

it's true



TRÜTZSCHLER

Content



Trützschler's sustainability ambitions 4

TC 19i outperforms Swiss competitor card 10

Interview with the Board of Directors of the Trützschler Group SE 14

The new TCO 21: Boost your high-speed combing 16

Trützschler Card Clothing: A pioneering partnership for sustainable success in Egypt 20

Ecowipes grows Tricell capacity with Trützschler Nonwovens 22

Trützschler China joins CSR project from soccer club Borussia Mönchengladbach 24

My OPTIMeye: The digital age of filament production 26

A new Trützschler Nonwovens line for Phoenix Textile 28

A new era for Trützschler in India 30

Trützschler Nonwovens at IDEA 2022 32



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Cover picture:
Trützschler in China joins social responsibility project from soccer club Borussia Mönchengladbach



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Dear Customers,
dear Business Partners,

The first six months of my position on the Board of Directors of the Trützschler Group SE were characterized by contrasting developments: An unprecedented order situation coincided with the impacts of disrupted global supply chains and massive increases in energy and transport costs.

Our response: Even more unity, even more commitment, even more progress. I would like to express my sincere gratitude for the constant trust placed in us by our customers and partners – as well as for the tireless efforts of all our global teams, who work hard every day to support our customers with the best solutions.

This issue of *it's true* focuses in particular on the topic of sustainability: With the adoption of our Trützschler climate targets – first and foremost, climate-neutral production at our global sites by 2035 – we have made our contribution to CO₂ savings measurable and refined our sustainability principles as well as corporate responsibility.

As usual, the magazine also reflects the entire diversity of the Group: Trützschler Spinning, for example, is pleased about excellent results achieved by the intelligent card TC 19i in a competitive comparison, as well as the successful introduction of the comber TCO 21. Trützschler Nonwovens shares impressions of this year's IDEA trade show from Miami, where a close personal exchange with customers and visitors about latest solutions such as biodegradable nonwovens was finally possible again. Trützschler Man-Made Fibers presents its digital solution "My OPTIMeye", which enables filament yarn producers to tap the full potential of their machine data, while Trützschler Card Clothing provides insights into a success story from the Egyptian market.

Why don't you see for yourself – I hope you enjoy reading this issue and remain, with best regards

Alexander Stampfer
Chief Sales Officer (CSO) Trützschler Group SE

SUS- ABIL

Author: Kleo Knippertz

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ITY.

Our climate commitment

For over 130 years, Trützschler has provided resource-efficient technologies for customers worldwide. As a family-owned company, we've always placed a strong focus on ensuring sustainability for future generations. Today, that focus is sharper than ever – because our planet's precious climate is changing.

In response, Trützschler is taking decisive action to further minimize our environmental impact and maximize our contribution to sustainability.

By pursuing our three ambitious targets, we are going to transform our business. Trützschler's global teams are now stepping up efforts to accelerate innovative energy management approaches, our shift to renewable power and more sustainable logistics processes.

Our actions are focused around three specific targets for cutting emissions:

1

**Reduction
of CO₂ emissions
by 50 %**

at our headquarters in
Mönchengladbach, Germany, by 2025

2

**Climate-neutrality*
at all Trützschler sites
in Germany**

by 2030

3

**Climate-neutrality*
at all Trützschler sites
worldwide**

by 2035

* Climate neutrality refers to decreasing greenhouse gas emissions while also offsetting any remaining emissions by supporting activities that remove CO₂ from the atmosphere. At Trützschler, we are targeting Scope 1 emissions (e.g. direct emissions from burning fossil fuels) and Scope 2 emissions (e.g. indirect emissions from purchased electricity), as well as selected Scope 3 emissions (e.g. from business-related travel). These three emissions categories are defined by the Greenhouse Gas (GHG) Protocol.



Scan the QR-Code and
get all information
about our sustainability
ambitions.

Trützschler is taking action! We are striving to achieve three specific and measurable targets that will support our impact on the biggest challenge our planet has ever faced.

The shareholders of the Trützschler Group SE set these goals for climate neutrality as part of our commitment to protecting the planet and secure the long-term success of our company.

Charlotte Fontaine,
Deputy Chief Spokesperson
for the Hans Trützschler family



Florian Schürenkrämer,
Deputy Chief Spokesperson
for the Hermann Trützschler family

That commitment has been a central part of our identity for more than 130 years – and we, the fifth generation of shareholders, are excited about taking the next steps forward in this long tradition.

Our contribution

Our technologies

Innovations from Trützschler support the textile industry in becoming more sustainable. Our WASTECONTROL system, for example, features sensors that help to make sure every fiber is used. Specially designed machines and equipment from Trützschler also support the transition to a circular economy by making it possible to produce yarn by recycling old material, production waste, or even plastic bottles. And our Wet-laid/Spunlace technologies support the production of fully biodegradable wet wipes that are made from pulp and cellulose.

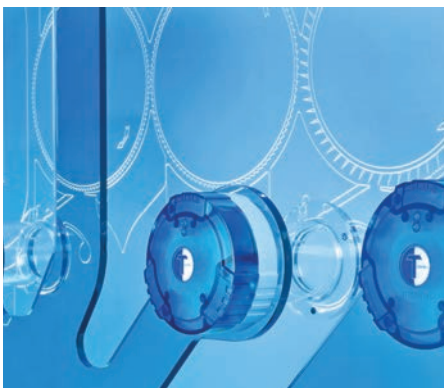
Our processes

Our production facilities are designed to maximize sustainability, and we constantly seek ways to further reduce energy consumption and boost resource efficiency. We go beyond regulatory expectations, and proactively integrate environmental considerations into every aspect of our business.

This involves using renewable energy from sources like solar panels, wind turbines and hydropower. We also operate a continuous improvement approach to cut waste in our value chain. We are investing in climate-friendly logistics processes such as our fleet of low-emissions company cars. Trützschler sites are certified in line with the ISO 50001 standard for energy management, and we are a partner of the Blue Competence sustainability initiative from the Mechanical Engineering Industry Association (VDMA).

Our employees

As a family-owned company, our business is shaped by a firm belief in the importance of creating a sustainable future for generations to come. Health and safety are our top priority at all times. We provide a working environment with flat hierarchies and fast decision-making – where strong values define our leadership approach. And we empower our people to learn and grow throughout their career via targeted programs for training and development.



