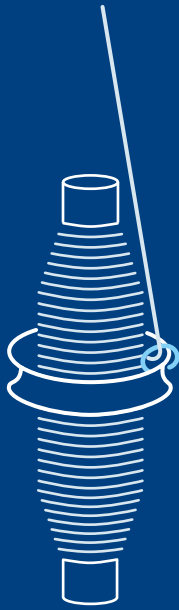


THE TRUE WAY TO YOUR RING YARN



Ring-spun yarns – valuable classics

Despite the establishment of other spinning processes such as rotor and air-jet, the classic ring-spun yarn still plays the major role in the spinning sector.

As our customer, you are confronted with rising costs, higher market demands on your end product and simultaneously decreasing raw material qualities.

Truetzschler Spinning focuses on its core competence of spinning preparation and thus offers you the best possible solutions to emerge stronger from this area of conflict.



1 CARD
TC 19ⁱ





TWIN BUT INDEPENDENT
breaker draw frame concept with
higher efficiencies



Maximum good fiber yield with minimum
waste due to optical monitoring and
self-optimization via WASTECONTROL

100%

T-BLEND installation for 100 %
accurate blending ratios
for ring-spun blends



Everything in view with the remote
display T-LED. It provides informa-
tion on the machine status intuitively
at the speed of light



Better quality through fewer piec-
ings, less operating effort and higher
efficiencies with the JUMBO CAN



Multidimensional savings potential
in ring spinning only possible with
the first intelligent Card TC 19ⁱ

30%

30 % lower deflection angle for
better fiber guidance on the draft-
ing systems



Faster lap changes with first-class
quality thanks to clever tube change
systems with TSL 12

TC 19ⁱ – the first intelligent card

One card feeds around 4,000 spin-
ning positions when using carded
ring-spun yarns! Only the TC 19ⁱ
allows you to always produce the
highest quality.

Maximum consistent quality even
under changing production is only
ensured by the TC 19ⁱ thanks to the
self-optimization of the Gap Optimizer
T-GO.

4,000
SPINDLES

The best process for your yarn

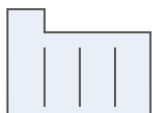
Combed cotton

The perfect cotton installation from bale opening to combing and draw frame

Combed yarns are subject to a special quality requirement. The application of the ultra-modern Truetzschler combing technologies definitely does justice to this. In combination with the intelligent Card TC19ⁱ and the latest autoleveller Draw Frame TD you have the optimal preparation for high-quality ring-spun yarns.



TSL 12: faster lap change in 20 seconds



Blowroom



TC 19ⁱ



TD 9T



TSL 12



TCO 21



TD 10

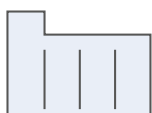
Material blends

The perfect blend

Tuft blending has clear advantages over draw frame blending by allowing you to extract the combed material if necessary and to automatically return it to the blend line as a component. Up to 3 different blends with up to 6 different components can be produced from one T-BLEND installation. And all this with maximum production and precision, thanks to the gravimetric weighing process.

100%

T-BLEND installation for 100 % accurate blending ratios for ring-spun blends.



Blowroom



TC 19ⁱ



TD 9T



TSL 12



TCO 21



TD 10

optional

+ EFFICIENCY QUALITY

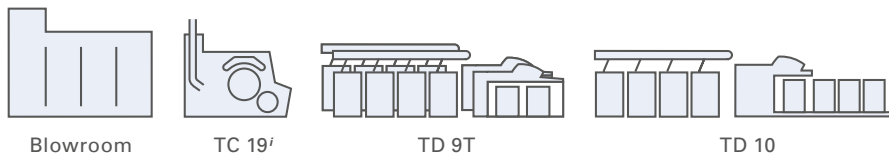
Carded cotton

Intelligent solutions for your ring-spun yarn

As implied by the name, with carded ring-spun yarns the card is already the centre of attention. Choose the card that, thanks to T-GO, always helps you achieve the optimum carding gap and thus demonstrably stands for higher production, maximum nep reduction and better IPI in the downstream yarn process. The autoleveller Draw Frame TD 10 serves as quality filter for the spinning machines. Highly dynamic levelling intelligence has never been more compact.



