boasts ancient history of textile. The country was amongst the first exporters of textiles to other parts of world.

However things go into the reverse during past decades. The textile and apparel industry in Iran was unable to capture the national market as a textile and garment hub.

According to Trade Promotion Organization of Iran during the fiscal year ended March 20, 2017, Iran's textile and apparel exports grew up by 8.1%. According to the statistics, nearly 5,700 tons of hand-woven Iran carpets, valued at U.S. \$ 345.7 million, were exported during the period.

The country exported with 3,800 tons of apparel items worth US \$ 46.2 million, up 2.6 per cent in volume and 3.9 per cent in value when compared to previous fiscal in 2017.

The Iranian Textile and apparel industry has over 9,000 active units, constituting 11% of all the industrial entities in the country. These units have created more than 2,90,000 direct jobs in Iran. However, Iran's development plan Vision 2025 has identified textile and clothing as one of the industries, which has a great potential for expansion. The urge for technological advancements and improvement in productivity is mentioned in the plan. Raw material availability and cheap labor in Iran are great motivation for foreign investors to benefit from this potential in textile industry.

Although, the private sector of Iran is responsible for developing the manufacturing and trading spaces.

Garment manufacturing facilities in Iran are outdated and need to be upgraded, as a result of years of international sanctions imposed on Iranian industries over Tehran's nuclear program. According to Amin Moqaddam, a member of the board of directors of Iran Textile Exporters and Manufacturers Association, Iranian apparel production meets less than 30% of domestic demand. He put the value of Iran's apparel market at \$11 billion. Meanwhile, Iran exports apparel worth tens of millions of dollars every year.

The latest statistics by the Islamic Republic of Iran Customs Administration show about 3,000 tons of apparel worth \$39 million were exported from Iran during the nine months to Dec. 21, 2017.

The main export destinations were Afghanistan, Iraq, Turkmenistan, Tajikistan, Kyrgyzstan, Pakistan, the UAE, Turkey, Oman, Azerbaijan, Kuwait, Armenia, Georgia, Yemen, Germany, the Netherlands, Canada, the UK, Lebanon, India, Norway, Japan, Spain and Australia. Last year's textile exports stood at \$48 million.

Central Bank: PPI Inflation at 10.2%

The average Producer Price Index in the 12 months ending Feb. 19, which marks the end of the Iranian month of Bahman, increased by 10.2% compared with last year's corresponding period, the latest report by the Central Bank of Iran announced. CBI put the preceding month's PPI inflation at 9.9%. A year-on-year increase of 11.9% was registered in the index compared with the similar month of last year. PPI (using Iranian year to March 2012) stood at 261.6 in Bahman, indicating a 1.1% rise compared with the previous month. The importance of PPI lies in its predictive content for the future pattern of Consumer Price Index. Changes in PPI are usually reflected in Consumer Price Index within a short period of time. PPI gauges the price fluctuations of goods and services for the producer whereas CPI measures changes in the price level of a basket of consumer goods and services purchased by households. According to CBI's latest report, the overall goods and services Consumer Price Index for urban areas (using the Iranian year to March 2017 as the base year) stood at 113.4 in Bahman, which indicates a 0.9% increase compared with the previous month.

Textile Machinery Imports Exceed \$300 Million

Iran imported \$347 million worth of textiles and apparel production machinery and equipment during the nine months to Dec. 21, 2017, the director general of Textile and Clothing Department at the Industries Ministry told.

Afsaneh Mehrabi added that last year's (March 2016-17) imports stood at \$194 million.

Iran Textile News

Iran Unveils Indigenous Polymer Wound Care Dressing, Artificial Vessel

Iranian scientists have managed to produce an artificial vessel and a type of wound care dressing using polymeric materials. The two technological developments were unveiled in a ceremony attended by the Head of Iran Polymer and Petrochemical Institute (IPPI) Mehdi Nekouhesh.