Our WASTECONTROL system for optimal raw material utilization



Our production processes are transformed to minimize our environmental impact



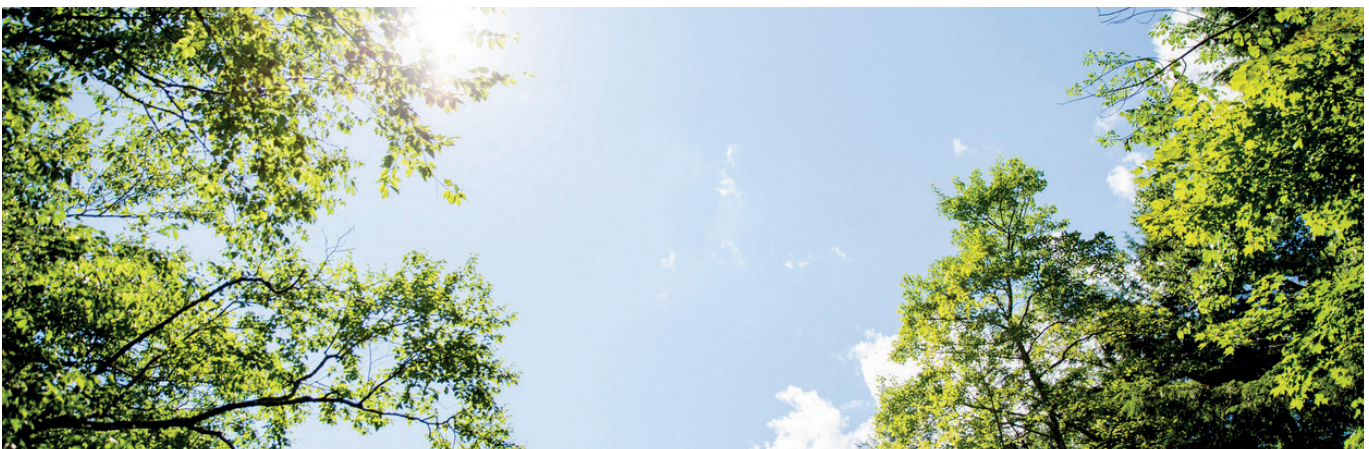
We offer a stable and reliable working environment for a diverse team

How are we going to achieve our sustainability targets?
With our technologies, our processes and our people!

Trützschler's technologies save resources, cut waste and reduce emissions for customers worldwide. Our own production processes are shaped by our passion for energy savings and resource-efficiency. And our people and partners actively promote a safer and more sustainable future. Together, these three factors will contribute to tangible results in our commitment to promoting environmental and social progress.

Making a measurable impact

Our company has a strong passion for sustainability, and we are relentless in our efforts to turn that passion into progress. Our three new targets provide a clear and measurable indication of our performance.



TC 19i

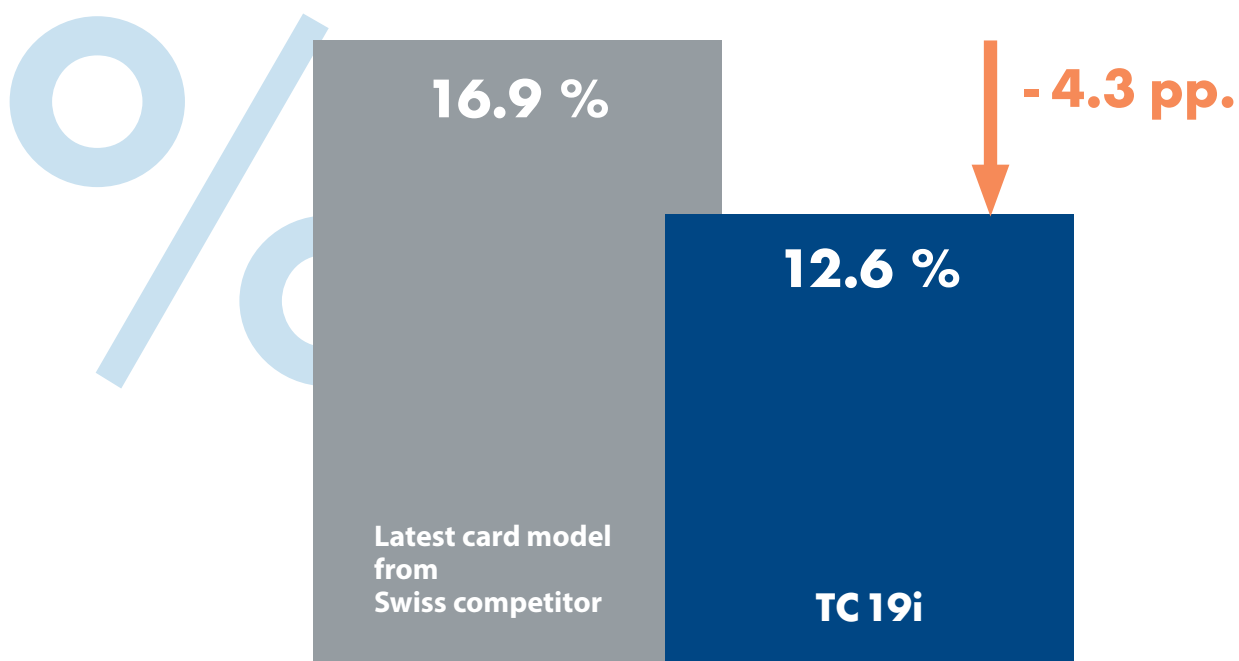
outperforms Swiss competitor card
in head-to-head trials

Author: Dr. Bettina Temath

TC 19i offers high production and more constant quality with less waste compared to latest high-performance card from Swiss competitor, says leading Turkish yarn manufacturer Iskur. This is the final evaluation after several months of intensive head-to-head testing.