Savings potential
through the intelligent
Card TC 19ⁱ



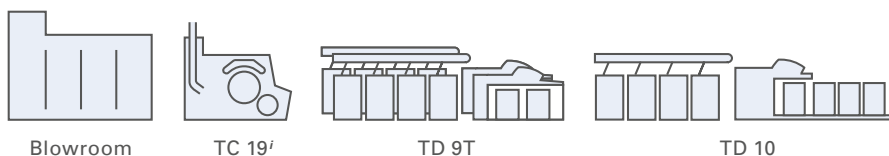
Pure man-made fibers

Reliable processing of man-made fibers

Truetzschler offers the perfect equipment for trouble-free processing of man-made fibers with its man-made fiber version of the TC 19ⁱ. The fiber guide elements made of high-quality stainless steel also lead to an absolutely trouble-free process in the blowroom. This equipment prevents the accumulation of finishing agents and thus leads to a clearly safe fiber transport. This also prevents the adhesion of fibers due to static charge.



Stainless-steel equipment for reduced
adhesion of finishing
agents.



Flexible production and optimal use of resources

With its modular concept, Truetzschler offers flexible solutions for all cases. Thanks to intelligent systems such as the self-optimizing CONTIFEED system, we ensure perfect material flow.



Universal Cleaner CL-U

Gentle opening and efficient raw material yield are the main priorities for the CL-U. The integrated dedusting and the standard WASTECONTROL lead to process shortening and highest good fiber yield.



WASTECONTROL

The settings of the cleaning elements should not be left to chance. The optical WASTECONTROL sensors check the waste composition in the suctions. This ensures that excessive fiber loss is immediately identified. WASTECONTROL is part of the standard equipment of CLEANOMAT Fine Cleaners CL-U and CL-C3.

320 BALES
OF COTTON
saved per year

Annual production: 10,000 h/a
Savings: 0.5 %
Bale weight: 156 kg





Portal Bale Opener BO-P

25 - 40 % better blending: With 2,900 mm or 3,500 mm, the portal bale opener offers very large working widths that allow 5 to 7 bales to be placed side by side. With its two opening rolls, the working head simultaneously works off up to 14 bales. This is the perfect foundation for homogeneous blending in the blowroom.



100%

T-BLEND installation for 100 % accurate blending ratios for ring-spun blends

Only T-BLEND has this to offer

- Self-optimization of the weight
- Precision mass measurement
- Automatic taring – simple calibration
- High capacities up to 2,000 kg/h
- Up to 6 components in the blend
- Smallest blending ratios up to 1 %

T-SCAN TS-T5

The supreme discipline of foreign part detection are transparent parts and thin, white, thread-shaped parts. The Truetzschler T-SCAN TS-T5 meets these and other detection requirements with unprecedented quality. Thanks to the self-optimization function, T-SCAN always keeps an eye on what matters most: your raw material quality.

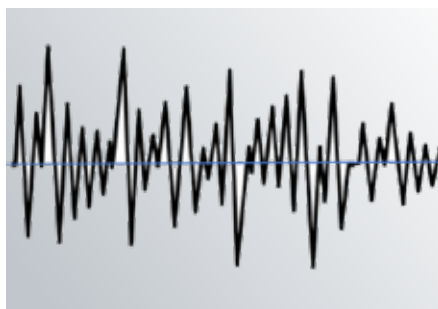


Highest flexibility, enormous production and perfect precision: Truetzschler T-Blendline

Carding has never been more intelligent

Decreasing raw material qualities are a special challenge for your spinning preparation. Waste, foreign parts and neps must be separated efficiently with maximum preservation of the raw material. Count on the most economical alternative: the intelligent Card TC 19ⁱ. It reduces the neps thanks to the Gap Optimizer T-GO to a minimum while WASTECONTROL simultaneously makes full use of the raw material.





