

Intelligent, individual, sustainable: Truetzschler presents new solutions for spinning preparation, nonwovens & man-made fibers at ITMA Barcelona 2019

From 20 to 26 June, the Truetzschler Group will be presenting intelligent machine technologies, digital solutions and installations for sustainable nonwovens in hall 6, booth B101.

Intelligent spinning preparation

Cost pressure, personnel bottlenecks and fluctuating raw material qualities: These are some of the most pressing challenges in spinning preparation. At the same time, spinning preparation is decisive for the yarn's quality. In order to meet these requirements, Truetzschler counts on state-of-the-art sensor technology and digital integration – and opens up a new chapter in carding technology: The new intelligent card TC 19i automatically and continuously optimizes the carding gap whose setting has a critical influence on quality and performance. With a precision not achievable by humans, the intelligent card permanently realizes even the narrowest carding gap setting of 3/1000 inch. "This allows us to measurably improve our customers' raw material utilization and productivity while achieving consistently high quality," says Dr. Dirk Burger, CEO of the Truetzschler Group. In addition, new cloud-based digital monitoring and management systems provide yarn manufacturers with transparency over all processes in the spinning mill. The *My Wires* app, for example, provides information on the status of clothings and service intervals and helps with the planning of reorders. Competent service for re-clothing can be provided immediately by Truetzschler Card Clothing (TCC). "With the smart networking of machines as well as production and maintenance, we support customers in simplifying their entire spinning process," explains Dr. Christof Soest, CTO of the Truetzschler Group, and emphasizes: "This is why our digital platforms work not only for Truetzschler technology".

The latest innovation in the blowroom offers more economy and quality as well: The Portal Bale Opener BO-P, with widths of 2,900 mm or 3,500 mm, allows significantly more bales to be placed side by side and processes them in parallel using two opening rolls. Thus, it results in significantly better blending and higher productions of up to 3,000 kg/h.

As a complete supplier for spinning preparation, Truetzschler is also breaking new ground in draw frames, the quality filters in the spinning mill. The autoleveller draw frame TD 10 automatically adjusts the perfect break draft for optimum sliver quality and realizes significant cost savings due to its compact design and energy-efficient suction system. Like the TC 19i and the BO-P, the TD 10 provides the operator-friendly T-LED remote display which visualizes important machine and production information in a simple way.

Individual, sustainable installation concepts for nonwovens and man-made fibers

Truetzschler Nonwovens presents sustainable concepts tailored to individual customer needs. The focus is on technologies for the production of biodegradable light-weight webs from renewable raw materials. In addition to proven solutions for carded, spunlaced nonwovens made of 100% cotton or 100% viscose, Truetzschler Nonwovens has developed an alternative technology in cooperation with Voith: In a wet-on-wet process, the web is formed from cellulose-based short fibers suspended in water and then bonded by means of hydroentanglement. The sustainable, high-quality wipes and cleaning cloths that result from this process can be completely degraded by microorganisms in the environment after usage by the consumer. The Man-Made Fibers division presents the new four-end BCF machine MO40, which is based on the proven M40 concept. The symmetrical design in combination with the lamellaless HPC texturing results in maximum yarn and bobbin qualities. As each spinning position produces four BCF ends simultaneously, the machine achieves high productivity at moderate speeds, which ensures a stable process. "Higher, faster, further is not always the solution", emphasizes Dr. Lassad Nasri, CTO at Truetzschler Man-Made-Fibers, "as with the entire Truetzschler Group, individual customer requirements always have priority for us. We support our customers with complete installation concepts, services and know-how - from the product idea to new business models."

Competent service and tailor-made clothings

In addition to the highlights from the Spinning, Nonwovens and Man-Made Fibers business units, the Truetzschler Group will present the comprehensive services and high-performance clothings for cards and roller cards from TCC on 1400 m². TCC completes its portfolio of special flat clothings with the MT 52, which demonstrates outstanding stability, particularly at high card productions in ring and rotor spinning. In addition, TCC has developed the new PRECISETOP flat clothing, which is essential for the intelligent self-optimization of the carding gap in the TC 19i. Thanks to the close cooperation between machine developers and clothing specialists at Truetzschler, customers benefit from tailor-made and compatible solutions along the entire value chain.

About Truetzschler:

With about 3000 employees, Truetzschler is one of the world's leading textile machinery manufacturer. Truetzschler specialises in machines, installations and accessories for spinning preparation, the nonwovens and man-made fiber industry. The headquarters of the more than 130 year old company is located in Mönchengladbach, Germany. The subsidiaries Truetzschler Nonwovens and Man-Made Fiber GmbH with two production sites, and Truetzschler Card Clothing GmbH, are also located in Germany. Sites in India, China, Brazil, USA and Switzerland, as well as a number of service centres, provide customer proximity in the important textile processing areas.

Visit www.truetzschler.com for more information.

Photos:

All photos can be downloaded from the following link (valid until 31.08.2019):

<https://truetzschler.coconutbox.com/public/download/B3BC80f19a4/>



1. TC 19i: The first intelligent card with gap optimizer automatically and permanently adjusts the ideal carding gap.



2. The new BO-P portal bale opener, with widths of 2.900 und 3.500 mm, offers better blending and productivity.



3. The clever autoleveller draw frame TD 10 ensures high sliver quality while requiring less space.



4. The App *My Wires* simplifies card clothing management.