Customer Relation
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it´s true

TRÜTZSCHLER

Content

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Cover picture:
The intelligent Card TC 19i

Dear Customers,
dear Business Partners,

The year 2020 got off to a promising start for us: After the textile industry had been in a challenging market situation during the last half of the year, we felt a lively demand from our main markets again.

The new Truetzschler Card TC 19i was successfully introduced at the beginning of the year, receiving excellent feedback from the market. Other innovations presented by us at ITMA 2019, such as the Portal Bale Opener BO-P, are already in use by many customers. The digital solutions of Truetzschler My Wires and My Mill have also received very positive feedback from our customers and it is clear that we have set new standards in some segments. In conjunction with our intelligent machine solutions, customers increasingly benefit from higher productivity, efficiency, quality, optimum raw material utilisation and sustainability. The vision of the intelligent spinning mill is taking shape and is being gradually extended.

The Corona pandemic changed the world at one swoop. In times like these, it is all the more important to be able to count on a reliable partner. We continue to supply our customers and are in close contact with them. For our customers it is important that we do not lose speed despite Covid 19. Our employees all over the world act in solidarity - be it in their work at the customer's site or with social commitment for the community. We are optimistic that we can master the situation together with you as customer or business partner and continue to look positively into the future.

For Truetzschler, the Corona crisis does not mean a standstill. With the establishment of a new service company, we want to meet the growing market in Vietnam and serve our customers even more effectively at a local level. We also have some personnel news to report: The Truetzschler location of Man-Made-Fibers in Winterthur has been managed by Matthias Schemken since September 2019. Since February 2020, the Truetzschler Nonwovens Division also has a new Managing Director, Mr. Klaus Dieter Wolf.

We thank you very much for your high degree of commitment, especially in these difficult times, and hope you enjoy reading our „It's true" magazine and gain interesting impressions. Please stay healthy and keep a positive outlook despite the pandemic!

Kind regards,

Dr. Christof Soest

New TC 19i delivers outstanding results

Author: Dr. Bettina Temath

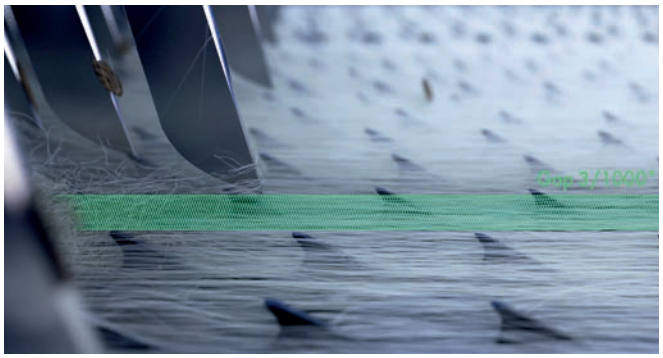
- Up to **40%** less yarn imperfections
- Up to **40%** more production
- Up to **2%** raw material savings
- Several hundreds of intelligent cards sold since launch in January

Only a few months after its launch, the new intelligent Truetzschler card TC 19i has proven its performance in customer applications in key textile markets. TC 19i achieved up to 40 % less yarn imperfections and up to 40 % more production in new installations.
At the same time, TC 19i demonstrated significant raw material savings of up to 2 % at a consistent yarn quality level.

Several hundreds of intelligent cards sold since January demonstrate that Truetzschler is responding to some of the most pressing challenges faced by yarn manufacturers: Producing consistent quality and reducing cost of ownership.

Intelligent functions improve quality, productivity and raw material utilization

"With the new intelligent card, we can achieve consistently high quality and productivity with very little effort", confirms MD Moshiur Rahman, General Manager at Badsha Textiles Ltd. in Bangladesh. Badsha Textiles Ltd. is a leading textile conglomerate and producer of a range of high-quality carded, ring and open-end yarns in state-of-the-art spinning mills.



The carding gap between cylinder and flats: In processing cotton, keeping a precise and narrow carding gap is decisive to achieving maximum quality and productivity.

The company trusted Truetzschler to deliver on its promises regarding the performance of TC 19i – and has not regretted its decision yet. In a production of cotton ring yarn, for example, the TC 19i achieved a 35 % reduction of yarn imperfections at 90 kg/h. MD Moshiur Rahman explains:
"The gap between cylinder and flats is crucial to ensure quality. In conventional machines, the minimum gap which we could get was 3/1000". The TC 19i makes it possible to get 1/1000". Such narrow carding gaps, which are thinner than a piece of paper, are decisive to achieve maximum quality and productivity, especially in processing cotton.

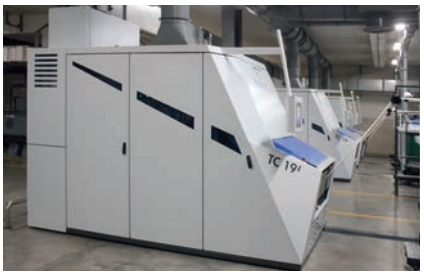
Moreover, this process has become fully automatic: "Before using TC 19i, skilled technicians had to optimize the gap after dismantling the machine. But now this happens through the efficient and precise use of software. The advantage of quality adjustment on a running carding machine was quite unimaginable before. With TC 19i it can be done effortlessly", says MD Moshiur Rahman.

At the same time, the new card allows raw material savings of up to 2 % – and this by just one click on the card's display.
"Before we worked with TC 19i, my team spent quite some time on inspecting the card waste regularly and adjusting the knife settings" reports MD Moshiur Rahman. This is now a thing of the past: The TC 19i with WASTE CONTROL monitors the carding waste, gives recommendations and adjusts the knife automatically.

> We have three state-of-the art spinning mills and ensure that all our machines run with ideal settings at all times. Therefore, I expected that it would be a big challenge for the TC 19i to demonstrate improvements. Nevertheless, the TC 19i reduced yarn imperfections by 25-40% and led to an almost double-digit production increase while losing less good fibers. The TC 19i passed the test!
>
> *Mr. Zahid Ahmad, Technical Director at Riaz Textile Mills, a leading supplier of denim yarn in Pakistan*

Christoph Weber, Managing Director Truetzschler Turkey and Hakan Karagöl, Operations Director at Iskur Group, Turkey

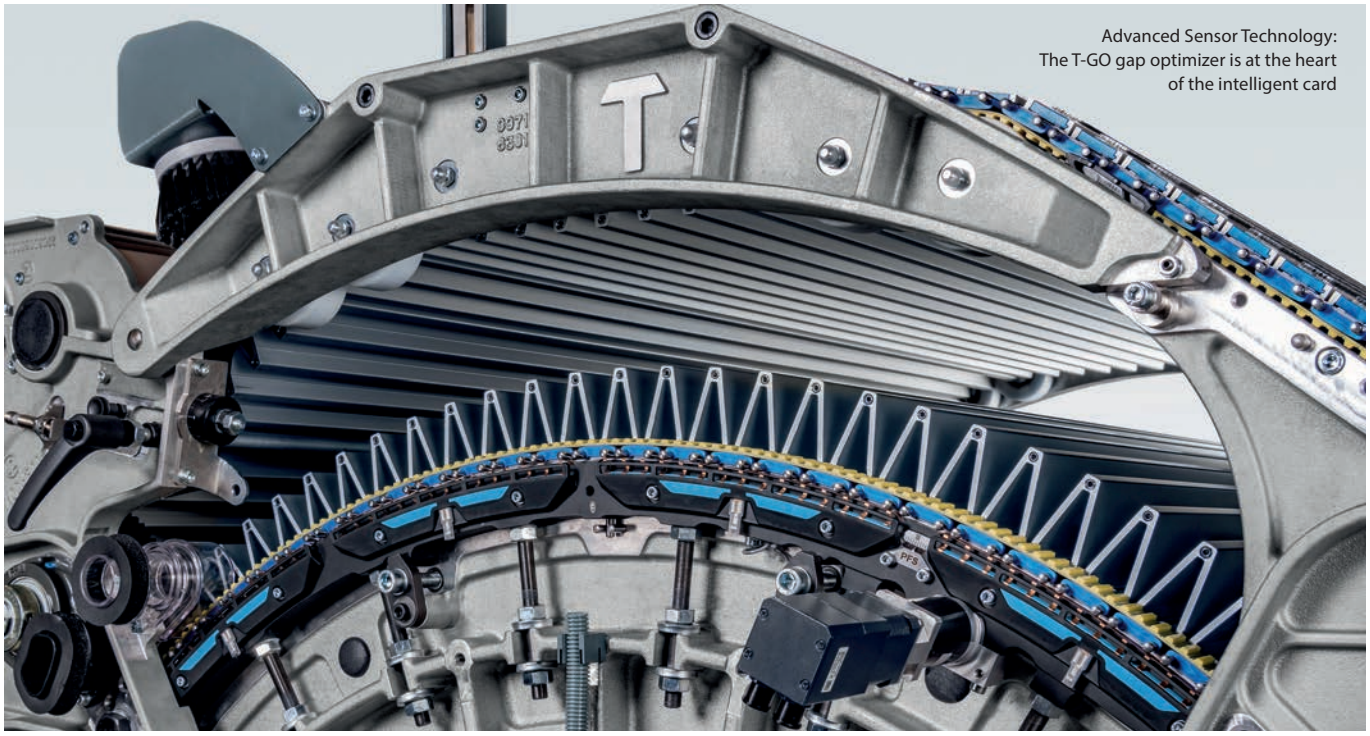
Truetzschler Service Inspector Fatih Sabance (left) and Faruk Alic, Operations Director at Sireci (right) in Turkey