The polymer wound care dressing was invented as part of a larger plan to find a treatment for a particular type of skin wounds. The artificial vessel was the second invention of the Institute's scientists. The vessel, which is now at the clinical stage, used to be an imported good and is being produced for the first time by IPPI in Iran. In addition to its medical functions in treating cardiovascular system and kidney diseases, it is also used in textile industry for producing shoes and sport jackets. According to the data released by Iran's Vice-Presidency for Science and Technology, the Islamic Republic's share in scientific publications worldwide has been growing over the past two decades, from 0.07 percent in 1996 to 1.5 percent in 2015. Likewise, its share in total regional scientific publications increased from 3.5 percent in 1996 to 28.6 percent in 2015. Joint publications by Iranian authors and foreign collaborators accounted for around 19.8 percent.

The Iranian government says a major reason for these improvements is the increasing importance given to scientific publications, research, promotion of university professors through awarding grants to them, and granting awards to the graduate students and pursuing their admissions to accredited universities.

Sistan's hand-woven carpet registered globally

Tehran (ISNA) – The hand-woven carpet from Sistan and Baluchestan Province was registered globally on Tuesday during a ceremony. During the ceremony that was held in Sistan and Baluchestan Province, head of Iran's National Carpet Center Hamid Kargar said, "Currently the hand-woven carpet from 47 geographical regions have been registered nationally and hand-woven carpets from 29 geographical regions have been registered globally". He announced that the Baluch hand-woven carpet will also be registered nationally.

Iran's raw cotton output to reach 160,000 tons

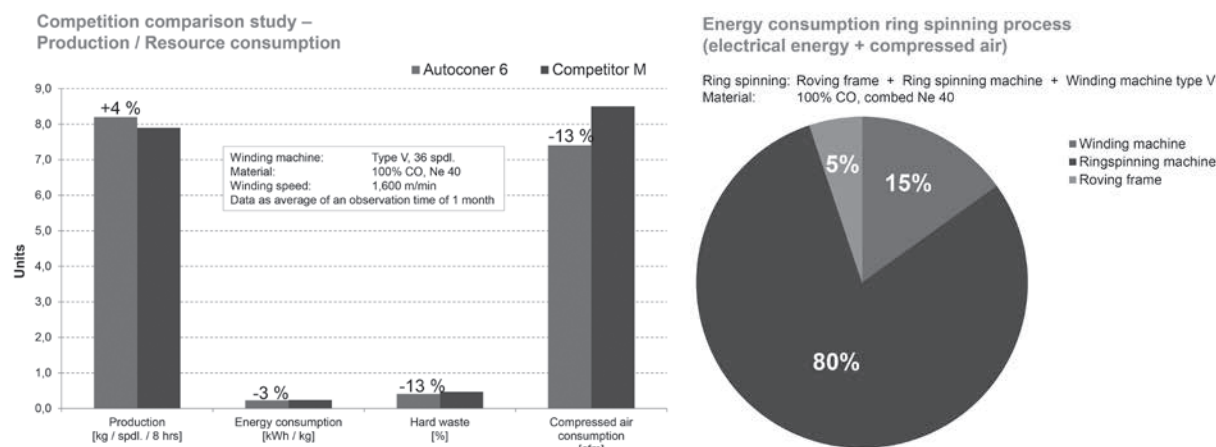
Production of raw cotton in Iran during the ongoing Iranian year is expected to touch 160,000 tons, according to Iran Cotton Fund. This would yield between 45,000 and 50,000 tons of ginned cotton. In the current Iranian year beginning March 21, 2017, around 124,550 tons of raw cotton has already arrived in the market and bought by ginning factories. Last year, Iran's ginned cotton production was around 40,000 tons.