Waste Percentage at 180 kg/h

Blend CO/CO recycled,
Ne 6.5/1 OE



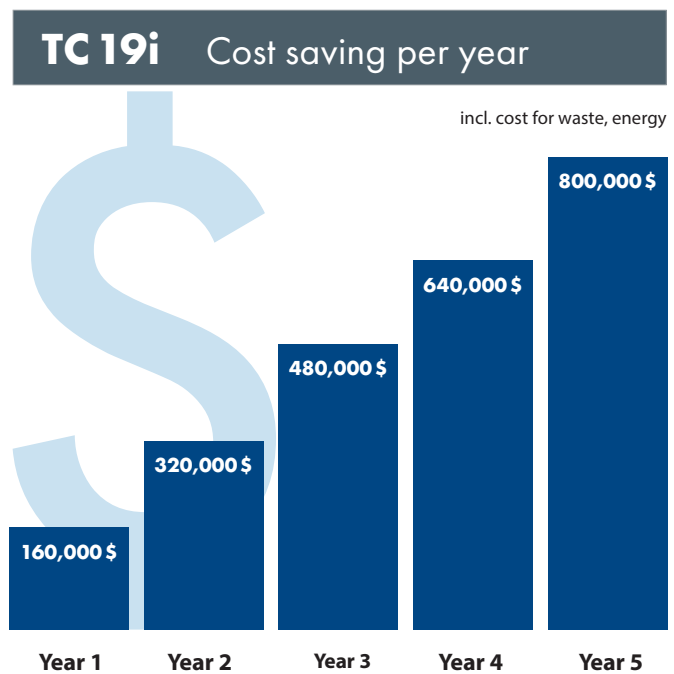


From left to right: Ahmet Kapuçam, Technical Director Iskur, Muhammad Yousuf, Technologist Trützschler, Mehmet Acan, Mill Manager Iskur, Hakan Karagöl, General Manager Iskur, Mehmet Dogan, Technologist Trützschler

„We facilitated the comparison of TC 19i with the Swiss competitor card at our premises because we wanted to make an informed decision for our next project“, says Hakan Karagöl, General Manager Iskur Group. The aim was to achieve the maximum possible production with best possible quality and operating costs. On the basis of a cost-comparison and quality analysis from yarn to fabric, Iskur is now in favor of Trützschler regarding the spinning preparation line.

After months of comparative testing during which TC 19i showed better performance and quality, while the Swiss competitor card had to be continuously overhauled and reconfigured, the final trials took place beginning of 2022. In the first trial both cards ran at 180 kg/h in the production of a rotor yarn Ne 6.5 made of a cotton and cotton recycle blend. Both competitors achieved comparable quality (IPI) now, and the final fabrics both matched the customer's expectation. However, TC 19i showed significantly less unnecessary fiber waste – more than 4 percent! The cost savings of operating TC 19i compared to the competitor amount to 160.000 \$ per year, which include other aspects like energy consumption and maintenance expenses.

In the second trial, the production target was increased to 250 kg/h. After some adaptations the competitor card now ran at comparable waste levels like TC 19i. However, IPI results of TC 19i were about 30 percent, yarn breaks about 60 percent, and clearer cuts 45 percent lower. At the same time, TC 19i produced about 850 kg more in the same time. „We observed that IPI values and waste percentage of the Swiss card varied more from day to day, while Trützschler TC 19i quality and waste values remained comparatively constant. The fabric from TC 19i fully met our expectation, both after the 180 kg/h and the 250 kg/h trial. In contrast, the fabric that stemmed from competitor card production at 250 kg/h did not match our reference fabric anymore“, concludes the customer.



The Swiss competitor claims that their latest card provides the highest production on the market, due to various features. The results of these head-to-head trials demonstrate once again that this is not true.

The intelligence of TC 19i – including the permanent, automatic optimization of the carding gap during production and the automatic recognition and setting of waste removal – leads to better results. The TC 19i provides high production with best possible quality and waste removal, as well as lower energy consumption in direct comparison.

The right solution to stay competitive



Larger working width, carding area and more active tops: These features will in theory always lead to better productivity and quality in carding. In practice, however, this is only true if they are combined with other key developments including intelligent controls. Whereas competitor cards often require specialists for precise settings, Trützschler cards provide constant precision automatically.

Precise carding gap setting **before** production



TC 19i

- ✓ Click on display, start, ready!
- ✓ Automatic carding gap setting performed on cold and warm machine

Competitor Card

- ✗ Manual carding gap setting after installation, grinding or clothing replacement through gauges (3 to 4 hours of work)

Precise carding gap setting **during** production



TC 19i

- ✓ Permanent monitoring and adjustment
- ✓ Thanks to advanced sensor technology, the T-GO gap optimizer always knows the actual carding gap and maintains the ideal setting automatically and permanently
- ✓ Consistent quality

Competitor Card

- ✗ Not possible. The actual carding gap during production isn't monitored nor automatically adjusted
- ✗ Risk of quality variation, too narrow or too wide settings

Smart waste optimization



TC 19i

- ✓ Waste composition and ejection at licker-in is monitored by WASTECONTROL sensors
- ✓ Ideal setting for mote knife is proposed on display, click, ready!
- ✓ Simple and reliable insurance against unnecessary loss of good fibers

Competitor Card

- ✗ Mote knife at licker-in to be set manually or by motor
- ✗ No sensor technology. No automatic, permanent control of waste composition
- ✗ Manual waste check
- ✗ Unnecessary loss of time and good fibers



Author: Dr. Bettina Temath

As of January 2022, Alexander Stampfer has joined the Board of Directors of the Trützschler Group SE as CSO, next to Dr. Dirk Burger (CEO) and Dr. Ralf Napiwotzki (CFO). The Board of Directors with its group-wide responsibility has only existed since November 2021, when the former parent company of the Trützschler Group, Trützschler GmbH & Co. KG, was merged into Trützschler Group SE. In the interview, Mr. Stampfer, Dr. Burger and Dr. Napiwotzki talk about the new corporate structure and important trends in the textile industry.

► ***At the end of 2021, Trützschler merged into Trützschler Group SE. What is new and different in the new corporate structure? Is there a new company philosophy?***

Dr. Ralf Napiwotzki Since the merger of Trützschler GmbH & Co. KG into the Trützschler Group SE in November 2021, Trützschler Group SE acts as parent company for the entire Trützschler Group with all subsidiaries. This change of the structure has no effect on our daily business – Trützschler remains an independent, family-owned company with the same company philosophy. We conducted this merger to reduce the complexity resulting from the growth of the group: In the past decades, Trützschler has outgrown its traditional core area of Spinning Preparation and entered new business areas – Card Clothing, Nonwovens and Man-Made Fibers. The new structure allows us to implement our entrepreneurial activities more simply and quickly because we are gaining new flexibility.

