Hermann Selker



Truetzschler Specialist for
Spinning Preparation

Luxor February, 2018





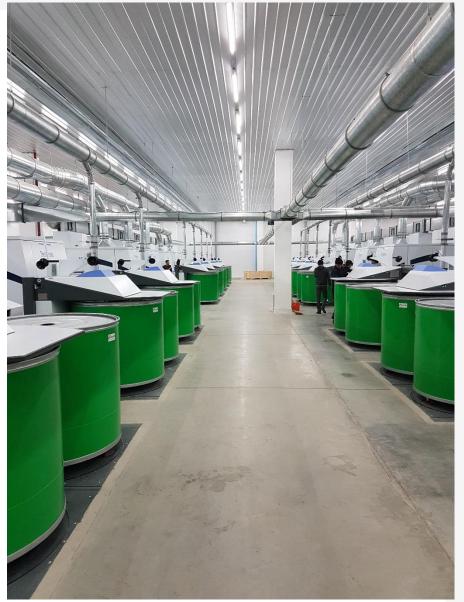








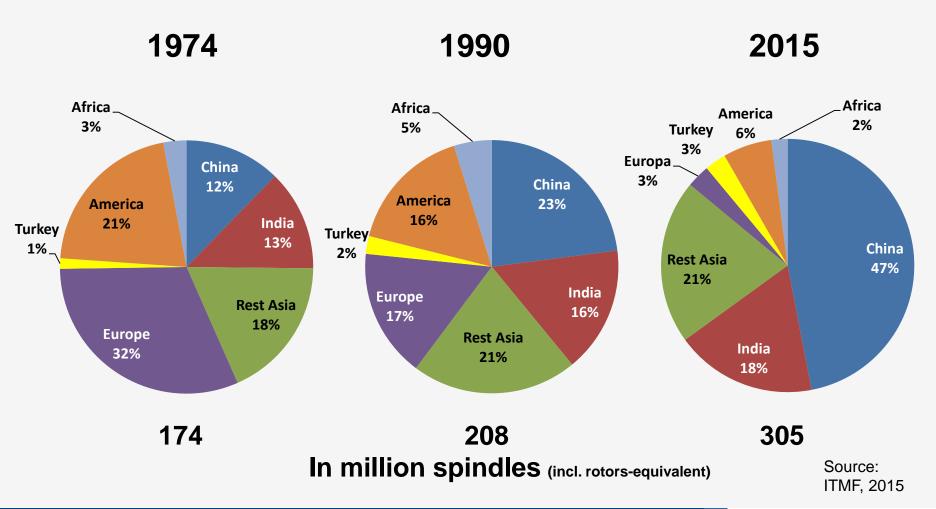




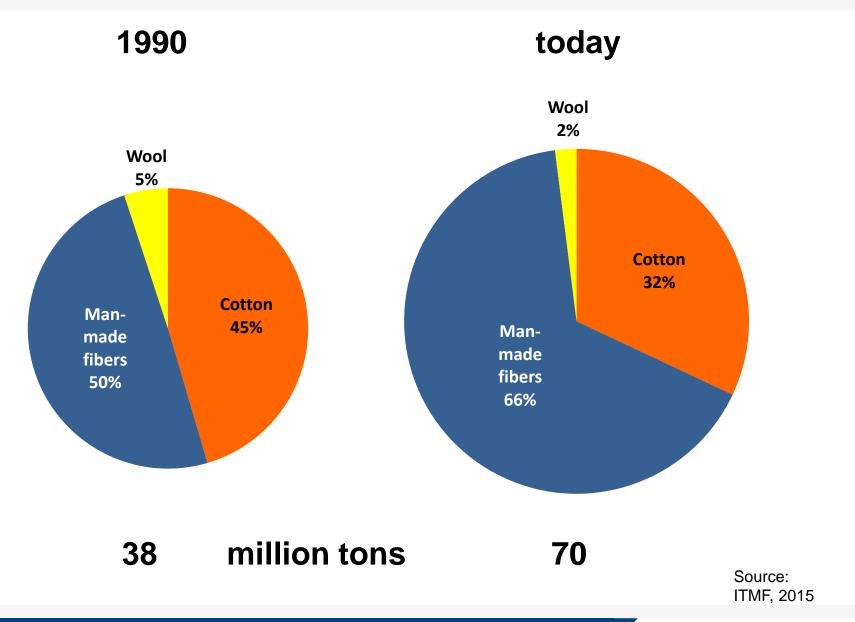


Developments of markets

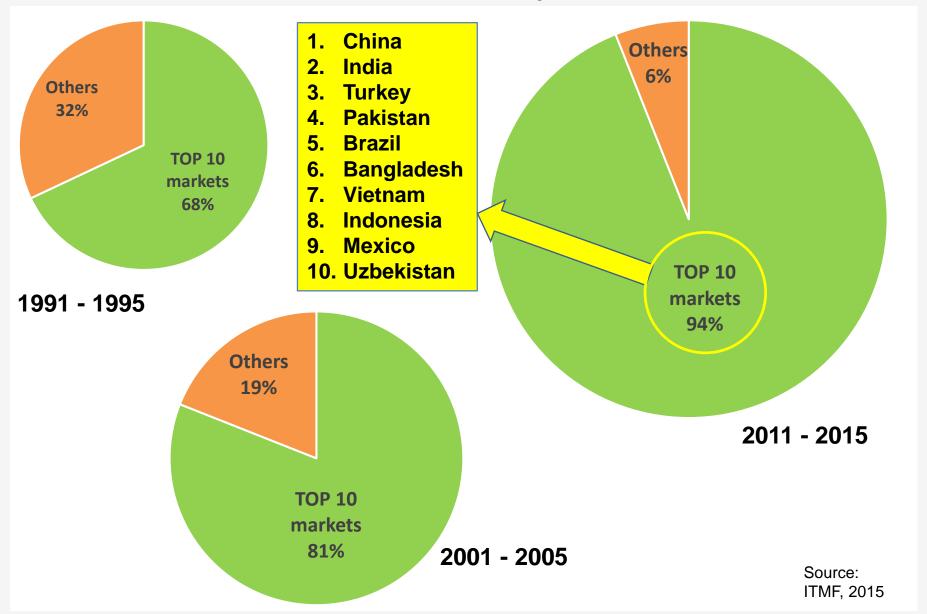
Distribution of spinning capacities