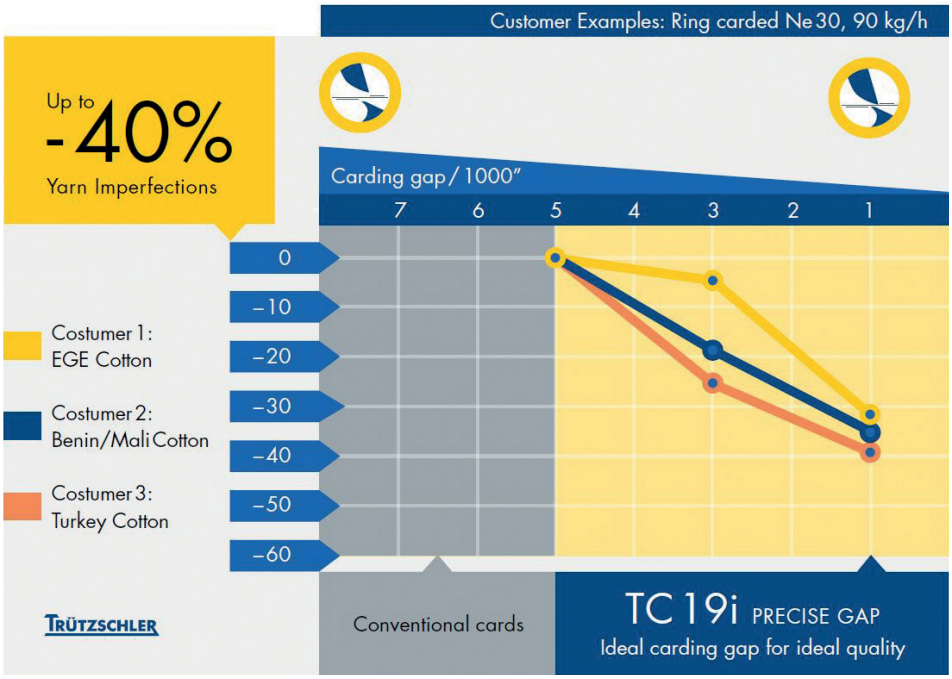
TC 19i installation at Badsha Textile Ltd. in Bangladesh

TC 19i installation at Iskur

The Truetzschler customer service team at customer Riaz Textiles, Pakistan: Andreas Scherf, Mr. Saeed and Marcel Peinelt (from left to right)



Advanced Sensor Technology:
The T-GO gap optimizer is at the heart of the intelligent card



By narrowing the carding gap to 1/1000" – for comparison: 3/1000" is thinner than a piece of paper – yarn imperfection were reduced by up to 40 % in these carded ring yarn productions.

> I like that the TC 19i reduces good fiber loss and energy consumption while delivering better quality at the same time. All of this can be reached very easily through its self-optimization functions.
>
> *Hakan Karagöl, Operations Director at Iskur Group, one of the leading manufacturers of ring and OE yarn in Turkey*

In other key textile markets, such as Turkey, Uzbekistan, Pakistan and Mexico, the TC 19i demonstrated similar significant advantages in terms of quality, productivity, raw material savings and handling and energy efficiency. Ibrahim Aslansoy, owner of Ahmet Aslansoy Tekstil in Turkey and producer of high quality cotton yarns, including yarns from recycled fibers, is very pleased with the performance of the new TC 19i:
"When we installed and tested the TC 19i, we found that at an increased productivity of almost 40 %, yarn imperfections were drastically reduced in comparison with the previous machines. The constantly precise and automatic setting makes the difference!"

At Sireci Tekstil in Turkey, a leading manufacturer of carded and combed ring yarn, the TC 19i has also delivered on its promise. "We are now able to increase production by about 40 % with almost no compromise on quality in carded ring yarn, and tremendously improved quality in combed ring yarn production", says Faruk Alic, Operations Director at Sireci.

Results and customer feedback from the numerous new installations worldwide show that customers can create more value from their raw material with the TC 19i and are able to increase productivity and quality flexibly. Moreover, the results are independent of technician, temperature, wire condition or production rate. Only a few clicks on the display are necessary, and the intelligent card sets and keeps the ideal carding gap automatically and permanently.

Advanced sensor technology: T-GO gap optimizer
"At the heart of the intelligent card is the T-GO gap optimizer" explains Armin Leder, Director of Truetzschler's global R&D department. " In combination with our T-CON sensor system it enables our card to know and adapt the real carding gap at all times during operation and under changing production conditions. This ensures constant precision. No competitor card can achieve this. The TC 19i is the first intelligent card and an economical and ecological solution for the demands of state-of-the-art spinning preparation."

From waste to high-quality yarn

Contributing to the sustainable use of cotton with IDF 2

Authors: Eva Trenz / Franz Kunkel

From left to right: Mr. Sekar, Mr. Saidov, Mr. Prakash

The demand for clothing is increasing worldwide – but areas for cotton cultivation are limited.
Truetzschler contributes significantly to the sustainable use of this valuable raw material with future-oriented technologies that enable the production of high-quality yarns from cotton waste.

Using your own waste - a clever concept
One example of a successful sustainability concept is Bakan Tex in Uzbekistan. The company was founded in Tashkent in 2017 after the government decided to promote the entire value chain around the domestic textile sector.

Bakan Tex produces first-class combed ring yarn. In the process, the so-called comber noil, which contains short fibres and neps that are undesirable in high quality combed ring yarn, is combed out at the combers. As the fibres have already passed through the blow room and over the cards, it is a high-quality "waste".

Comber noil is a recyclable raw material which is used, for instance, in banknotes or hygiene products. It can also be spun into excellent rotor yarns. This is made possible by shortening the process through the use of Integrated Draw Frames (IDF).

The IDF allows to process significantly shorter fiber length into a good yarn. The yarn is of excellent quality even if 100 % comber noil has been processed. Until now, this has not been possible without the shortened process.

Interview with FT Textile
Bakan Tex already uses this great potential. The subsidiary FT Textile, founded in 2019 – a rotor spinning mill which processes the noils of Bakan Tex – is operated by 250 employees. 22 IDF 2 produce the feed for 8640 rotors. Furthermore, the company invested in additional IDF machines and a recycling plant to process blow room and carding waste with the short preparation process. We spoke to Mr. Sekar Rajam (CEO of FT Textile), Mr. Jaya Prakash (Quality Production Manager) and Mr. Abdukayum Saidov (Director) about the advantages of the shortened process with IDF. ▶

Mr. Sekar and Mr. Prakash in their cotton field

What made you decide to process your own noils with IDF2? What convinced you of this concept?
FT Textile At FT Textile we rely on OE spinning. We use 100 % raw cotton, but also cotton mix with waste (comber noil). This process allows excellent processing of short fibres (fibre length 20.6 mm) into yarn.