Iran's domestic textile industry needs around 90,000 to 100,000 tons of cotton annually, and more than half of this demand is met through imports. In the first ten months to January 20, 2018, Iran imported nearly 56,000 tons of cotton. Iran had turned from being a cotton exporter to an importer during 2001-16, when the area under cotton cultivation declined more than 75 per cent to 70,000 hectares from

Energy Monitoring helps in optimisation

To ensure that the full potential savings are exploited in daily practice, the Autoconer 6 can be optionally equipped with Energy Monitoring. It continuously measures electricity and compressed air consumption online during operation so that the operating personnel can monitor and optimise resource consumption lot by lot.

With its measurable performance advantages, the Autoconer 6 is thus the benchmark for productivity and economy in winding.



About Saurer Business Unit Spinning

The Saurer Group Business Unit Spinning brands Schlafhorst and Zinser have been pioneers in the production of staple fibre yarns for over 100 years. Ring spinning specialist Zinser leads the market with the widest range of ring spinning applications. Market and innovation leader Schlafhorst with its Autocoro, BD and Autoconer product brands offers solutions for the entire spinning line right through to the quality package. Thanks to their unique process competence, Schlafhorst & Zinser are the partners of choice for successful textile companies. With production locations in Germany, India and China as well as an international service and consultancy team, Schlafhorst & Zinser fulfil their mission: to make spinning mills across the globe more efficient, productive and economical.

About Saurer Group:

The Saurer Group is a leading globally operating technology group focusing on machinery and components for yarn processing. As a company with a long tradition, Saurer has always been a leader in innovation. Today, Saurer comprises the two segments Saurer Spinning Solutions and Saurer Technologies. Saurer Spinning Solutions offers high quality, technologically advanced and customer-specific automation solutions for processing staple fibre from the bale to the yarn. Saurer Technologies is specialized in twisting and embroidery as well as engineered and polymer solutions. With annual sales around 1.0 billion EUR, 4,000 employees and locations in Switzerland, Germany, Turkey, Brazil, Mexico, USA, China, India and Singapore, the strongly growing group is well positioned to serve the world's textile industry centres.

SAURER – WE LIVE TEXTILE.

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Autoconer 6 with E³. Measurably more productive and economical

WATTWIL, SCHWEIZ – 29.01.2018

Even if the winding machine is only responsible for about 10-15% of the energy consumption (compressed air and electrical energy) when considering the classic ring spinning process, these criteria play an important role in assessing the performance of the machine. Comparative measurements in the package winding sector show that the Autoconer 6 is not only more productive than the competitors; it also consumes less energy and compressed air and uses the valuable raw material more sparingly. Provided with the latest equipment and E³ certification and with optimum settings, the Autoconer is the most efficient and cost-effective automatic winding machine on the market.

Realistic comparison in a spinning mill

In a spinning mill in India, two fully equipped and optimally adjusted latest-generation winding machines, the Autoconer 6 and a competitor's machine, were compared with one another. Over a period of one month, energy and compressed air consumption, yarn waste and production were continuously measured and the results averaged over the entire month. Both machines were used for winding under the same conditions (material: 100% CO, Ne 40 with a winding speed of 1,600 m/min). For objective comparability and independent evaluation of the results, the customer set the consumption data in direct relation to the yarn quantity produced.

Autoconer better across the board

The test result is clear. The Autoconer 6 is the leader in all measured values. Its production is 4% higher than that of its competitor. It uses 3% less energy and 13% less compressed air. The yarn waste is also significantly lower. Here, the advantage in terms of economy is approximately 13%. Calculated over the year, the Autoconer 6 achieves a significantly higher return than the competition machine.

E³ – the certificate you can rely on

The Autoconer 6 was developed from the outset with the aim of ensuring maximum productivity with the lowest possible consumption of resources. E³, the certificate for triple customer benefits in the fields of energy, economics and ergonomics, guarantees Schlafhorst's customers the greatest possible benefit from technical innovation. A number of factors are responsible for the good results in the comparative test, which are only available for the Autoconer 6 in such an optimal combination.