Trend toward man-made fibers

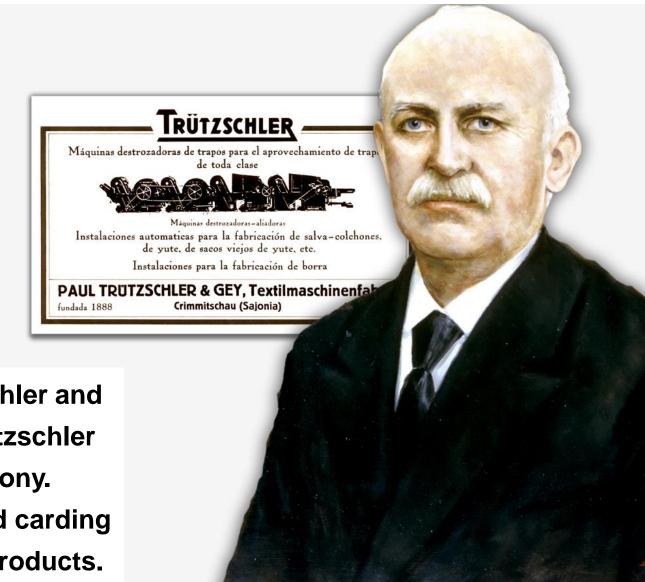


Concentration on a few countries (card deliveries)



Truetzschler History – The Founder

1888



Paul Heinrich Trützschler and Bruno Gey found Trützschler in Crimmitschau, Saxony.
Tearing machines and carding willows are the first products.