What are the main advantages of the shortened process for your spinning mill? Does it open up savings potentials for you?
FT Textile This process is particularly suitable for us, since we can use short waste fibres produced during combing, in addition to so-called virgin cotton, without any problem. This not only saves raw materials, but also space, energy and personnel.

How much yarn do you already produce with the shortened process? And how are your future plans in this respect?
FT Textile So far we have produced an average of 450 tons per card. We produce yarn from Ne 10 to 36. In the near future, we expect to produce at least 1,000 tons of yarn per card with consistent quality.

What blending ratio do you use? And how much waste and raw cotton do you blend?
FT Textile We produce with three blending ratios: The first blend consists of 100 % raw cotton, blend 2 of 80 % cotton and 20 % waste. Blend 3 contains only noils.

How do you assess the yarn quality? What do your customers say?
FT Textile Excellent! We are extremely satisfied with the quality. We have not yet received any major complaints from our customers.

For which end products are the yarns produced with the shortened process (IDF2) used?
FT Textile Our customers mainly come from the knitwear and woven fabric sector.

In your opinion, what are the ecological advantages of this process?
FT Textile The most important advantages for us are the significant energy savings and the reduced space requirement. Also important for us is the fact that we need less personnel due to the simplified can transport.

How do you assess the future significance of the shortened process?
FT Textile We are convinced that the shortened process will continue to be important for us.

The shortened process:
a model for a more sustainable future
Our practical example illustrates the particular advantages of the shortened process with IDF 2. Thus, the current challenges of saving raw materials and energy are met by us and our customers. In addition to FT Textile, the shortened spinning preparation process is already used by other customers to process their own comber waste into high-quality rotor yarns.

Standard process ▲

Shortened process with IDF ▶

Cotton and environment

The demand for textiles and thus for cotton products is growing steadily due to population growth and increasing per capita consumption as a result of economic prosperity.

Cotton is cultivated worldwide on an area as large as Germany. However, cotton production cannot be increased at will, as agricultural areas are limited.

In addition, the plants require warm climatic conditions and an extremely large amount of irrigation. Furthermore, they are treated with pesticides and insecticides and thereby account for ten percent of global pesticide and fertilizer consumption.

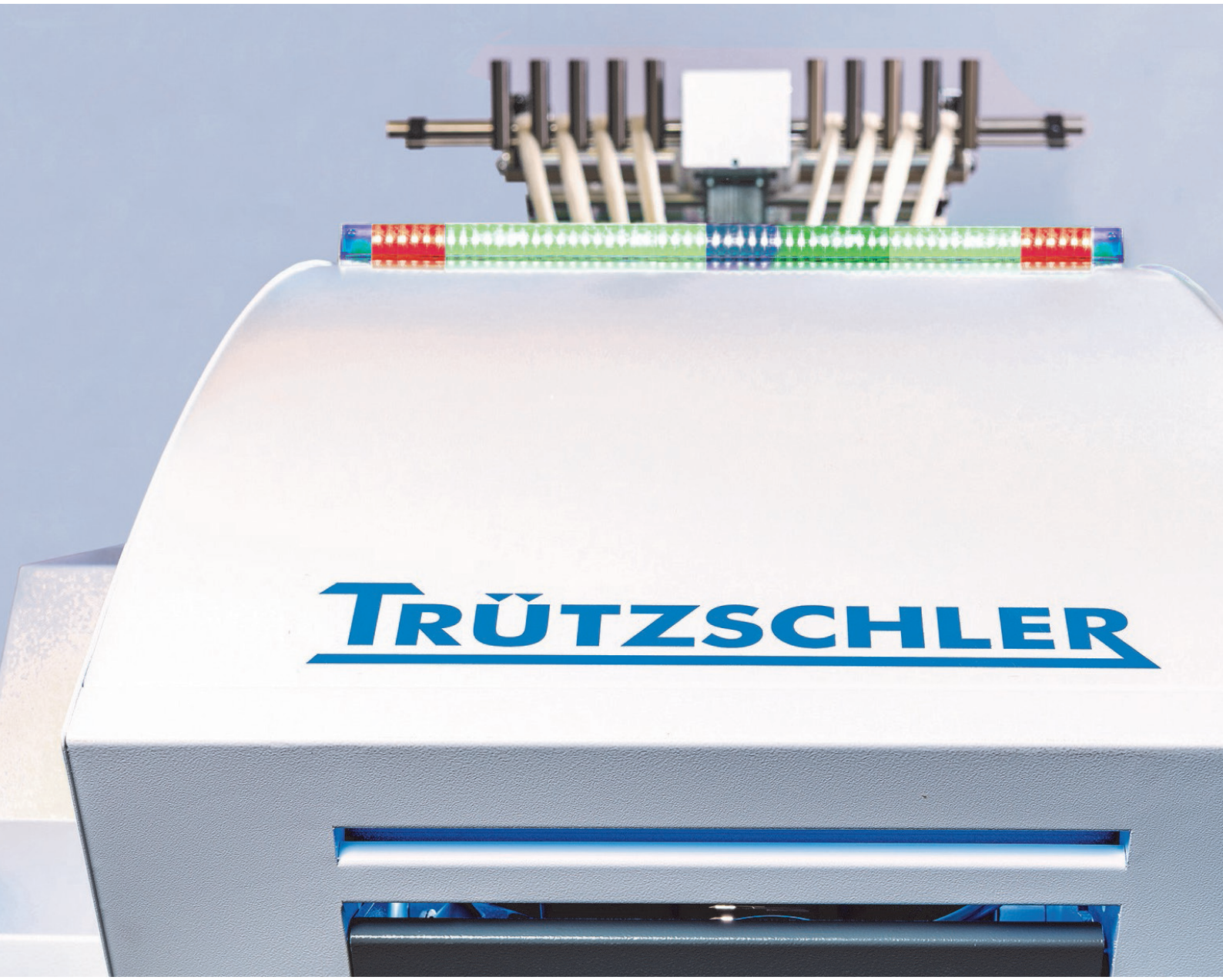
Cotton is therefore a highly sought-after but also controversial raw material. That is precisely why efficient use is necessary. This circumstance is countered on the one hand by adding synthetic fibres to cotton, and on the other hand by sustainable methods of utilising the raw material.

Since 2019, both the production and the processing of sustainable cotton have been supported by the Federal Ministry for Economic Cooperation in the countries of Uzbekistan, Cameroon, Burkina Faso and India. Existing platforms and initiatives worldwide are integrated to increase sustainability in the cotton industry. Among other things, training courses for farmers on more sustainable cultivation methods are offered within this framework.

T-LED

Informed at the speed of light

Author: Eva Trenz



Light guides our perception. Whether the turn signal on the car, the indicator lamp on the oven or – much more romantic – a sunset: In all cases, light has an immediate meaning. With T-LED, this principle was transferred to Truetzschler machine technology.
The combinations of the illuminated LEDs indicate more than "OK", "Warning" or "Fault". In particular, information on productivity and quality can be read at a glance – from afar.

Watch this video about T-LED

Imagine standing in a spinning mill. A great hall, long distances and a large number of machines whose operation must be checked. Signals and information must be understood and prioritized, so that production is affected as little as possible by disturbances. With T-LED, Truetzschler simplifies this important communication process immensely: Machine operators can read the machine status quickly and from a distance using colored light signals and take the necessary measures immediately.

At first sight
T-LED concisely displays the status of the respective machine and thus enables controlling an entire production process remotely - even with little staff. Intuitive human-machine interaction is provided by easy-to-remember lighting combinations. The employee knows instantly what the machine needs for further operation and can react accordingly. If, for example, he sees a yellow running light on the distant machine, he knows hat new cans are needed. The operator immediately sets off with the empty cans.