Thanks to SmartCycle and a flow-optimised suction nozzle, the Autoconer 6 ensures an extremely efficient cycle process. This is why the intelligent "Power on Demand" system makes it possible to apply the vacuum sparingly and in accordance with requirements. The globally unique SmartJet also supports upper yarn detection and pushes up productivity, just like LaunchControl, the Eco-Drum-Drive System and Speedster FX. The variable adjustability of MultiJet means that compressed air consumption can be drastically reduced. And Ecopack FX, the upper and lower yarn sensors as well as the Autotense FX yarn tension system ensure less yarn waste; in the best case, the tension system guarantees a yarn runoff without residuals.

Expert Insight and Industry Innovation Showcased at Middle East & North Africa Symposium

12th February 2018 Dubai - EDANA, the leading global association serving the nonwovens and related industries, last week welcomed over 200 delegates from more than 100 companies to Dubai for the fourth edition of the region's premier conference for the nonwovens industry.

The symposium and exhibition featured expert analysis on market outlook, product innovation, demographic trends and sustainability initiatives over the two-day event, with dedicated sessions on geotextiles, raw material trends and nonwovens in the health sector.

Feedback from participants throughout the event emphasised satisfaction with the support provided to the industry and the many opportunities to meet with peers. "This symposium has recognized the importance of the MENA region for the nonwovens industry and allowed my team and me to meet many of our customers in a friendly, informative and efficient way. The diverse range of presentations and delegates has helped further cement the region as a growth generator for the industry" said Haitham Alhudhaif, President of Saudi German Co. for Nonwoven Products.

Mahdy Katbe, CEO of Unicharm Gulf Hygienic Industries, echoed these sentiments "EDANA's 4th MENA Symposium reaffirms their commitment to supporting multiple industries and areas. For the MENA region, one of the world's most promising, EDANA's resources are proving to be solid support pillars for the industry itself, the regulatory framework and end users."

Other delegates highlighted the unique mix of insight and industry updates provided by such a gathering "all the nonwoven symposia I have joined over the years have always surpassed my expectations and Dubai is no exception. Listening to ideas and challenges in unrelated application fields remains an inspiring source for fresh ideas" said Ludwig Busam, Director Global Material Development & Supply Baby Care at Procter & Gamble. Silke Brand-Kirsch, Executive Partner at Schlegel & Partners concurred, adding that "the symposium has been a useful source of both inspirational knowledge, and technical innovations from expert speakers".

"In addition to providing another successful platform for business development in the region, EDANA concurrently held its first ever board meeting outside of Europe here in Dubai, a testament to our reach and commitment to cater to the needs of our members and their markets" concluded Pierre Wiertz, General Manager of EDANA.

Further information on the symposium, including the programme and participation list is available on the [event site](#)

About EDANA

EDANA helps its members to design their future, serving 252 companies in the nonwovens and related industries, across 33 countries. Its mission is to create the foundation for sustainable growth of the nonwovens and related industries through active promotion, education and dialogue.

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designed to make small quantities of high-quality needlefelt used for medical applications as well as for special needlefelts made of specialty fibres such as carbon.

Numerous applications as for example filter media, geotextiles, roofing material and composites require needlefelts with increased tensile stiffness. This is achieved by using reinforcing scrims, grids or yarn layers. The new technology "HyperTex", which produces multi-layer needlefelts consisting of base needlefelt, reinforcing material and cover needlefelt, uses the scrim fabric machine of Ontec Automation GmbH which feeds a reinforcing scrim made of yarn or filaments online between two felt layers. The felt layers may be preneedled offline. In this case, the scrim fabric will be fed between two unwinding stations and in a subsequent step bonded together at high speed using Hyperpunch needling technology. Also two-layer structures (1 layer needlefelt, 1 layer scrim fabric) can be consolidated this way.



Dilo HyperTex installation

DiloGroup looks forward to your visit and to discussion of new and current projects.

See you in Hall Forum, booth FC045.

The newly developed "VectorQuadroCard" of DiloSpinnbau becomes different card types by the flexible and quick change of the transfer group. It therefore allows the production of many endproducts with high throughput and optimum web quality.