Trützschler today

- > 130 years experience
- Specialist for spinning preparation
- About 3,000 employees
- > Four production sites in Germany
- > Four production sites in USA, Brazil, China and India
- Four business units
 - > Spinning
 - Nonwovens
 - Man-made Fibers
 - Card Clothing

Family owned company in fourth generation



Heinrich Trützschler and Dr.-Ing. Michael Schürenkrämer Shareholders and members of the Supervisory Board

The Management



Dr. Dirk Burger (CEO since 2008)

Dr. Ralf Napiwotzki (CFO since 2015)

Dr. Christof Soest (CTO since 2018)

Four business units



SPINNING

Machines for spinning mills

NONWOVENS

Machines for nonwovens production

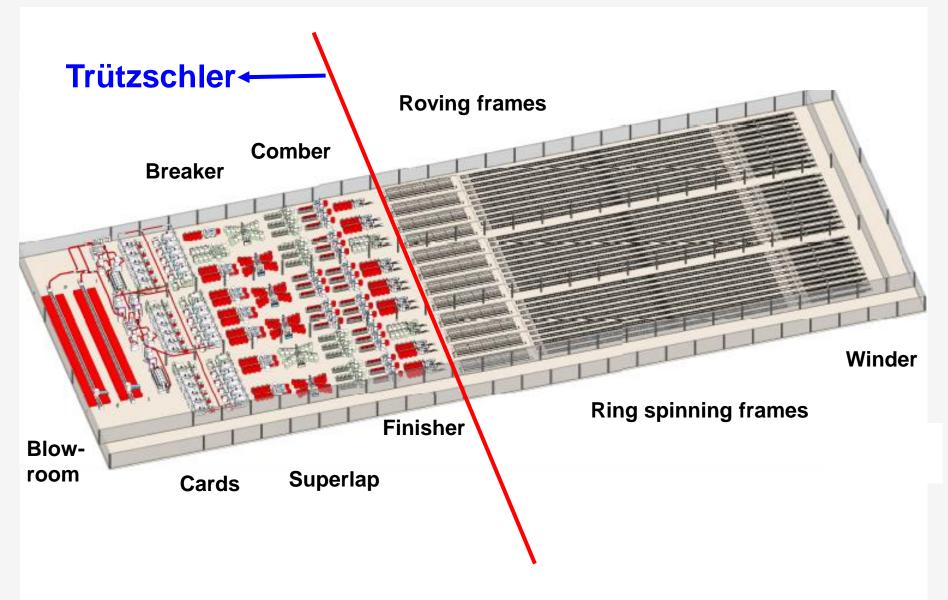
MAN-MADE FIBERS

Machines for filament production

CARD CLOTHING

Card clothing for cards and roller cards