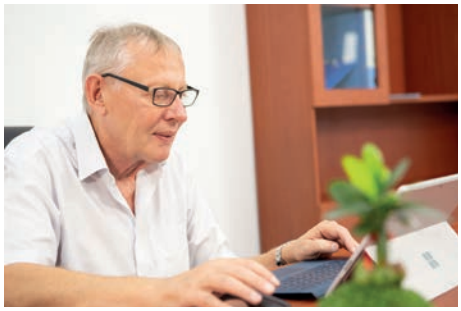
The intelligent use of light – for less downtime, improved machine efficiency and higher productivity
T-LED not only avoids unnecessary movements, but also helps to set priorities in order to maintain production and avoid downtime. Errors and faults are primarily displayed to allow a quick response. In addition, quality and productivity data, such as sliver count variations or fill quantities, can be displayed. With TD 10, for example, it is important to be informed about the quality limits of the CV value, while on breaker draw frames it can be useful to display can filling quantity. These different displays are freely selectable and can be adapted to individual requirements.

T-LED – a component of digital transformation
Spinning mills today face the great challenge of finding qualified personnel for their machinery. Where there is a shortage of staff, the digital transformation should intervene. Truetzschler supports this transformation in addition to its digital solutions with intelligent machine concepts such as T-LED. These make it possible to maintain production continuity at a high level even with few personnel.

Truetzschler in Vietnam: New service company founded

Authors: Herbert Mehl / Laura Hartmann

Vietnam is one of the top textile producing nations in the world and its textile exports continue to rise. Truetzschler has been active in the Vietnamese market since decades, using the premises and warehouses of the local sales agency. In order to fulfil the growing demand and to serve customers even better, Truetzschler decided to establish its own service company in Saigon.



Left: Herbert Mehl, General Director,
and on the right Mr. Umesh, Operations Director
Truetzschler Service Vietnam

In close cooperation with the global sales team and the local agency, all services run through the new corporation. Covering 740 square meters, the new site includes a repair workshop, a warehouse for spare parts and wires, spacious customer training rooms and offices for local staff and customers. With many years of experience in the market, Mr. Herbert Mehl serves as General Director of the company. The service team, which includes technologists, electricians and mechanics, is led by Operations Director Mr. Umesh.
"Over the years we have developed a great team in Vietnam. We are proud that with our new premises we can support our customers with an even more exclusive service, e.g. fast availability of spare parts and on-site customer training," says Mr. Mehl.

Cooperation with Truetzschler Shanghai
More and more companies have shifted their business from China to Vietnam in recent years. To serve investors with headquarters in China, Truetzschler Vietnam works together closely with Truetzschler Textile Machinery (Shanghai) Co., Ltd. (TTMS).

"Project planning and machine sales is carried out by TTMS, while after sales service and wire management is handled from Vietnam," explains Mr. Mehl.

Truetzschler service stands for itself
Comprehensive service is a fundamental pillar of the Truetzschler philosophy. The Vietnam service team is widely appreciated by customers in the country.
Mr. Nakkeerar, Deputy General Manager at Evergreen Industries Vietnam Company Limited states: "I personally have had a good relationship with the Truetzschler team for 25 years, especially for the past eleven years in Vietnam. We receive fantastic support; I can simply say they never let any of the machines come to a stop. Their support team comes to us immediately after we place a call."
For Evergreen, the selection of machines is one of the most important success factors. The customer sees Truetzschler as a benchmark in spinning preparation. "In both of our units we have chosen Truetzschler machines only for spinning preparation. For the last 10 years, the machines have been performing well and give us the advantage of always achieving the highest possible quality", says Mr. Nakkeerar.

Costumer Portrait

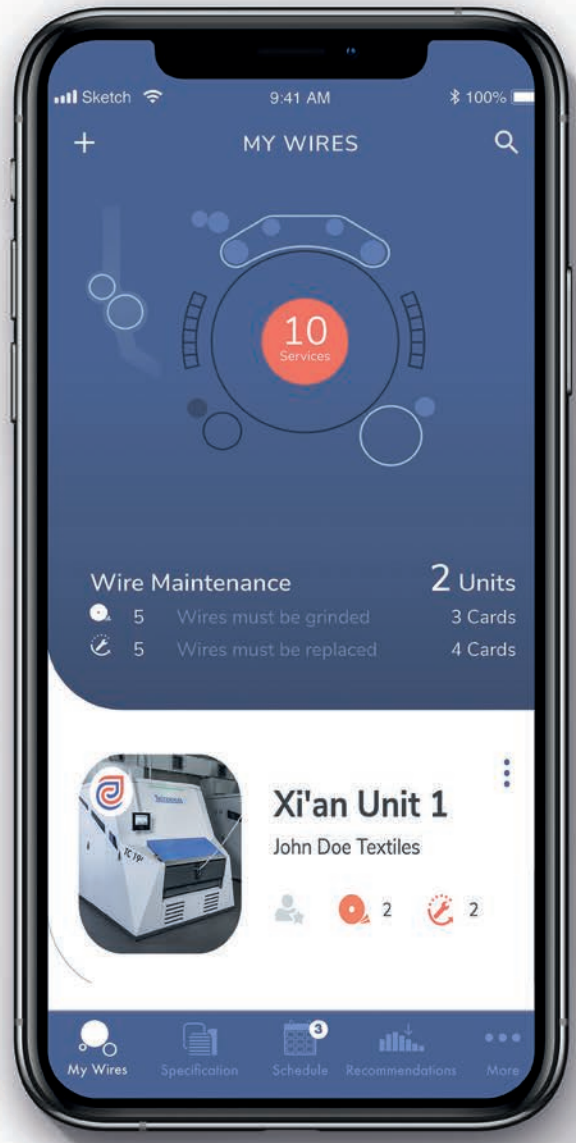
Evergreen, Vietnam

With 240 employees, the customer produces 22 tons combed cotton yarn per day in a compact spinning process with 37.000 spindles. The end product is below 5 % Uster.
Card production is on average 60 – 70 kg per hour, the highest yarn count is Ne 40.
80 percent of the goods are exported worldwide, the rest is sold in Indonesia.

Truetzschler set up at Evergreen:
- BO-A for two blowroom lines (SP-MF, CL-P, MX-U, CL-U, TS-T3)
- 4 Twin Breaker TD-9T
- 9 Finisher TD 10
- 18 Cards TC 15
- 3 TSL
- 17 TCO 12

Watch this short video about Truetzschler and Evergreen

My Wires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3 Cards
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Specification
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Recommendations
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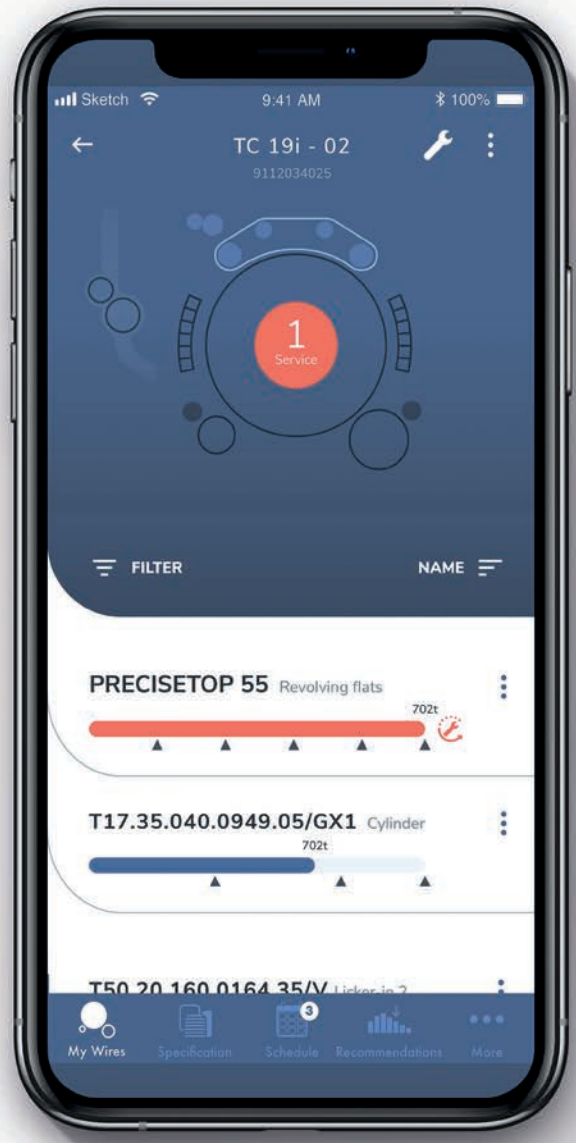
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Specification
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Recommendations
More

The smart way to manage card clothings

Author: Markus Mosebach

At Truetzschler, digital transformation is not only a buzzword. From intelligent machinery to digital mill monitoring and service offers, Truetzschler has developed a range of solutions that make processes easier and more efficient. One case in point is the new My Wires app, which facilitates the digital handling of all tasks related to clothing management.