Dilo crosslapper DLSC Vector 200

By realizing electro-mechanical web infeed speeds of up to 200 m/min the new horizontal crosslapper of DiloMachines' DLSC model series ensures crosslapping is no longer the bottleneck of a needlefelt production line.



Dilo Compact Line

In addition to wide needling lines for the economic production of greater volumes as required for example in the geotextile industry, DiloGroup offers a new compact line which has been

DILO GROUP

ENGINEERING FOR NONWOVENS

PRESS RELEASE

February 2018
Serg-Di-TP-aw

DiloGroup at Inlegmash 2018 Hall Forum, booth FC045

At Inlegmash 2018 DiloGroup will have an information booth (No. FC045) in Hall Forum and invites all visitors to discuss the latest machine trends as well as innovations in needlefelt production.

To create a link between economic production and high-quality endproducts has been the goal and the impulse for developments and innovations at DILO. The most important goals are energy efficiency, throughput capacity, endproduct quality and increase of efficiency by reducing downtime. These aims have resulted in changed and new machine designs and thus created opportunities to produce economically high quality endproducts.

The adapted automation of the Baltromix bale opener and the carding willow of DiloTemafa allows better processing of long fibres at highest throughput and extended run-time with fewer cleaning intervals.



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۱۰۸ | شماره ۱۸۲ | اسفند ۹۶

press
release



RSB-D 50 Draw Frame

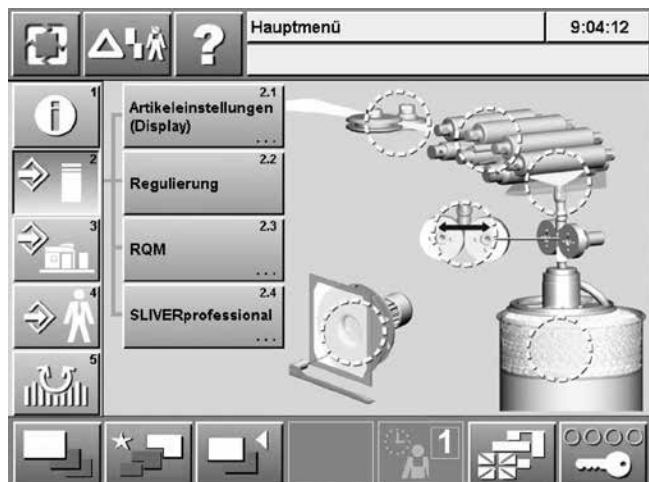


Fig. 7 Easy operation: touching the selected fields leads directly to the required menu item.

previous model are possible. The following is an example of a customer who processes combed cotton. The RSB-D 50 is operating at 650 m/min, the previous model RSB-D 45 at 480 m/min. Despite far higher delivery speed, the sliver quality values of the RSB-D 50 achieve an equally good level (Fig. 6). The yarn count Ne 30 shows equal or even slightly better quality. In the nine-week long-term test, the mean values of the disturbing faults on the RSB-D 50 are also remarkable. Compared to the RSB-D 45, that already achieves very good quality values, the Classimat values could be improved by 13 % and the winder cuts by 8 %.

Touch display and LED displays for intuitive operation

The SB-D 50 and RSB-D 50 use the latest control generation as well as a colored touch display with a high resolution. This allows intuitive and easy operator guidance (Fig. 7).

Clear indications are of decisive importance for the operator when it concerns efficient working. Here, LEDs, that are visible from afar and provide information on the condition of the draw frame, help (Fig. 8). They simplify the operator's work immensely. By means of the USB interface, the data is quickly and easily transferred to other machines. Connection to the Rieter mill control system SPIDERweb is possible as a standard feature.

Technological know-how in the machine display

Frequent personnel changes or shortage of specialists are increasing problems for spinning mills. Rieter offers the remedy with setting recommendations that appear directly on the machine display. The basis is the well-known



Fig. 8 LEDs visible from afar allow the operators to work efficiently.