Spinning installation for ring yarns



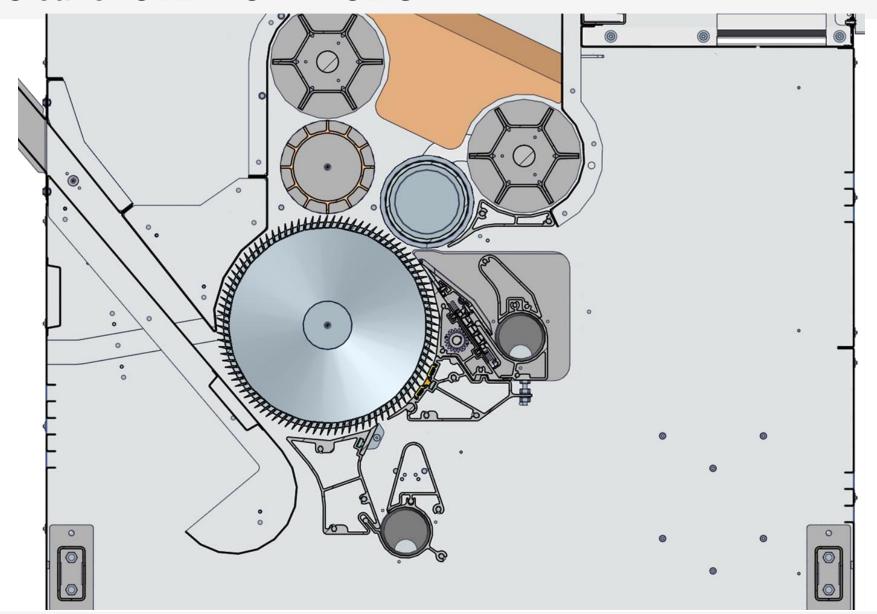
State of the art Blow Room Technology

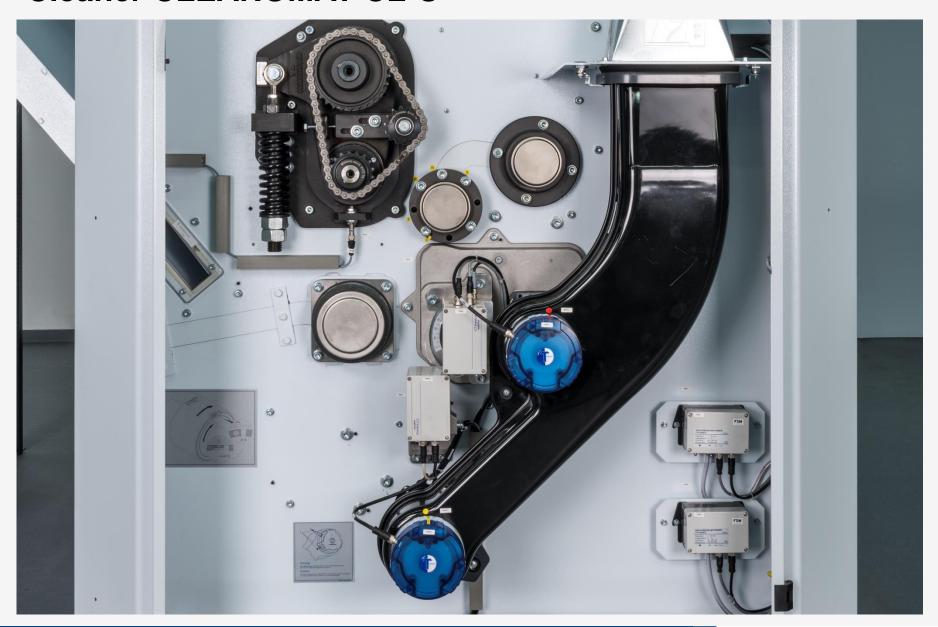




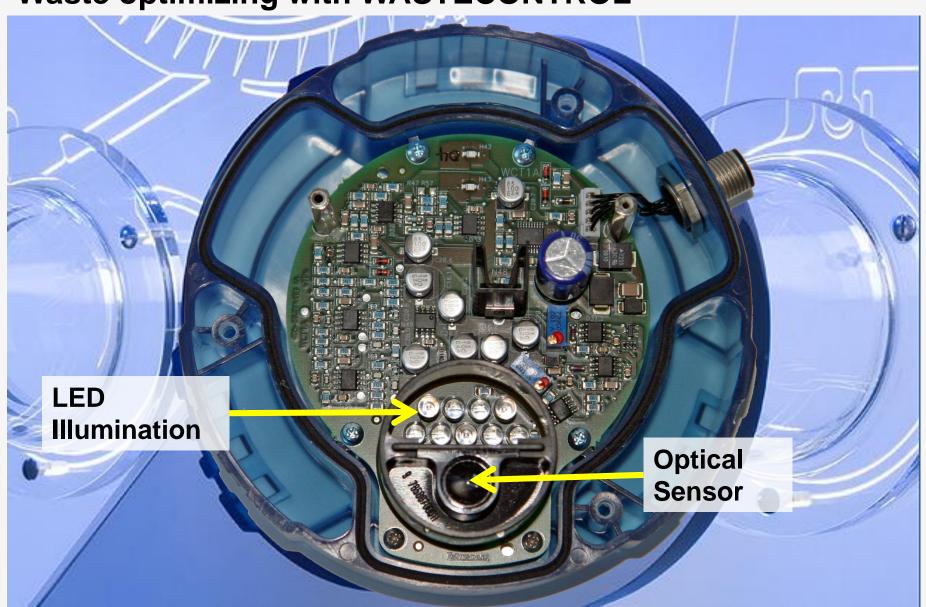


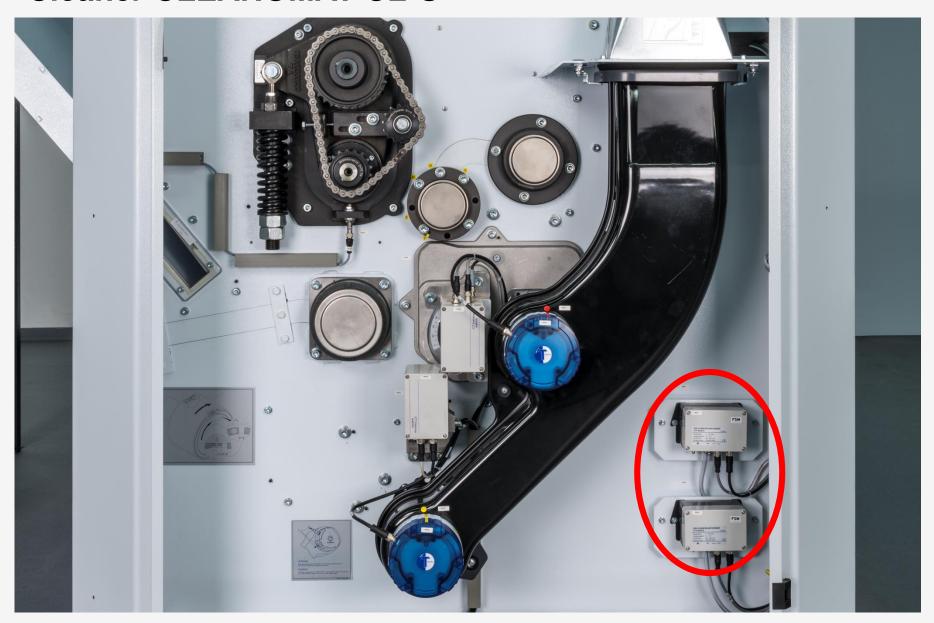






Waste optimizing with WASTECONTROL





Universal Cleaner CLEANOMAT CL-U

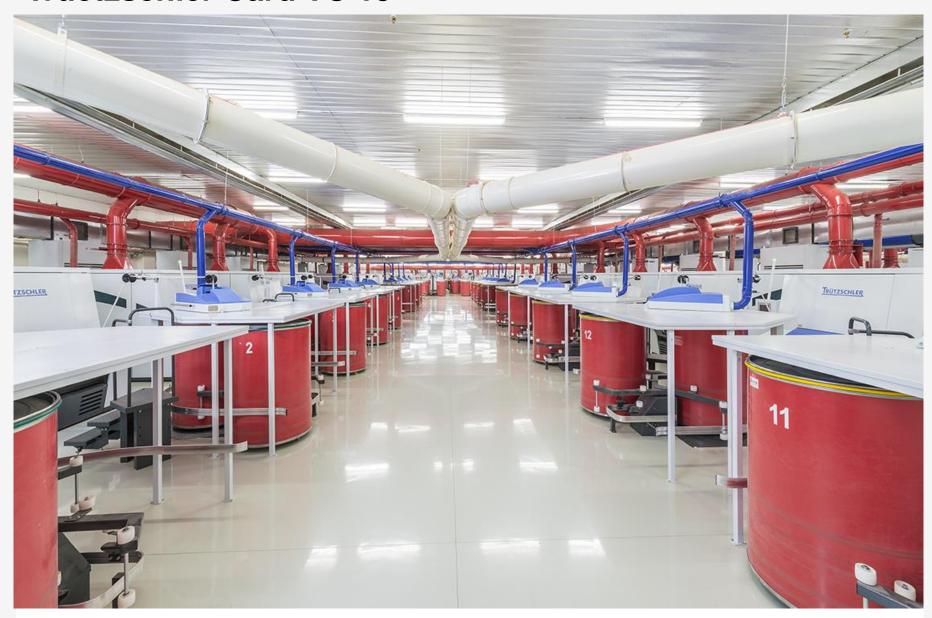


The CL-U is the universal cleaner for all applications.