► ***The textile industry is in a constant state of flux. In your opinion, what are the most important megatrends at the moment?***

Dr. Dirk Burger In the last years, we noticed an increasing trend towards sustainability which we believe will be an important trend in 2022 and beyond. Yarn producers are searching for cost-effective ways to produce high-quality products made of raw materials like organic cotton, sustainable cellulosic fibers, or secondary fibers made from textile waste. We are supporting this trend through energy-efficient machinery and installations tailored to the processing of these materials, as well as solutions for optimal raw material utilization. We have also developed specific machinery and installations for the manufacture of yarn made of recycled materials. We are happy to be well positioned in this area. Digitalization also continues to be a trend. At Trützschler, we have the vision of an intelligent spinning preparation process which consists of machines that optimize themselves and that are digitally interconnected. These are machines that, for example, perform a real time analysis of the composition of the extracted waste and automatically change settings to make sure that no good fibers are lost. The world's first intelligent card TC 19i was a big milestone in this context. It optimizes itself with the help of sensors and compensates deficiency factors spinning mills are confronted with – like staff shortages, high personnel costs and raw material quality fluctuation. Digital solutions like our mill monitoring system "My Mill" complete our idea of intelligent spinning preparation.



The Board of Directors of the Trützschler Group SE
F.l.t.r. Alexander Stampfer (CSO), Dr. Dirk Burger (CEO), Dr. Ralf Napiwotzki (CFO)



The headquarter of Trützschler Group SE in Mönchengladbach-Odenkirchen

► **Climate change is currently one of the greatest challenges. How could a sustainable textile and apparel industry look like in the future?**

Dr. Dirk Burger We already support our customers in the processing of sustainable raw materials. In particular, we see a big potential for closing the loop in the textile industry in textile recycling. This encompasses both the mechanical and chemical recycling and is exactly where Trützschler solutions come in – for example our card TC 19i for Recycling. This machine empowers our customers to achieve the maximum quality when carding secondary fibers from torn waste. Another recycling approach of the future is the “regranulation” where synthetic fibers or textiles are shredded, melted and regranulated. This way, former water bottles can be recycled. Trützschler Man-Made Fibers offers an extrusion system that spins BCF (Bulk Continuous Filament) yarns for carpet production from recycled PET flakes.

► **From 2025, used clothing and other textiles will be collected separately throughout Europe to facilitate reuse and recycling. Will it be possible to put this post-consumer textile waste back into circulation as raw material?**

Alexander Stampfer To what extend this is possible depends on several, for example how well preserved the garments are and what material they are made of. Especially stretch products are critical and often not suitable for mechanical recycling as they contain soft core yarns. In order to really close the loop, we further need advanced sorting and recognition technologies

that make it possible to manufacture mixed fabric waste. This is currently the biggest challenge – the technologies to manufacture secondary or recycled fibers are available, but the preceding processes need to be developed. The fact that the legal frameworks differ from country to country also is relevant. In Turkey, for example, there are restrictions on the recycling of post-consumer waste. Nevertheless, we see a big demand for this topic worldwide and will continue to offer our customers the best possible solutions.

► **What will be the biggest challenges for the global textile industry after the Corona pandemic?**

Dr. Ralf Napiwotzki We observed that many markets already recovered very well in 2021 despite the pandemic. But it will take some time for the supply chains to level off again after Corona.

Alexander Stampfer The transformation of the textile industry to a more sustainable industry will of course continue to accompany us further after the pandemic. The demand for more sustainable solutions will inevitably have an impact on fashion manufacturers and the entire supply chain. Trützschler will drive its efforts continuously to support its customers in this challenge in the best possible way.

Dr. Dirk Burger Corona showed us how fast established delivery chains can be dramatically delayed or completely interrupted. We see a trend in many markets to become more self-sufficient and less dependent on foreign deliveries and know-how. This leads to the creation of new textile manufacturing sites around the globe. We are well-positioned in this context: Since decades, Trützschler persistently follows the strategy to operate with multiple fully-fledged, local production and service sites. This unique operational footprint in the spinning machinery sector was always highly appreciated by our customers and has proven particularly useful in times of logistical turbulences, which we are facing currently.



The TCO 21: Boost your high-speed combing

Author: Eva Trenz

Life isn't easy for yarn producers. They need to improve raw material utilization. They need to boost productivity while balancing between quality and economy. They need to increase yarn quality to fulfill customer requirements. And they need to do it in combed applications where high-quality standards are essential. Those are some big challenges.

The TCO 21 combing machine from Trützschler offers an innovative solution.



Scan the QR-Code
and get further
information
about the TCO 21 in
our animation.



Since it was first launched in 2021, the TCO 21 has been delighting customers around the globe with its innovative features and enormous optimization potential. The first large-scale installations are now up and running in the world's most important combing markets. And the results are extremely positive.

The TCO 21 offers automatic optimization functions and is the first ever comber to feature 100 percent Trützschler technology. That powerful combination is now improving efficiency, productivity and quality in yarn-producing markets worldwide.

Looking for details? Keep reading...

Optimized for high-speed combing

The TCO 21 is unique because it features the PIECING OPTIMIZER technology, which reduces fiber stress, especially during high-speed combing. And it works at the push of a single button. This is valuable for yarn producers because the pilger step movement – and the overall acceleration behavior of the detaching rollers – often acts as a bottleneck when operating at high speeds of up to 600 nips/min. A simple comparison: A detaching roller (48 g) in a high-speed comber accelerates roughly 8 times faster than a formular one car (6 g).

Testing data: High-speed combing

Tests clearly show the potential value offered by the PIECING OPTIMIZER technology for high-speed combing. Technologists examined the level of performance that customers can achieve with a yarn count of Ne 30 made from US cotton. The number of yarn imperfections remained constant even when increasing the combing speed from 500 to 600 nips/min – which is a 20 percent higher production rate. Most important, the amount of noil also remained in the same range for all three trials. In fact, the total number of imperfections in the yarn (measured as IPI) was slightly lower because of fewer thick spots and neps. Overall, the TCO 21 has demonstrated its capacity to deliver optimal yarn results even when increasing the production rate by up to 20 percent.

Testing data: Production increase with a yarn count of Ne 20

Trials have shown that the TCO 21 can achieve a 20 percent increase in production output compared to the current combing machine from a competitor for yarn counts of Ne 20 – while also generating less noil. Operating at a rate of 600 nips/min instead of 500 increases yarn production per comb set by around two metric tons per day (depending on the specific settings).

Importantly, the TCO 21 is able to provide this production increase while delivering similar yarn quality in terms of IPI and uniformity – and also reducing noil. Tests show that the TCO 21 can reduce the comb noil by 0.43 percent compared to the competitor's machine.

Testing data: Production increase with a yarn count of Ne 40

The TCO 21 also demonstrated a 20 percent production increase and similar yarn quality compared to a competitor's machine for yarn counts of Ne 40. With a production increase of 10 percent – e.g. producing 550 nips/min instead of 500 nips/min – the yarn results improved with the TCO 21. Furthermore, the number of faults per kilometer only very slightly worsened with a 20 percent increase in production. In addition, yarn uniformity remained at the same level in all trials, even when the production rate increased. The comb noils were at the same level too.