Within the first weeks after the introduction at ITMA 2019 in Barcelona, more than 400 users from 22 countries started to actively use the application.

Stop counting days and digitize in minutes
When it comes to tracking the wear of their carding wires, many mills still rely on pen and paper. The employees manually note daily how many days each card has run between services. This tracking method means a lot of work and nobody can access it in real time.

How to simplify wire management?

It's Easy! With the My Wires app.

Cloud-based solution
The digital offers are cloud-based and extremely secure. Truetzschler relies exclusively on the highest security standards.

How does it work?
My Wires tracks the wear automatically and according to the customers' needs. This applies to all cards and wires, independent of manufacturer. Scanning of new wires starts an automatic tracking. Users can opt for push notifications to remind them of important upcoming events, like when a wire must be replaced. Now it is possible to plan the maintenance for the next month and generate order lists.

Need a starting point for superb quality?
Over the years, Truetzschler has developed its know-how on the interaction between cards and their clothings. My Wires already includes the maintenance recommendations of the premium partner Truetzschler Card Clothing. In case customers have worked out their personal best results, they can set the recommendations to their specific needs. Push Notifications will notify them of any upcoming services.

Benefits of your Truetzschler account
The owners of a free My Identity account (https://myidentity.truetzschler.com/) can now combine their benefits. Initially, My Identity users could access the web shop and retrieve the spare parts list for their machines as soon as they were commissioned. With My Wires, they can use the same login and do not have to remember another password. Even better, all their projects, cards and wires are available as Easy Setup in My Wires, allowing them to digitize their complete wire management process in a few minutes.

Easy ordering
If the customer needs to plan the upcoming orders for the next month or year, My Wires provides him with an exportable schedule that already contains the correct article numbers. This allows a better overview and a faster internal purchasing process.

My Mill

Author: Janine Terhorst

My Mill is web-based and works perfectly on all screen sizes and devices. Therefore you are always well informed and able to take action at any time.

Whether information on production, quality, maintenance or simply a complete overview – with My Mill, plant managers can meet every individual need for information. Plant managers can now make informed, data-based decisions from day one and achieve quick wins. Especially in times of COVID-19 it is essential to focus on the bottlenecks, to remain operational and therefore profitable. My Mill enables spinning mills to generate profits faster, bundle resources, optimize processes and save costs.

What if the investment in digitizing a spinning mill pays off in no time?

The current crisis forced many companies to push their digital transformation. What has kept companies from digitalizing earlier may be the fear that new tools will have a negative impact on already established processes. With My Mill, Truetzschler put a special focus on quick wins. Not all spinning mills have a fully equipped IT department with full-time employees.
The goal is to guide customers intuitively to their focal points and provide them with individually expandable analyses for production, quality and maintenance at any time.

An easy-to-understand data preparation makes it possible to discover optimization potentials immediately and to plan resources sensibly. Fault statistics, shift data and quality comparisons provide a solid entry point to focus on production bottlenecks and quality limiters. Notifications appear when attention is required, e.g. when a machine exceeds its limits.

My Production – the ideal My Mill extension

The My Production app is the perfect companion for managers on the go. They can find out about their current production with just a few touches on their smartphone – anytime and anywhere. My Production shows an overview of the complete installation down to detailed information at machine level. Push notifications will inform users when an action is required.

More information:
www.my-mill.com

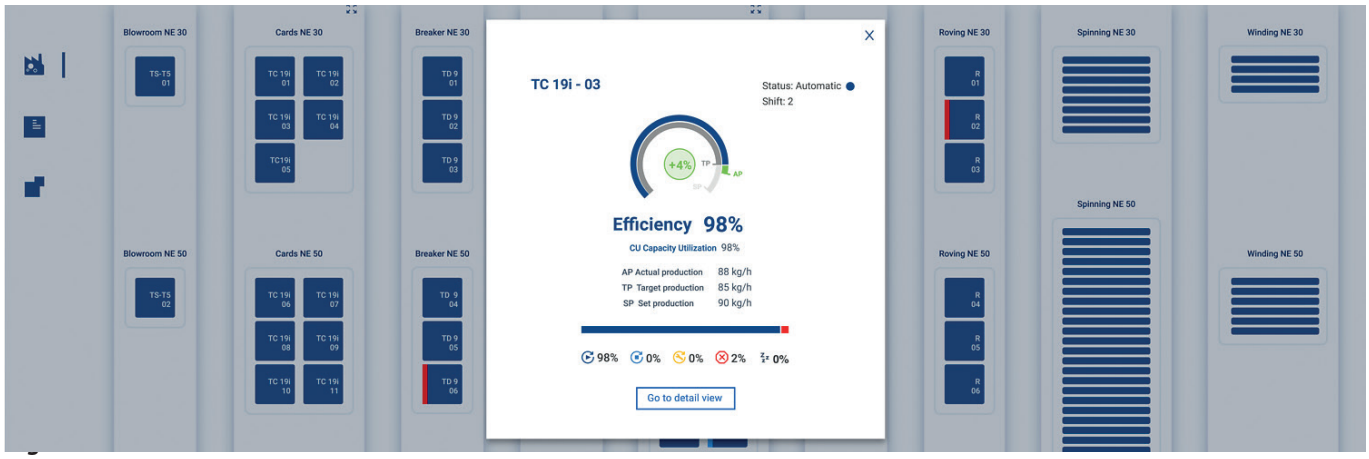
Interfaces for data exchange

Spinning mills very often have a heterogeneous machine and laboratory environment. Data acquired in one system might be required by another system. My Mill provides the possibility of an external interface, so users can utilize the data generated by Truetzschler machines as required in their mill. In addition, My Mill can also be used for data from other manufacturers.

Cloud-based solution

In terms of cyber security, Truetzschler's digital offers are cloud-based and extremely secure. The applications rely exclusively on the highest security standards.

Current machine data in real time.



BO-P in China

Author: Yu Zhenzhen

High production, gentle opening for smaller tufts and better blending, space savings and low maintenance: These are only some of the reasons why Chinese customers widely appreciate the new Truetzschler Bale Opener BO-P. While sales figures continue to rise, numerous customer installations have been successfully put into operation.

Truetzschler installation engineer Mr. Zhao

Lanxishi Huamian Textile Co., Ltd. is a well-known manufacturer for open end yarn in China, producing 80 tons/day. The company also invested in a rotor spinning factory in Vietnam with a 30 tons/day production. It is the first Chinese customer equipped with a BO-P featuring a 2.9 m working width and 45 m length. "We have cooperated with Truetzschler Shanghai for ten years. The continuously good product performance, professional staff and the reliable after-sales service gave us the confidence to be the first BO-P user in China. As we expected, the result is as good as Truetzschler promised", says Mr. Wu, owner of Huamian Textile Group. "We will be happy to be the first user in China for further new equipment from Truetzschler."

With working widths of 2,900 mm or 3,500 mm, the portal bale opener not only allows high productions of up to 2,500kg/h or 3,000kg/h, but also flexible bale placement. Thanks to the portal design, the machine can be positioned close to the wall with free access to the bale lay-down area. "It is one of the most important arguments for customers who want to modify the old facility with limited space", explains Chinese Spinning Sales Manager Mr. Chen Jie. "We have one customer in Hunan Province who has four disk pluckers. Due to his production limitations, the customer has to arrange two to three shifts for raw material filling in one day, which is a big headache. After seeing our BO-P at Shanghaitex, this customer decided to purchase one on site. About half a year later, the customer is happy about the fast delivery and that his problems are solved."
In addition to the larger working width for more bales, the two opening rollers have also been redesigned. With an increased tooth density and the intelligent bale pressure measuring system, the new BO-P is able to produce smaller tufts than competitors. Smaller tufts allow for better blending and a more efficient removal of dirt and dust particles in downstream blowroom processes. As a result, less valuable good fibers are wasted.