CONTIFEED – card feeding

The material flow to the card is already continuously controlled by the CONTIFEED system. Furthermore, the production requirements of all cards of a line influence the production of the last machine in the blowroom. This connection contributes to a continuous card feeding and thus also to a uniform card sliver quality.



Economic carding with WASTECONTROL

Savings as small as a few tenth of a percent result already in enormous raw material savings. The optical sensor of WASTECONTROL TC-WTC permanently monitors the waste quality at the most important cleaning point, the licker-in. If too many good fibers are registered in the waste, the system optimizes the mote knife adjusting system via the servo motor.

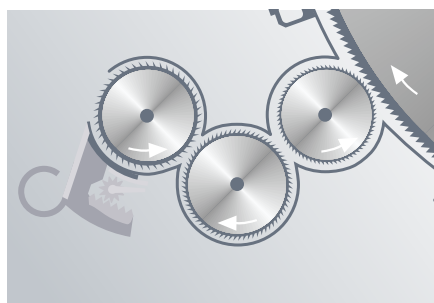


Maximum
good fiber yield
with minimum waste



MULTI WEBCLEAN

The carding conditions must be adjusted depending on fiber, production level and quality desired. This is no problem at all with the flexible MULTI WEBCLEAN system. Ten special elements each in the pre-carding and post-carding section of the cylinder can be individually adapted.



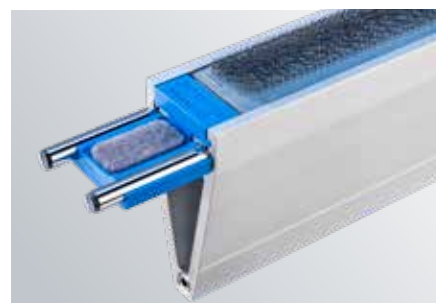
Flexible WEBFEED with 3 licker-ins or 1 licker-in

When using cotton cards, 3 licker-ins ensure perfect opening prior to actual carding. However, in the case of man-made fibers, one licker-in is sufficient. It is designed as a needle licker-in and has stainless steel fiber guide elements that are resistant against finishing agents.