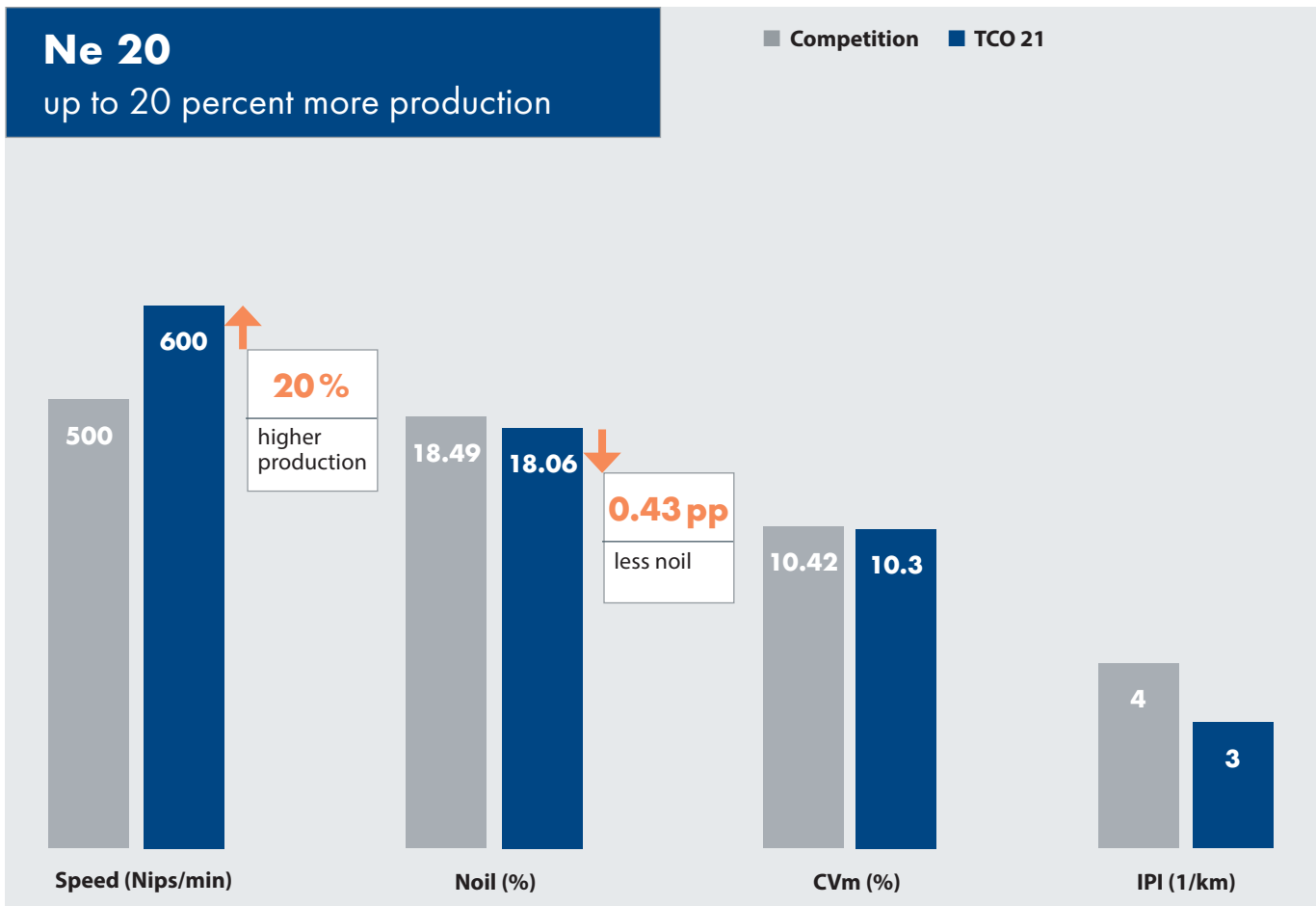
Testing data: Production increase with a yarn count of Ne 60

In the final trial, which involved a yarn count of Ne 60, the TCO 21 proved its capacity to achieve a 5 or 10 percent higher production rate with up to 26 percent better results for yarn quality. Of course, it is more difficult to improve production rates and maintain quality when working with finer yarns. But also in this comparison the TCO 21 demonstrated its excellent performance and advantage compared to the competitor product.

Remarkably, yarn results improved in this test when the production rate for the TCO 21 was increased by 5 and 10 percent. The overall IPI was 21 and 26 percent lower compared to the competition. Despite higher production rates, yarn evenness also remained slightly below the competitor machine's level. And the noil was constant across all three production rates that were tested.

Meets the demands of yarn producers worldwide: The state-of-the-art combing machine TCO 21





Compared to a current competitor comber, the TCO 21 can achieve a 20 percent production increase while generating less noil for yarn counts of Ne 20

Tapping into the full potential of the TCO 21

The results from these tests are extremely positive and we are confident that the unique machine concept has additional potential. Trützschler's experts are now working side-by-side with our customers to open up new ways of further optimizing the performance of this machine in various application areas.

However, the TCO 21, our first comber with 100 percent Trützschler technology, will help our customers improve their competitive position in the global yarn market.



Trützschler Card Clothing: A pioneering partnership for sustainable success in Egypt

Author: Thami Berrada

Sharabati Denim is one of the major leading manufacturers of eco-friendly denim in Egypt, Syria and Turkey. In 2018, the company launched the state-of-the-art recycling initiative "Tadweer" that uses recycled material and sustainable production processes for closing the loop. Trützschler Card Clothing (TCC) is delighted to join this innovative concept with its experts and equipment.

The company headquarters in El Sadat City, one of the largest industrial cities in Egypt



The story of Sharabati Denim began more than 40 years ago, when the company was founded by Mr. Mohamad Sharabati. The company's primary focus is to be a reliable partner to fashion brands and producers by providing a diverse portfolio of denim products that are stylish, durable and sustainable. To achieve this, Sharabati Denim uses its deep technical expertise related to spinning, weaving, dyeing and finishing, as well as recycling processes. And the company also looks for partners who share its strong commitment to environmental protection.