The Wujiang region in China is one of the largest textile clusters for vortex spinning and weaving. By the end of May we had sold BO-P machines to this area. Mr. Yethe, plant manager of Suzhou Xingjingze Fiber Science & Technology Co., Ltd., says: "We are satisfied with the high production and high efficiency of BO-P. Due to fewer motors and wear parts, BO-P saves us a lot of maintenance cost and work".

The new portal design also offers many installation conveniences: "Due to the simple construction design, installation takes only half as long compared to BO-A", says one of the responsible engineers of Truezschler Shanghai. "In addition, it is very easy to operate and much safer due to the safety system mounted on the sides of the machine." We are very happy about the introduction of the intelligent and smart Portal Bale Opener BO-P in China, which helps our customer to achieve high production and better quality at the beginning of their spinning process.

BO-P is installed at Hunan Huayi and must be modified in the blowroom line; the path is next to the wall

Working BO-P in a Wujiang mill

BO-P advantage at a glance, compared to BO-A

- > 25 % increase in production
- 50 % less installation time
- Smallest tufts for better blending and cleaning efficiency in subsequent blowroom processes
- Up to three blends
- Almost no maintenance, no lubrication
- Low air consumption
- Operator friendly safety system

A childhood dream came true

Author: R. Padalkar

Sangam is a small village about 320 kilometres south of Mumbai. In the early 80's, a young boy saw his parents working in the nearby cotton fields – day in, day out. As he grew up, he carried this picture in his head and set himself the goal of shaping his future in the textile sector.

From left to right: Mr. Vishal Bhende, Director Mr. Vishal Magar, Director Mr. Narayan Tate Deshmukh, Chairman Mr. Sanjay Tate Deshmukh, Dhanasmruti Mills Consultant Prof. C. A. Patil

Working towards a goal
But because he had no technical experience or knowledge, the young man decided to first start a small pump agency. However, the cotton fields always remained in his mind.

Through hard work and the support of his father, the young man decided to start his own mill. Luckily, he met professor Chandrakant Patil, who later became his mentor and guide. Prof. Patil taught him the basics of textiles and visited many mills in India with him.

Today, the young boy is the Chief Managing Director of one of the most modern textile mills in India – Dhanasmruti Textile Mills. Equipped with Truetzschler blowroom line, 12 TC 10 cards, 3 TD 7 draw frames, 1 TD9T draw frame, 1 TSL 12 sliver lap, 5 TCO 12 combers and 5 TD 8 draw frames, this 25,000 spindle project was recently fully commissioned.

Truetzschler – no question!
During the planning phase, the founder Sanjay Tate-Deshmukh discovered that the existing mills with Truetzschler preparation and KTTM ring frames had better yarn quality than mills with machines from a single manufacturer.
Along with Prof. Patil, he also found out that almost all major spinning mills in India, which had their own retail labels, had Truetzschler machines. After these findings it was clear to choose the latest Truetzschler machines for their mills.

A wise choice
Without a doubt, Mr. Sanjay's mother confirms: "If these machines are responsible for my son's success, then they definitely must be good." Mr. Balasaheb Koratkar, who is responsible for the day to day production and maintenance as Deputy GM, is also impressed by the Truetzschler machines. He is pleased that they were able to achieve 5 % Uster yarn quality standards with minimum noil levels in a very short time.

As a result, Dhanasmruti Mills has started to make a name for itself as a quality yarn supplier in India. He also said: "Even though we are still at the beginning, we are happy about the fact that the Truetzschler machines are very easy to maintain and run smoothly since their commissioning – especially the TCO 12 combers are better than the combers of other leading suppliers."

Mr. Sanjay's parents: Narayanrao Tate-Deshmukh and Shamal Tate-Deshmukh


The technical staff in front of Truetzschler Cards TC 10.

Happy ending
"My mother had a dream that one day we, the sons of the farmer, would create big names for ourselves in the cotton industry. With this in mind, our vision is to be the best quality fabric supplier in the world by 2023," says Mr Sanjay. He was optimistic when he informed that Truetzschler machines would again be the proud choice for the next project with 25,000 spindles.

A True Success Story

Truetzschler Card Clothing in Pakistan

Author: Harald Schliepe

Pakistan ranks among the top producers and consumers of staple fibers in the world and has been a major market for Truetzschler since the last century. Truetzschler provides card clothings to over 150 spinning mills and has a growth rate in the double-digit percentage range.

This effect is supported by the successful sale of Truetzschler high performance cards in this market. But it was above all the personal relationships that led to a success story. Decisive was the year 2002, when Machpart became the exclusive representative of Truetzschler Card Clothing (TCC).

The story of Machpart

Machpart was established in 1960 by Mr. Qutub Ud Din. In 1980, Mr. Muhammad Tahir and Mr. Muhammad joined the company as the second generation of the family and now serve as CEOs. The family business with head office in Lahore began by manufacturing engineering parts for the textile industry and expanded its portfolio in 1990 by importing premium components from Murata and Crosrol UK.

Machpart & TCC

Today, Machpart, whose name consists of the first letters of "Machinery" and "Parts", is the leading sales and service company for the import of Truetzschler card clothing. The services offered include cylinder mounting, doffer mounting, top set clipping and grinding, maintenance service for spinning mills as well as consulting services to improve quality levels in the mill. Over the years, sales and service offices have been established in Karachi, Faisalabad, Multan and Islamabad, providing comprehensive customer support and after sales service throughout the country.

30 of the 100 employees of the Machpart organisation are dedicated to the Truetzschler card clothing business, including service engineers, office staff, and sales and marketing employees. The successful partnership and development over the last decades has been met with very positive feedback from TCC customers.

With the entry of the third generation in 2016, the Machpart family business is preserved and will continue to be a reliable, future-oriented partner for premium sales and service for TCC.

Machpart Customer Opinions

Mahmood Group, Multan

Mr. Ayoub Shah, the Technical Director of the Mahmood Group:
„We have around 300,000 installed spindles and produce yarn of very good quality, mainly for export to different parts of the world and for our own weaving mills. The main requirement of our customers is to always have the highest quality of cotton and blended yarn.

To achieve this, we have to use the best quality of card clothings. We have been associated with Truetzschler Card Clothing (TCC) through Machpart for 15 years. TCC has helped us to meet the core requirements of our customers, i.e. the highest quality of cotton and blended yarn.

With TCC it is not only about carding quality, but also about the promised service we receive from Machpart to support us in any unfavorable situation, which in turn improves the smooth running and efficiency of our lines. We highly appreciate, that TCC has such a good marketing and service team in Pakistan."

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We highly appreciate that TCC has such a good marketing and service team in Pakistan.

Mr. Ayoub Shah
Technical Director at Mahmood Group

Nishat Group, Lahore

Arif Munsif, General Manager Nishat Group:
„As the leader of Pakistan's textile frontier, the Nishat Group has a reputation for maintaining the highest quality products. We can keep this promise to our customer with the help of Truetzschler Card Clothing when it comes to the yarn product line.

With the timely and quick support from Machpart, we can produce the highest quality around the clock. TCC has not only helped us to produce quality output, but the name "Truetzschler Card Clothing" has also helped us to gain trust in a highly competitive market."