1
or
3



Full flexibility
with WEBFEED
on the TC 19ⁱ

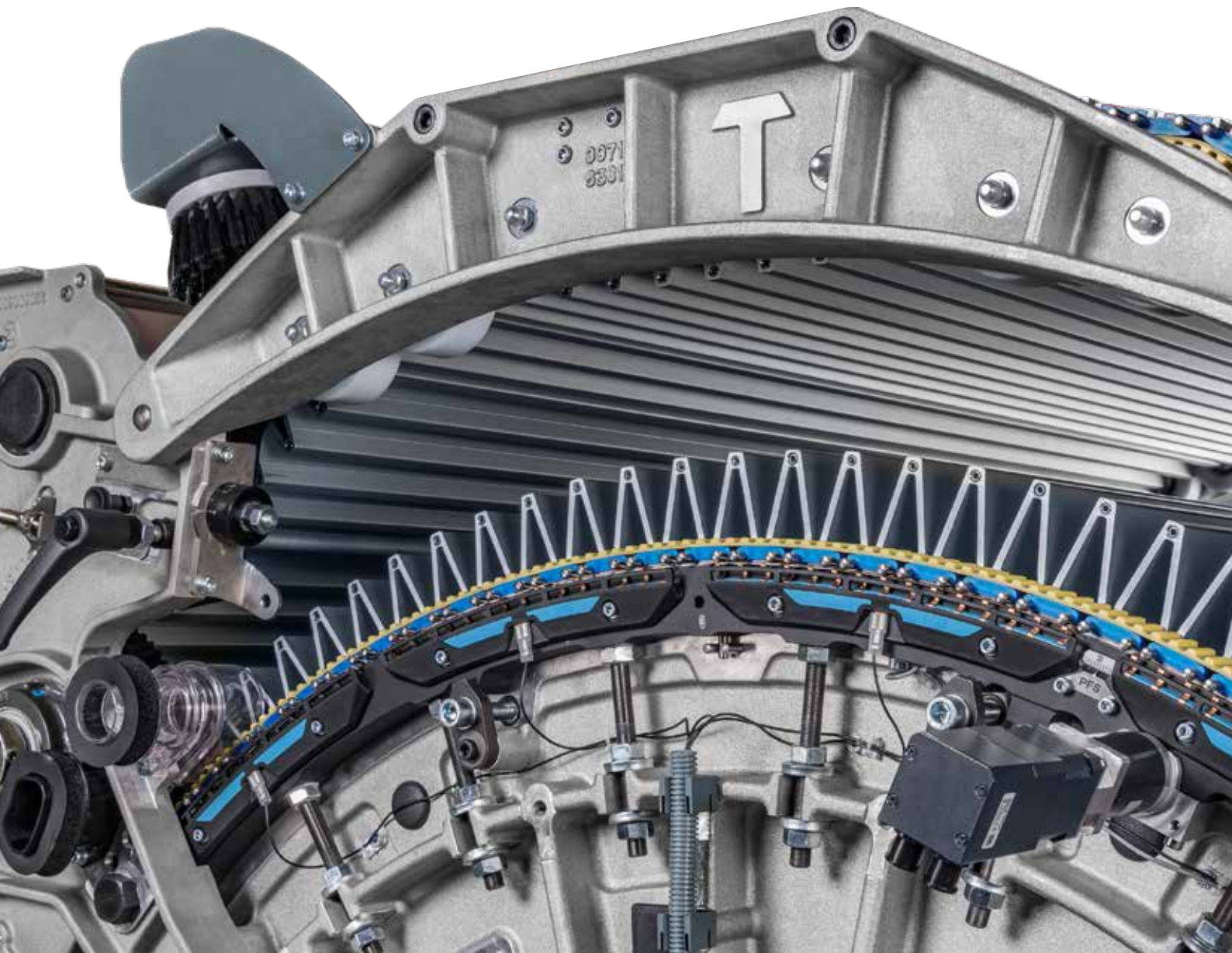


MAGNOTOP 3

Maintaining a consistently high quality requires regular change of flats clothings. Thanks to its neodymium magnets, the Truetzschler MAGNOTOP 3 always ensures a perfect fit immediately. This eliminates a flats workshop, as the service life could also be extended by one grinding interval.

T-GO – where less is more!

Increase in quality and productivity with Gap Optimizer T-GO. When the cotton fibers work their way from the bale to the yarn, the key point for yarn quality lies between the cylinder clothing and flats clothing. This is where the quality originates – and the smaller the carding gap in cotton carding, the higher the quality.



Thinner than a sheet of paper

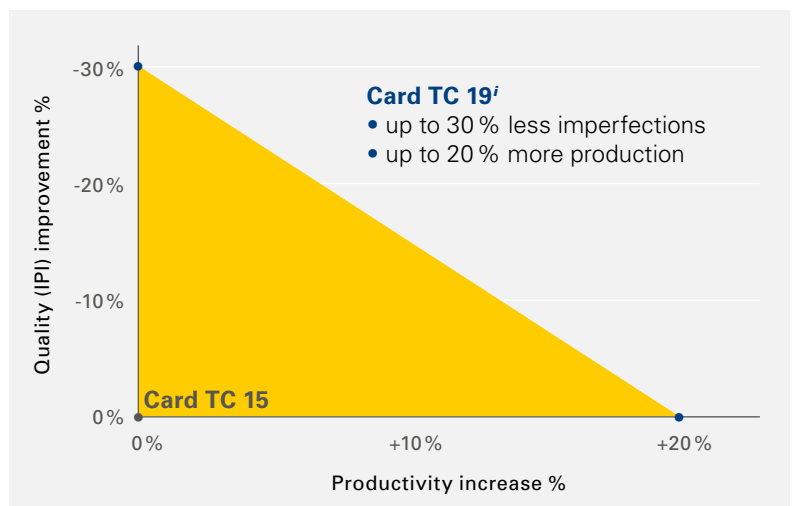
The ideal carding gap for cotton carding is about $3/1,000''$, that is less than the thickness of a piece of paper ($4/1,000''$).