SLIVERprofessional expert system which is now integrated in the machine display. It provides valuable technological support. This unique tool offers setting recommendations for the entire machine, after the raw material data has been entered. These can be transmitted as a data record onto other machines. In addition, SLIVERprofessional assists with the analysis of spectrogram faults such as periods and draft waves. In this way, faults are rapidly corrected and the availability of the machine is increased.

Assembly on or recessed into the floor

The SB- and RSB-D 50 allow, as previously, assembly on the floor. This makes very flexible positioning possible. A new option is to install the machine recessed into the floor. This means, the transfer height of the can on the empty can magazine is lower and thus more convenient. The full cans are pushed out directly onto the spinning mill floor.

Proven advantages of the RSB-D 45 are retained

The RSB-D 50 keeps unique features of the previous model which are all patented. Here is a selection:

- Effective suction by automatically lifting clearer lips on the top rollers
- CLEANtube for sliver coiling without trash accumulations – for cotton applications
- Sensor for exact first sliver coils, even with can plates that are too low.

With the RSB-D 50 and SB-D 50, Rieter sets another milestone in draw frame engineering for the benefit of our customers. Once more, the saying prevalent amongst mill managers „Buy an RSB and you can sleep peacefully“, applies.

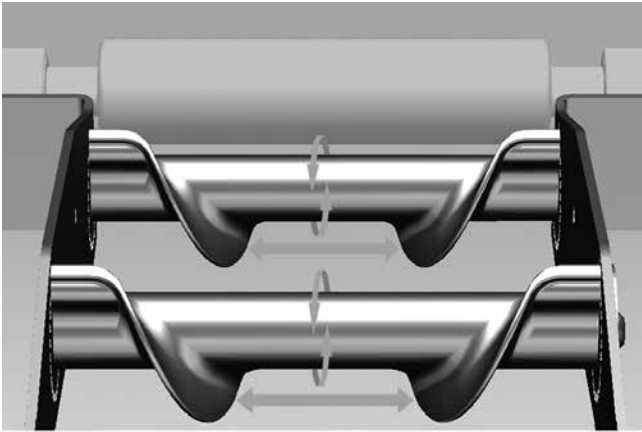


Fig.3 Patented sliver guide for consistent and reproducible quality.

shuts down in a controlled manner. The web remains in the threaded condition and allows a rapid restart.

Further optimized drafting system engineering

Conventional sliver guides in front of the drafting unit are often wrongly adjusted. The most frequent fault is noncentral guidance of the sliver. The new, patented sliver guide guarantees central guidance of the sliver at all times and therefore consistent sliver quality (Fig. 3). The web width is reproducible and is set by simple swivelling of the guide elements. Additional fiber guides in the main drafting field prevent lateral slipping of the edge fibers. Fewer disturbing faults in the yarn are the result. Furthermore, the top roller bearings are permanently lubricated and run at a lower temperature.

When processing fibers with high fiber-fiber friction, as is the case with man-made fibers, active sliver separation is necessary for a trouble-free can change. To achieve this, the motors of the autoleveler drafting system create a thin place, which is transported below the coiler and deliberately breaks at can change. CLEANcoil and CLEANcoil-PES coilers for precise sliver coiling



Fig.4 CLEANcoil-PES: the coiler for 100 % Polyester fibers.



Fig.5 Precise coiling of Polyester slivers thanks to CLEANcoil-PES coiler.

therefore offers maximal flexibility. The spiral coiling tube ensures coiling which is free of drafting faults, even at high delivery speeds. A honeycomb structure on the coiler underside reliably prevents deposits. For the processing of 100 % polyester, the latest development CLEANcoil-PES (Fig. 4) with a new type of coating offers unique advantages in coiling. Even with critical polyester fibers, the cleaning cycle can be extended by at least 100 %. This also leads to more consistent sliver and yarn quality (Fig.5).