Cooperating for more sustainable practices

TCC is one of those pioneering partners. Sharabati Denim has invested in Trützschler TC 19i carding machines and card clothing equipment to support its brand, Tadweer. It takes its name from the Arabic word for recycling – and is part of a broader sustainability strategy that goes far beyond recycling. This approach aims to maximize the value of materials, conserve natural resources and cut waste. Sharabati is now using energy-efficient lighting for its factories, as well as solar panels and an integrated water recycling approach. And the TC 19i is also an important contributor to its pioneering sustainable practices.

“The Trützschler TC 19i allows Sharabati Denim to transform waste into high-quality yarns,” says Mr. Jameel Zarka, Managing Director of Sharabati Denim. “By cooperating closely with TCC and its local agent in Egypt, Tex Trading and Services, we are able to make our products and processes better every day. We constantly share best practice and discuss innovative ideas together. As a result, Trützschler has enabled us to increase productivity and flexibility – and sustainability too. With the SUPERTIP wire, we can use recycled material to create fibers with the best levels of homogeneity and strength, while giving gentle but effective treatment of short fibers.”

The brand “Tadweer” aims to maximize the value of materials, conserve natural resources and cut waste

Specially designed to optimize recycling

The successful partnership with Sharabati Denim is the latest example of how Trützschler Card Clothing is enabling companies in the spinning industry to reduce their environmental footprint – while also achieving benchmark levels for quality when using pre- and post-consumer fibers and blends.

Trützschler has developed a range of solutions for recycling. This includes fixed carding segments with an aligned profile geometry in connection with the chut feed of the card, which supports an optimum opening and cleaning of tufts from secondary fibers. Special conceptions of flats and special geometries of cylinder wires also ensure the best possible removal of neps. This guarantees a smooth treatment of the individual fibers that come from different sources and categories of waste, and makes it possible to produce sliver with excellent homogeneity.

In addition, the increased stability of the teeth and the quality of SUPERTIP lead to significantly prolonged utilization times of the clothing, especially for challenging applications involving recycling. The profile geometry of the cylinder wire is specifically designed for processed fibers, and ensures optimal running and less cleaning of the cylinder surface.

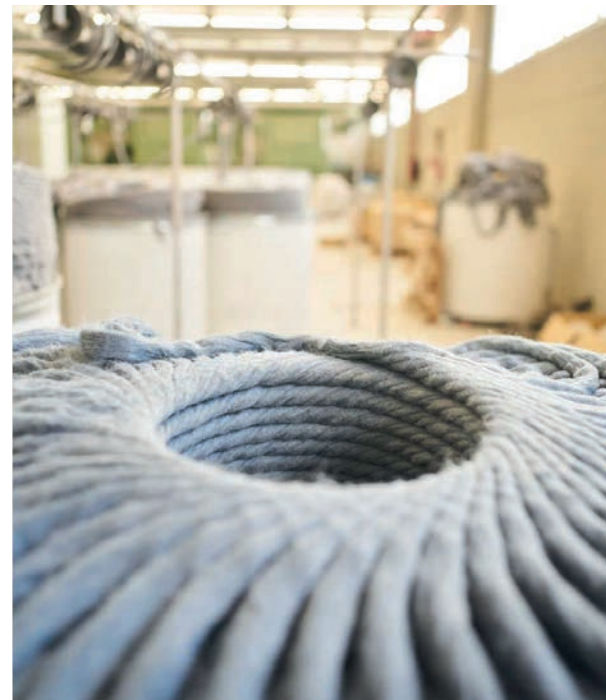
More than recycling

The success of Sharabati Denim reaches back more than four decades into the past. However, the company is also committed to participating in the transition to a sustainable present and future too. Its ambitious sustainability strategy is actively minimizing its impact on the environment. And by working together with experts and equipment from Trützschler, Sharabati Denim is further maximizing the quality of recycled denim and textile products.



Source: <https://www.sharabati-denim.com/>

Sliver made from recycled fibers





Ecowipes grows Tricell capacity

with second Trützschler Nonwovens / Voith
Carded/Pulp line

Author: Jutta Stehr

Ecowipes' headquarters in Warsaw, Poland

Source: <http://ecowipes.com.pl/en/history.html>



The first Carded/Pulp line (CP) at Ecowipes is a constant success due to surging end product demand from international markets. To spur the company's growth, Trützschler Nonwovens and Voith will supply the second CP Line to the Polish producer.

The Carded/Pulp technology by Trützschler and Voith delivers both performance and top-quality products. Voith's BlueLine stock preparation equipment and cylinder mould FloatLip former processes paper-grade pulp, the cost-effective raw material for the paper industry. It delivers an extremely homogeneous wet-laid web. The NCT high-speed card, supplied by Trützschler Nonwovens, lays a light-weight layer of viscose or lyocell fibers on top of it. This configuration allows for a precise layering and an efficient dewatering. Trützschler's AquaJet entangles both layers into an inseparable composite nonwoven with superior functionality. A multidrum dryer and a powerful winder complete the production line which allows for production speeds up to 300 m/min.

Ecowipes' recipe for success is a market high pulp content in the wipe material thus bringing down production costs significantly. For optimizing its production processes, Ecowipes relies on digital solutions delivered especially for the old and the new Trützschler/Voith line. Gabriel Kermiche, CEO Ecowipes, puts it this way: "Trützschler and Ecowipes walked a long way together. When Voith and Trützschler came up with its industrial-scale CP technology a couple of years ago, we took the risk – and it paid. Even faster than we thought. Our CP products are in high demand in Poland, in Europe and even overseas. Based on that technology and with our own in-house process innovations we have developed our patented Tricell substrate."

A CP line for biodegradable composite nonwovens from pulp and viscose fibers





Soccer is for everyone

Author: Kleo Knippertz

Trützschler in China joins social responsibility project from soccer club Borussia Mönchengladbach

Trützschler China is now an active sponsor and supporter of a Corporate Social Responsibility project from the German soccer club Borussia Mönchengladbach.* With the motto “Soccer is for everyone”, the project aims to provide regular soccer sessions for children of primary school age, while also building a sustainable soccer base in Shanghai where professional coaches help youngsters make their sporting dreams come true.

Many people move to Shanghai from other areas of China – and particularly from disadvantaged regions. The parents are attracted by opportunities for work, but this means their children have to leave their hometowns, their communities and their other relatives behind. The children often face financial and social challenges. That’s why Borussia Mönchengladbach, Trützschler and the German kitchen storage solution manufacturer Kesseböhmer are now partnering to help these kids by promoting physical activities and developing important life skills such as teamwork, respect, tolerance and fairness.