3/1000''



Constant carding gap with T-GO

Delivery of full quality and productivity potential thanks to Gap Optimizer T-GO



Permanent / automatic adjustment of the ideal carding gap

Even an experienced technologist cannot carry out extremely narrow TARGET settings of e.g. $3/1000''$ with the "cold" card at standstill, because centrifugal forces and expansions due to the temperature increase have a considerable influence on this setting. In addition, a carding gap set once without T-GO results in a "blind flight" in terms of quality in the downstream production process.

Ultramodern combers

For yarns of the highest quality you will by no means be satisfied with the average. Truetzschler offers state-of-the-art combers with direct drives for perfect noil extraction.



Superlap with multi-drive technology

With its multi-drive technology, consisting of four maintenance-free direct drives, the TSL 12 produces a premium lap quality. Process parameters such as drafts, tensions and lap pressure can be adjusted during lap build-up.



Fastest lap change time – increased productivity

Lap changes in 20 seconds are only possible due to the individual drive technology and a clever tube change system. With 400 lap changes per day, this results in a 15 % increase in production. This means 60 more rolls produced per day.



Faster lap changes
in 20 seconds with TSL 12





Self-optimization in combing

The Truetzschler Piecing Optimizer optimizes the TIMING function of the piecing time fully automatically; time consuming laboratory tests are entirely eliminated. The CURVE function permits a complete replacement of the detaching curve. This allows the TCO21 to be optimized for high speeds in a matter of seconds.



Online quality monitoring

Truetzschler sensors also record important quality parameters in combing and monitor them according to self-set quality limits. Here, too, we want to ensure the quality of your end product as early as possible.



Individual blending of cotton

A logical consequence of the annual growth in world fiber volume is the increasing use of blend yarns, with cotton, particularly combed cotton, playing an ever greater role. For this reason, the TCO 21 now has the option of sliver suction. This allows the combed fibers to be extracted and mixed with other fibers in the blowroom via a T-BLEND installation.



Highest precision

On the TCO 21, the detaching rolls are driven by two highly dynamic servo motors. The movement of the combing components is generated by two coupled maintenance-free drives. This guarantees the highest precision in the movement of the combing elements at each head. Decoupling the highly dynamic motion sequence of the detaching rolls from the main shaft allows fully automatic optimization of the piecing time.



Precisely maintained sliver count

If your process is designed for draw frame blends, the Truetzschler combler with the unique COUNT CONTROL levelling system offers important assistance. Long-wave sliver count variations are measured with the TCO-DM measuring system and compensated by the control system, thus maintaining the exact sliver count and ensuring that your blend is always right.