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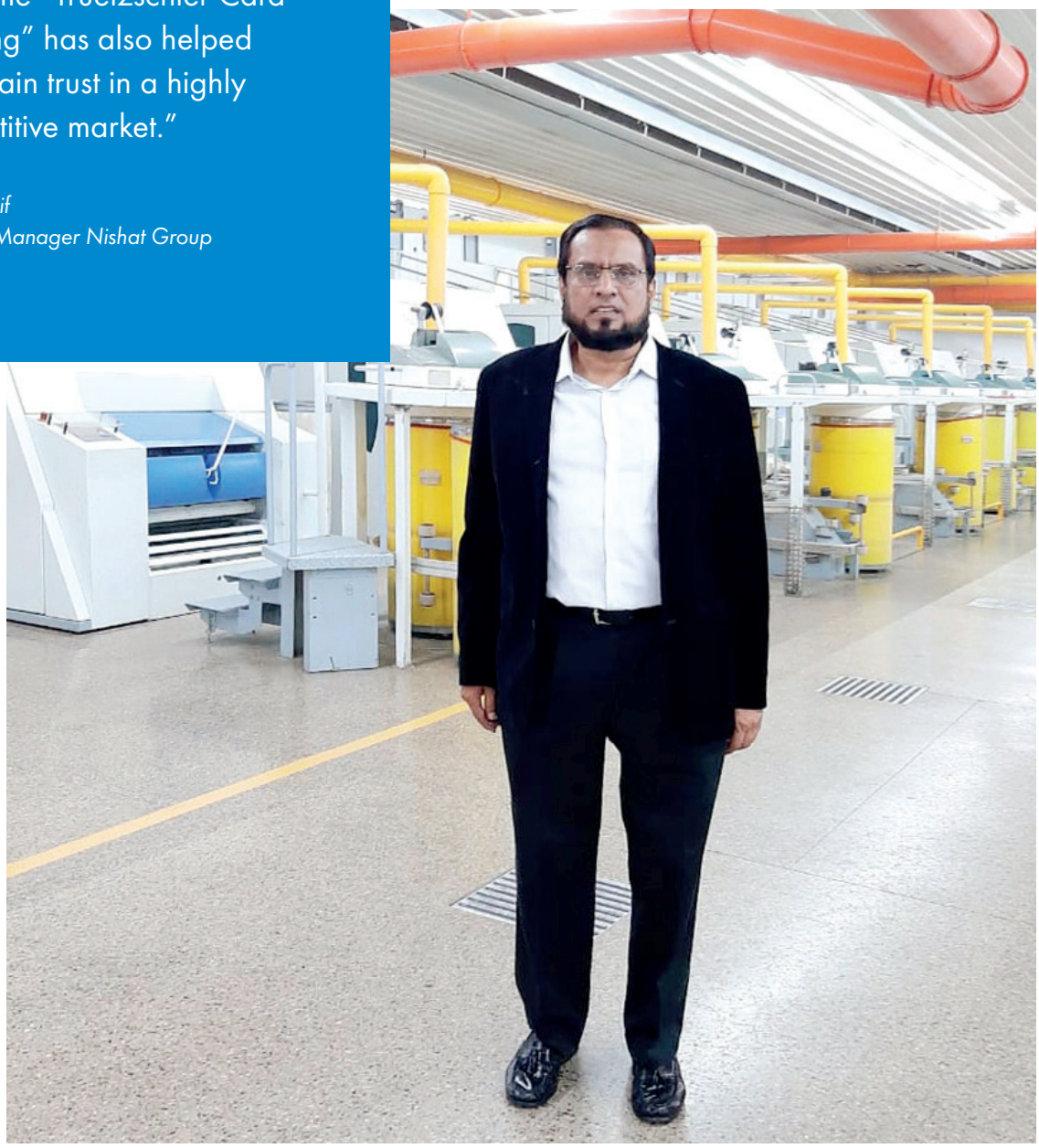
>
> *Arif Munsif*
> *General Manager Nishat Group*



COVID-19: Effective protection with hydroentangled disinfectant wipes from Truetzschler lines

Author: Jutta Stehr

The compulsory wearing of masks currently dominates the public space. However, an effective protective measure in times of COVID-19 has almost dropped out of sight: The disinfection of our hands.

Our hands are everywhere: On door handles, shopping cart handles and handrails in public transportation. And, not to forget, our faces. People touch their own face over a dozen times an hour. It usually happens unknowingly, for instance to scratch, brush away a strand of hair or adjust glasses. This makes it easy for pathogens to get into the mouth, nose or eyes. All doctors recommend therefore the increased, intensive washing of hands. But when there is no water, there is no washing of hands. Fortunately, there are wet wipes and special disinfectant wipes available.

Wet wipes and disinfectant wipes – the solution when on the go

Cleaning wipes for single use are available as dry wipes or as wet wipes with lotion. In the past, these products used to be simply practical, but now – in Corona times – they are indispensable, for example when commuting or shopping.

The basis of all cleaning wipes are nonwovens. The majority of commercially available products are made of hydroentangled fiber material. The main advantage of hydroentangled, lightweight nonwovens is that they can be produced quickly and in large quantities. Production speeds of 250 m/min and more are easily achieved. The nominal capacity of a spunlace line is just under 2.5 tonnes per hour, based on 50 grams of web weight per square metre, 250 m/min at the winder and the typical 3,800 mm working width. These 2.5 tonnes of material correspond to almost 50,000 square metres of nonwoven.

That is a huge amount of wipes per hour, enough to cover seven football fields. Since such large quantities can be produced in a highly automated process in one step, the pure conversion costs are low. A blend of polyester and viscose fibers is used for wet wipes and disinfectant wipes. The use of polyester makes the nonwoven soft and viscose makes it absorbent.

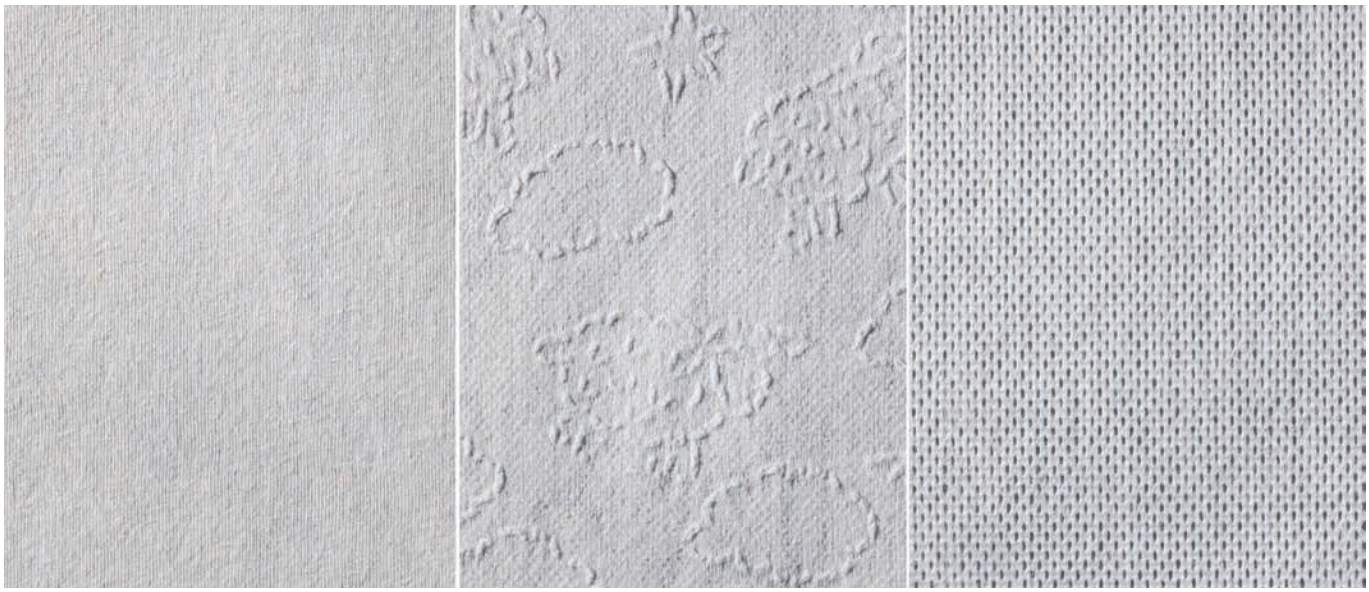
Spunlace lines for hydroentangled cleaning wipes

First, fiber bales are opened in bale openers and dosed and mixed in the desired ratio. In high-speed lines, two roller cards connected in series separate the fibers gently and evenly, forming a homogeneous fiber mat.

In the next step, high-pressure water jets "knot" the fibers together so that the desired tensile strength and puncture resistance is achieved and no individual fibers come loose during use. A further advantage of hydroentangling is that not only smooth products but also a wide variety of perforated and structured nonwovens can be produced inline. The water jets not only knot the fibers, they also move them.