Up to 33 % higher productivity at equal or better yarn quality

The SB-D 50 draw frame without leveling and the RSB-D 50 autoleveler draw frame produce, in practice, at a delivery speed of up to 1 200 m/min. Depending on the fiber material, up to 33 % higher speeds in comparison to the

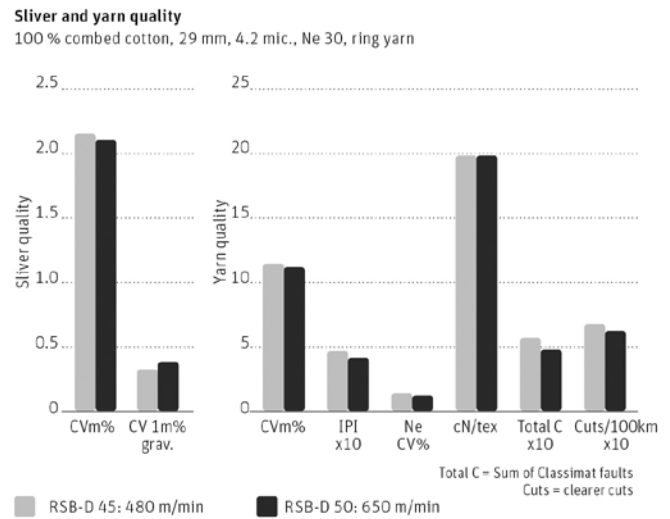
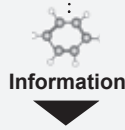


Fig. 6 With significantly higher production, the RSB-D 50 achieves very good sliver and yarn quality.

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RSB-D 50 Draw Frame A New Dimension in Productivity, Quality and Operation



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The new single-head draw frame generation is characterized by its performance: productivity increase of up to 33 %, reduced energy costs, quicker lot change at outstanding sliver quality and easy, intuitive operation. In the fall of 2016, Rieter introduced the new RSB-D 50 single-head draw frame for the first time to a global audience at the exhibitions ITMA Asia in China and ITME in India (Fig. 1).



Fig. 1 RSB-D 50 draw frame
highest productivity with 1 200 m/min delivery speed.

The new draw frame generation excels with a multitude of innovative solutions. These reduce costs, increase the quality and simplify operation and maintenance.

Energy saving drive concept ECOrized with 25 % fewer belts

With the patented drive concept ECOrized, 25 % of the belts and drive elements as well as the differential gear are saved compared to the previous model. Two servomotors drive the drafting system. Unique features are

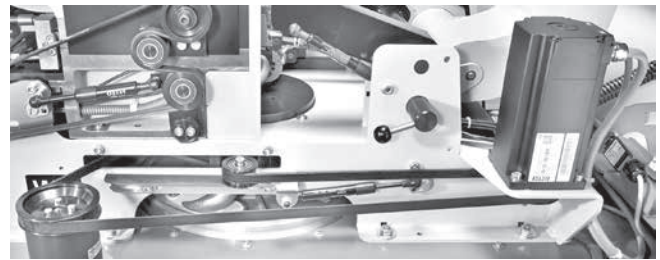


Fig.2 The servomotor for the coiler
allows rapid optimization of the speed.

the frequency-controlled drive for the suction and the individual drive for the coiler. The new drive solution for the coiler leads to straight belt tracking and a far longer lifetime (Fig. 2). The quiet machine is evidence of the low abrasion.

Lower electricity costs per year

The new drive solution generates yearly savings of approximately Euro 1 000 for each RSB-D 50. If the saving over the lifetime of the machine is compared with the investment, a very attractive ratio results.

As a standard feature, the draw frames are now equipped with integrated energy measuring. Should a significantly increased power consumption occur, preventive maintenance can be carried out and a breakdown of the machine thus avoided.

Even tougher with power fluctuations

With a short power fluctuation, the control voltage is supplied from the drive converter. This energy store can compensate short-term voltage interruptions and reductions. The draw frame keeps running. With longer interruptions, the draw frame with active autoleveling