“We are delighted that our support enables so many children to enjoy professional soccer training as part of their daily life alongside their school routine. And we are also proud to be a partner of Borussia Mönchengladbach soccer club because they come from the same hometown in Germany as Trützschler,” says Harald Schoepp, Managing Director of Trützschler China.

Martin Thiess, General Manager of Borussia Mönchengladbach in China, adds: “There’s nothing better in this world than smiling children. We are very happy to conduct this meaningful project. Together with our partners, we are supporting these kids and giving them happiness through enjoying exercise and playing soccer.”

We are delighted that our support enables so many children to enjoy professional soccer training as part of their daily life alongside their school routine.

Harald Schoepp,
Managing Director
of Trützschler China

This sporty project offers children a fantastic opportunity to grow and develop, and its ambitions go far beyond scoring goals on the soccer field. It also aims to help create a more harmonious society in Shanghai – and to strengthen the ties of friendship between Germany and China.

*Since 2018, Borussia has had its own subsidiary company (Borussia Mönchengladbach (Shanghai) Sport Development Co. Ltd.) in China that aims to implement local development projects effectively.

My OPTIMeye:

The digital age of filament production

Author: Luzian Hug

Everyone knows performance and efficiency in production are not just determined by the machines that are used. Teams and internal workflows play a big role, for example. And in today's world of connected technologies and networked systems, there's another important factor: Data.

My OPTIMeye helps customers to increase production efficiency by monitoring processes and production data



In fact, a study by management consultants PwC estimates that digitizing production leads to an average increase in production and resource efficiency of 18 percent and a cost reduction of 14 percent.* My OPTIMeye from Trützschler Man-Made Fibers is helping yarn producers to tap into the full potential of their machine data. This Industry 4.0 solution seamlessly integrates our extrusion lines into our customers' digitized production chains, and makes machine data from all sites available at a single place. A web server provides a dashboard-like overview of all Industry 4.0-capable Trützschler production lines. This content can be accessed via the web browser on any device that is connected to the local network, and by any employee who has valid login credentials.

Functions and features

Diagrams, key figures and tables provide meaningful insights into the status of production at a glance. My OPTIMeye also includes tools for alarm analysis, as well as information about machine efficiency and the manufactured product. You can, for example, track each produced bobbin of yarn to its origin and compare machine performances across lines.

My OPTIMeye is quick and easy to integrate into existing planning and control systems like Manufacturing Execution System (MES) and Enterprise Resource Planning (ERP). Currently, it is available for Bulk Continuous Filament (BCF) and new technical yarn installations – thus, for all new Trützschler Man-Made Fibers OPTIMA installations – as well as older systems that were manufactured in 2006 or later.

Ready and waiting

Often, production and process data are already available in the process control system – and are waiting to be used. That's a lot of potential to boost performance and efficiency in production. And My OPTIMeye is ready to help customers turn that potential into valuable results.

*https://www.pwc.ch/de/publications/2016/pwc_studie_industrie_d.pdf



A new Trützschler Nonwovens line for Phoenix Textile

Author: Yu Zhenzhen, Jutta Stehr

2022 started brightly for Hangzhou Xiaoshan Phoenix Textile – when the company switched on its new production line in January. The spunlace nonwovens manufacturer now operates six lines. And this latest addition is the second line launched in close cooperation with Trützschler Nonwovens.

Hangzhou is the capital and most populous city of Zhejiang, China



China is the world's biggest producer of wet and dry wipes. It's home to a huge number of companies that are tapping into ever-growing demand for baby, body and household wipes. Phoenix is one of those companies. Founded in 2001, it specializes in high-quality wipes for domestic and export markets. In 2020, it responded to surging demand by ordering a new production line that is now up and running. The new line is called Spunlace Line 6 – because Phoenix already had five spunlacing lines in service. It is the second line launched in cooperation with Trützschler Nonwovens, and began operating on January 21 this year.

Versatile and modern

Spunlace Line 6 is a high-performance spunlacing line for processing blends of polyester and viscose fibers for light-weight and medium-weight webs. The line is highly versatile, and can also be used to produce biodegradable nonwovens from 100 percent pure viscose fibers or even blends with bleached cotton. Trützschler Nonwovens supplied equipment for opening and blending, as well as a NCT high-speed card for web forming, an AquaJet hydroentangling machine, a multidrum dryer and a winder.

Trust-based partnership

The close cooperation between Phoenix and Trützschler has gone from strength to strength in recent years. The relationship began in 2019, when Mr. Shi Chengkuang, General Manager of Phoenix Textile, visited the Nonwoven Customer and Technology Center in Egelsbach, Germany. At that time, Phoenix was still in the planning phase for Spunlace Line 5.

Trützschler's high-performance equipment made a positive impression because of its capacity to support Phoenix's big plans for growth in the highly competitive Chinese wipes market. Now, a third Trützschler Nonwovens spunlacing line is expected to begin operating in August 2022.

"We continuously choose to cooperate with Trützschler because of our trust in its equipment and services", says Mr. Shi Chengkuang.

The opening ceremony



The NCT high-speed card in Phoenix Textile's Spunlace Line 6



A new era for Trützschler in India

Author: Rajesh Padalkar

One stone can sometimes make a massive impact. On April 5, Trützschler celebrated the laying of a foundation stone for its new 164,000-square-meter factory near Ahmedabad in India. It will open up enormous potential to meet our customers' needs in India and around the world. And the state-of-the-art facility is another big step forward for our growing business.

The first stones are buried in the ground





F.l.t.r.: Dr. Michael Schürenkrämer, Shareholder of Trützschler Group SE, Dr. Roland Münch, Chairman of the Supervisory Board of Trützschler Group SE, Mr. Anuj Bhagwati, Managing Director of A.T.E., Mr. Joseph Thomson, Managing Director of Trützschler India, Mr. Jayesh Bhatt, Member of the Board of Directors of Trützschler India, Mr. Kashyap Bhavsar, Vice President Finance of Trützschler India, Mr. Ashish Sharma, Vice President Sales, Marketing and Service of Trützschler India

Since 1977, Trützschler India has operated at its current location in the Narol area of Ahmedabad. It's now time to relocate to a larger and more modern facility that can further strengthen the company's competitive edge and boost its capacity to serve customers.

The new factory in Sanand will feature a 67,000-square-meter production area plus a two-floor office building covering 6,000 square meters, including landscape gardening architecture. The plans for the site already include possible expansion phases – because Trützschler India is always focused on growth.