Cotton opening and cleaning line



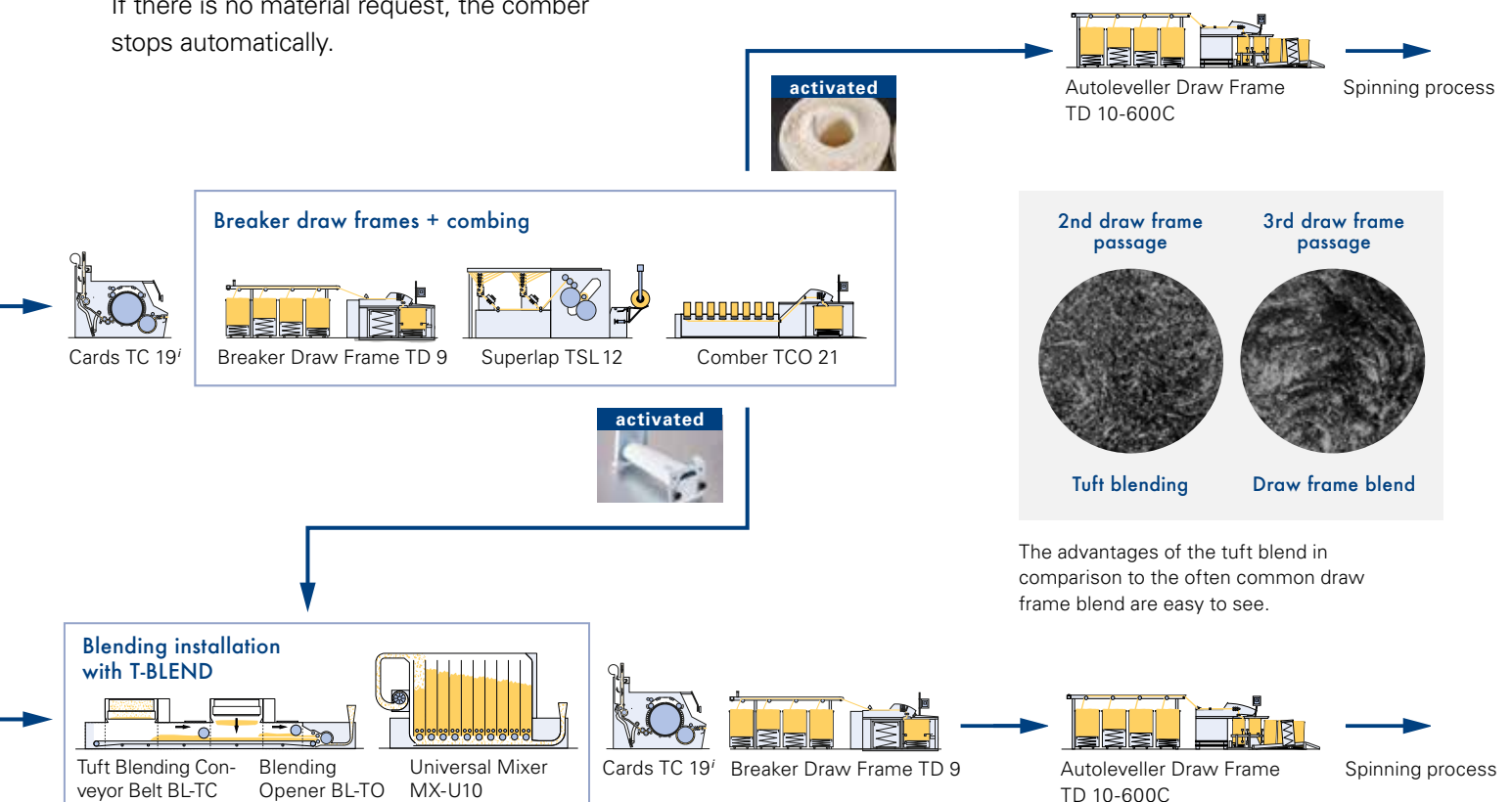
Man-made fiber opening line



The machine can easily be switched between sliver suction and can coiling, same as the TCO 12.

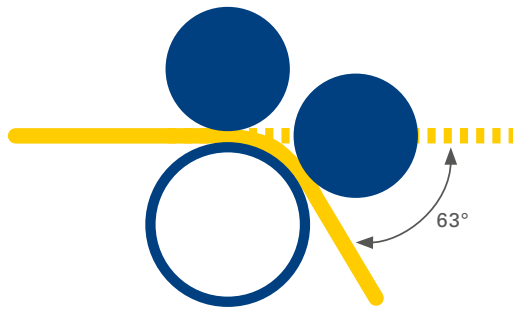
Automatic material request

The necessary production of the machine is transmitted to the combing machines via material requirements of the blowroom. If there is no material request, the comber stops automatically.