Special shells for structuring or perforation have embossed patterns or soldered-on protrusions. When they are pulled up, fibers settle mainly in depressions. Correspondingly fewer or no fibers are found on protruding areas. This results in structural patterns or holes. ▶

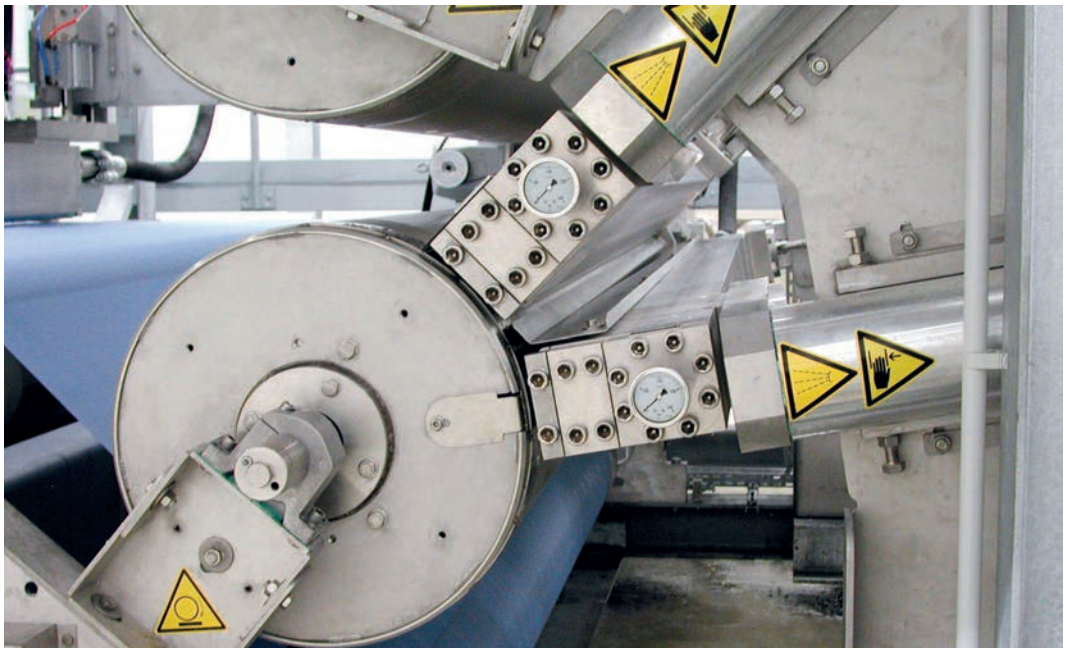
Infinite variety: hydroentangled nonwovens



The nonwovens are dried and can already be cut to the desired width during winding. At the end of a Truetzschler line, there are either large rolls or convertible narrow rolls.

Wet wipes are produced in a separate, subsequent conversion process. The nonwoven web is cut crosswise, folded, impregnated with a water or oil-based lotion, and then packed.
If the lotion has an antibacterial or even antiviral effect, we speak of disinfectant wipes. While disinfectant wipes were already a practical companion before Corona, they are indispensable today.

Truetzschler Nonwovens has been successfully selling spunlace lines for almost 25 years. Especially in the current situation, customers from all over the world benefit from the high production speeds of Truetzschler lines to cover the rapidly increasing demand for disinfectant wipes and to make an effective contribution to contain the pandemic.
Manufacturers are also well prepared for the time after Corona: Instead of disinfectant wipes, the nonwoven material can also be used for baby- or bodywipes too – it's the lotion which makes the difference.



Core of the AquaJet:
spunlace drum and two jet heads

AquaJet

New managing director at Truetzschler Nonwovens

Klaus Wolf, Managing Director
Truetzschler Nonwovens (Dülmen & Egelsbach)
My life is shaped by the most diverse situations, in which I needed courage again and again to make decisions, find solutions and take the next step.
After the Abitur, I joined the German Federal Armed Forces and studied mechanical engineering in the field of design engineering in a dual training program. I specialized in textile and plastics processing machines. My training as a machine fitter has always helped me to develop pragmatic solutions during my more than 30 years in the business.

I started as a design engineer in plant project planning at Barmag, today Oerlikon Barmag. I was able to gain important experience with specification-bound customers during my ten-year activity as Technical Manager of a machine tool manufacturer. I have been involved with nonwovens since 2017, not least through my work as Director of Engineering at our largest competitor.

The practical part is of great importance to me because it is precisely at this point that the first innovative idea takes on concrete form and is turned into reality.

My excitement for textile machine manufacturing has held up to this day. Hence, the decision to change to Truetzschler as Managing Director in the nonwovens sector was quickly made: I have been on board in Dülmen and Egelsbach since February 1st this year. My enthusiasm to get to the heart of complex issues helps me to actively shape the future in the nonwovens sector.

I was born in Cologne. My family and I are close to Cologne and it is always wonderful to marvel at the view of the Cologne Cathedral from the heights of the Lower Rhine bay on a clear day when indulging in my hobby of mountain biking on weekends.

Sought-after carpet yarn machinery

Author: Dr. Lassad Nasri

We still don't do flying carpets yet! But we'll do a PA6 special carpet yarn (BCF) machine for our customer Grodno Azot. After a meticulous tender procedure this year, Truetzschler Man-Made Fibers has been chosen as preferred supplier for the extrusion line. End applications will be sophisticated automotive and luxurious residential carpets.

The equipment will be installed at Belarussian Grodno Khimvolokno, an internationally renowned supplier of top-quality polyamide 6 (PA6) chips, masterbatch, high tenacity yarn, dipped fabric and BCF carpet yarn.

Other orders concluded recently include BCF lines for famous Italian yarn producer, well-known Turkish yarn producers and also lines for technical yarns for Nexis Fibers in Latvia.

New managing director at Truetzschler Man-Made Fibers

Matthias Schemken
Managing Director, Truetzschler Switzerland AG, Winterthur
Looking at his professional career over almost three decades, it quickly becomes clear: Matthias Schemken is already a true insider in the field of man-made fiber production.
His sound experience in production and plant engineering, which has grown over many years, is the best basis for a reliable assessment of the industry and market - and of course for the resulting business goals.

What does technology mean to Matthias Schemken?
"When a development is completed, it is in most cases already outdated. If you can do it better, then you should. That is the beauty of technology: It is an ongoing process and you always have to try to achieve the optimum. The conditions are constantly changing: new technologies, energy-saving measures, digitalisation ... or a pandemic. For me it is always important to stay agile and to see how you can integrate circumstances. I personally am convinced that every crisis is also an opportunity."

Mr. Schemken and his team have embarked on a journey into the future: "We approach the near future with great optimism. We are making our products more attractive and are adapting them to new challenges; we are shortening the distances for our customers and are always available – completely uncomplicated from one person to another. Communication, transparency and the will to shape the future play the most important role for us."

Matthias Schemken has been Managing Director of Truetzschler Switzerland AG, Winterthur since September 1, 2019.
Prior to that, he was Head of Sales at Schill + Seilacher for spin finish of man-made fibers. For almost 20 years he held a management position at Oerlikon. In 1992, he graduated from RWTH Aachen with a degree in mechanical engineering in the field of textile machinery.

it's true: The editorial team

Dr. Bettina Temath took over as head of Truetzschler marketing after Hermann Selker retired in December 2019.
Before Truetzschler, she worked in B2B and B2C technical marketing in large German companies. She is the responsible editor of the it's true magazine.

Michael van den Dolder has been there from the beginning, when the magazine was only a two-page flyer.
Today he coordinates layout and design as well as translations, printing and distribution to the whole world.

As Social Media and Communications Manager, **Laura Hartmann** creates and collects true stories within the Truetzschler world. She takes care of the editorial planning and writes, revises and coordinates content for the it's true.

Eva Trenz works as Product Manager with focus on draw frames, combing and IDF. Having previously worked as an R&D engineer in fiber technology, she is deeply rooted in our customers' technology and from this point of view she looks for interesting stories and provides editorial material.

The extended editorial team consists of the following authors from all our business units and sites across the globe:

Jutta Stehr
Truetzschler Nonwovens & Truetzschler Man-Made-Fibers

Harald Schliepe
Truetzschler Card Clothing

Zhenzhen Yu (Echo)
Truetzschler Textile Machinery (Shanghai) Co., Ltd.

S.K. Joshi
Truetzschler India Private Ltd.