The stone-laying ceremony was performed by Dr. Michael Schürenkrämer, Shareholder of Trützschler Group SE, Dr. Roland Münch, Chairman of the Supervisory Board of Trützschler Group SE, Mr. Jayesh Bhatt, Member of the Board of Directors of Trützschler India, and Mr. Anuj Bhagwati, Managing Director of A.T.E. Together, they launched the process of building a modern factory that will boost Trützschler's capacity to produce spinning preparation machines and card clothings. In addition, the site will also include a new facility for making nonwoven equipment.

Modern manufacturing

Trützschler's new factory is designed to incorporate an impressive range of innovative and sustainable features. It will have a solar rooftop, natural daytime lighting, solar-powered air conditioning and solar-operated street lights, as well as charging points for electric vehicles, heat-reflective tiles, a rainwater collection system and a zero-wastewater discharge approach. It will also use cutting-edge systems to monitor and reduce emissions, and will use automation and Artificial Intelligence to optimize its processes. In this way, the new site is being designed to meet the requirements for ISO 9001:2008 and ISO 50001-2018, while also fulfilling the criteria for the "Gold" rating from the Indian Green Building Council (IGBC).



The stone-laying ceremony performed by Dr. Roland Münch, Mr. Anuj Bhagwati, Dr. Michael Schürenkrämer, Mr. Jayesh Bhatt (from bottom to top)

The new site will carry forward its constant focus on boosting efficiency and productivity – while reducing waste and emissions. This enables the company to maximize the value it creates for customers in India and around the globe, while also minimizing its environmental footprint.

The company already operates a lean manufacturing approach and 5S concept, with initiatives such as quality circles, daily reviews and regular cross-functional interactions.

Training from Trützschler

Alongside its manufacturing facilities, this new location will also host a Customer Training Center. Experts from Trützschler will share their knowledge and help customers to stay up-to-date about the latest trends and technologies. An expanded Trützschler Training Academy will also enhance the company's capacity to train young people with employable skills so that they can support their families. This project is fully aligned with the government's "Skill India Mission".

"Trützschler India is committed to serving the growing domestic and international demand with our cutting-edge products," said Mr. Joseph Thomson, Managing Director of Trützschler India. "With this new facility, we aim to further strengthen our position in the textile market in India."

Trützschler Nonwovens at IDEA 2022

← Exhibit Entrance

caption

Author: Jutta Stehr

IDEA, the North American nonwovens show, took place in Miami from March 28 to 31. The Trützschler team focused on the needs of the American market. It was about local service, the efficient production of sustainable nonwovens and the digital support of production processes.

Tomorrow's successful products are sustainable

Trützschler Nonwovens has industrially realized market leading lines for production of sustainable, biodegradable nonwovens. With regard to cotton fibers, we showed efficient solutions for processing virgin cotton, comber noils and blends of viscose and cotton. Another focus was on the leading Voith/Trützschler concepts for wet-laid, hydroentangled WLS and carded/pulp (CP) nonwovens. High-quality nonwovens made from viscose fibers and NBSK (Northern Bleached Softwood Kraft) pulp, the raw material for the paper industry, not only offer an excellent cost/performance ratio, but also a small CO₂ footprint. Trützschler Card Clothing provided information on the Z-wire. Its innovative contour keeps fibers on the roll even at the highest speeds, thus minimizing fiber flight inside the card.

Digital solutions optimize the production floor

Nonwovens producers have two primary goals: Guaranteeing the quality of the products and always having costs under control. In times of COVID, however, it is becoming increasingly rare that the production floor is manned by a fully trained team. In order to ensure lasting quality, Trützschler Nonwovens presented a modular, digital work environment that systematizes, digitizes and simplifies typical work processes. With the help of Industry 4.0, technologies, line, process and quality data relevant to a production lot can be stored, aggregated, visualized and analyzed with regard to process improvements.

Trützschler USA – a reliable local partner

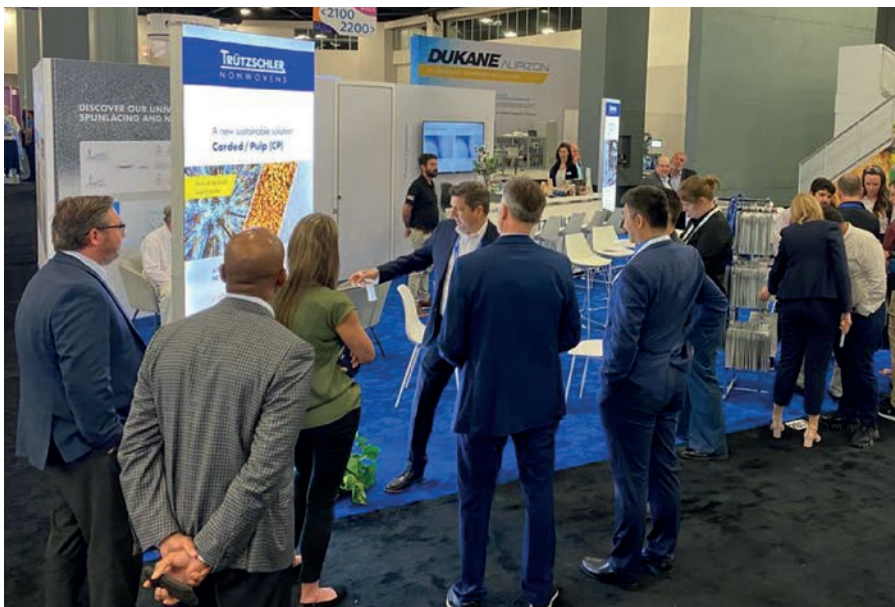
With its headquarters in Charlotte, North Carolina, and more than 100 employees, Trützschler USA is the first point of contact for all matters relating to American nonwovens producers. The company is able to equip and convert machines according to customer specifications (certified UL508A panel shop), carry out factory acceptance tests and a wide range of repairs in Charlotte. Trützschler USA has most flat-top card and roller card clothings in stock. Mobile service teams for rewiring are available 24/7.

Successful search for sustainability

Trützschler picked the hottest topics to discuss at IDEA. We offered visitors a wide choice of nonwoven samples from cotton fibers, as well as natural fibers like hemp and bast, and cellulose-based fibers such as pulp, viscose and lyocell. Most visitors at the trade event were on a mission to search for sustainability. In fact, many nonwoven producers were eagerly looking for suitable alternatives to petroleum-based polyester fibers – and we were more than happy to provide solutions!



Happy Trützschler team at IDEA 2022



Impressions of the Trützschler booth at IDEA

IDEA[®]22
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