High production – low IPI's

With the Truetzschler Draw Frames TD 9T and TD 10 you always make the right choice!



- **Excellent fiber integration**
mainly on the web edges
- **Reliable fiber guidance**
at high speeds
- **Fewer laps on top rolls**
to protect the roll coatings

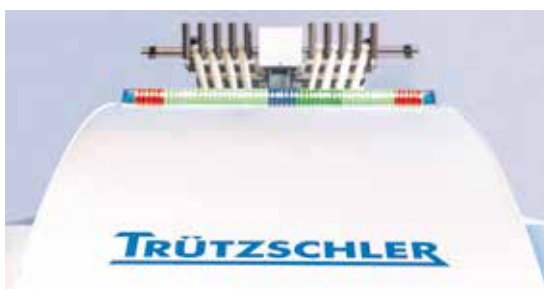
30% fewer deflection angles than the competition

Special drafting system technology ideal for sliver count and optimum fiber integration. Reliable guidance of the edge fibers leads to optimum fiber integration, even at the highest speeds.



The TWIN BUT INDEPENDENT concept of the breaker Draw Frame TD 9T results in higher efficiency and simultaneously increased flexibility. This means higher production and this is what's most important with breaker draw frames.





Reliable blending

In contrast to contact rolls, the optical Truetzschler sensors protect against operating errors, as they function even when the pressure rolls are not used. The intelligent individual sliver monitoring with SMART sensors is explicitly advantageous if three draw frame passages are also used for blending. Here, the reliable detection of sliver breaks is essential for the blending ratio.

Operating states always in view

With the Truetzschler remote display T-LED, the quality is always in view. Here you can see the visualisation of the sliver count variation A% with freely selectable quality limits. If there is a warning for a possible pending machine stop or a machine malfunction, the machine automatically switches to the corresponding status displays.

More productivity through true greatness

The use of JUMBO CANS makes sense for processes with many stages. Using larger cans can save considerable operating costs.

In the example of a ring-spun yarn spinning mill with a capacity of 5,000 t/a (750 kg/h), the personnel costs for can transport can be cut in half. In practical terms, the staff can be reduced by 2 persons in this spinning mill.



50 % savings in personnel costs through the use of JUMBO CANS. A full JUMBO CAN can be moved with a traction force of only about 8 kg.



Better quality through fewer piecings, less operating effort and higher efficiencies with the JUMBO CAN.







Digital solutions: Always and every- where informed

With Trützschler technology, you can further extend your lead - also in the course of digitization. Our digital solutions enable you to generate profits faster, bundle resources, optimize processes and save costs with little effort. They are as easy to use as an app and work even if you do not use only Trützschler technology.



More
information:



My Mill

The all-in-one platform: Whether information about your production, quality, maintenance or simply a complete overview - with My Mill your possibilities are almost limitless.

More
information:



My Production

Knowing what is going on at home: The extension to My Mill is the ideal companion for managers on the go. You are fully informed practically anywhere on earth and can intervene as necessary.

More
information:

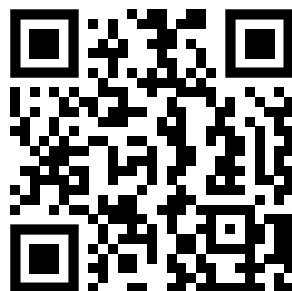
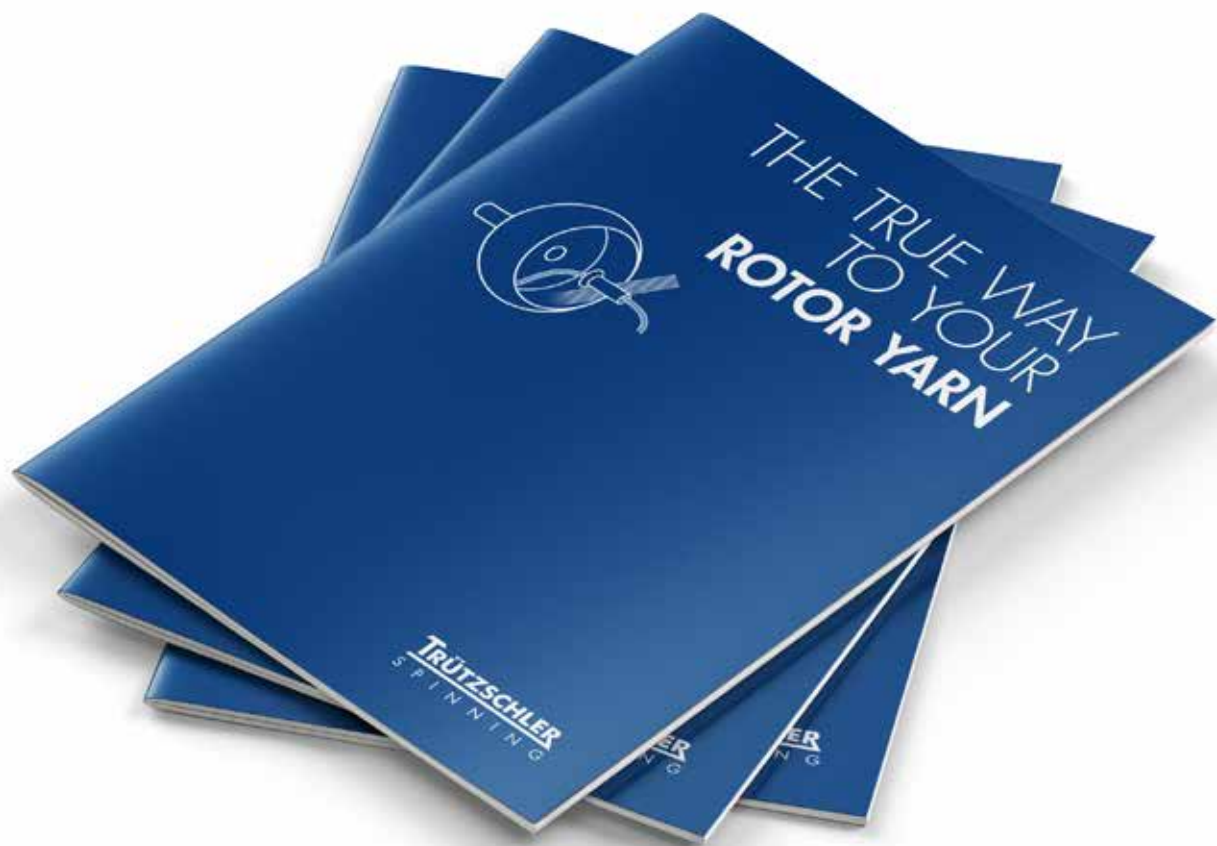


My Wires

Your digital clothings management: Digitize your clothings and their condition in just a few minutes! Receive automatic notification of pending repeat orders and maintenance.



Our digital services are cloud-based and extremely secure. We rely solely on the highest security standards because data security is just as important to us as it is to you.



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TRÜTZSCHLER
S P I N N I N G

Fiber preparation installations: Tearing line · Bale openers · Mixers
Cleaners/Openers · Foreign part separators · Dust separators · Tuft blenders
Waste cleaners | Cards | Draw frames | Combing machines |
Digital Solutions

TRÜTZSCHLER
N O N W O V E N S

Bale openers · Mixers | Card feeders | Cards · Crosslappers |
Hydroentangling · Needle-punching · Through-air- and
chemical bonding lines | Wet-laying lines | Finishing · Drying ·
Winding machinery | Digital Solutions

TRÜTZSCHLER
C A R D C L O T H I N G

Metallic wires: Cards · Cards long staple · Cards Nonwovens
Rotor spinning | Flat tops | Fillets | Carding segments
Service machines | Digital Solutions | Service 24/7