Cards for ring- and air jet spinning

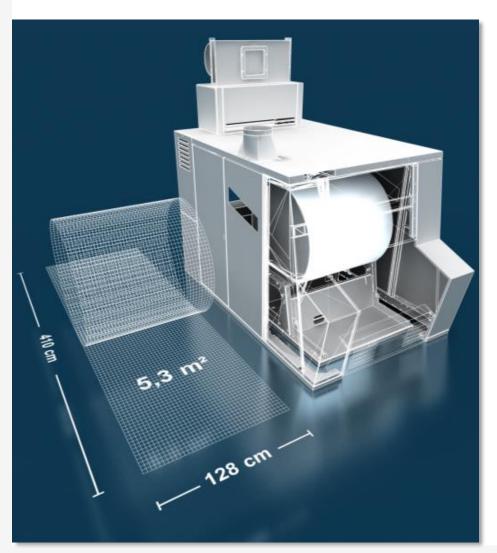




TC 15 – Top 3 (out of 20) most Important USP's



30 % larger carding area



The Truetzschler card TC 15 is the card with the largest carding area

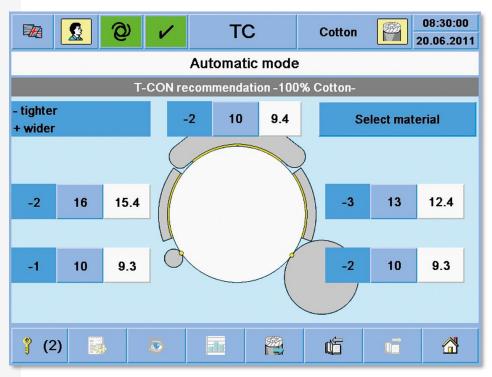
- Highest productivity
- Large open area around the main cylinder for flexible component configurations for each application
- Lowest energy consumption
- Low carding costs

TC 15 - MAGNOTOP



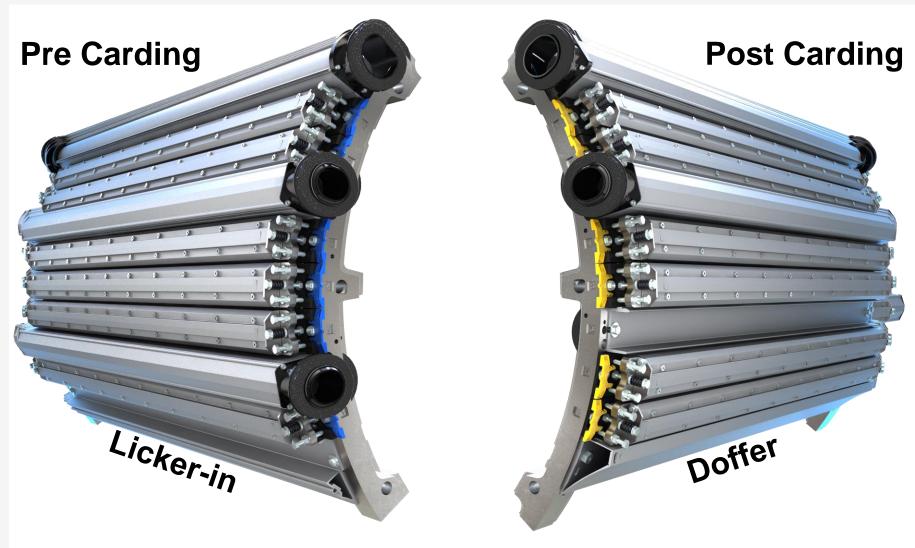
- Flexibility in selection of different tops
- Flexibility in selection of different applications
- > Elimination of flat workshop
- > Elimination of service costs
- > Elimination of spare sets
- > Elimination of transport

T-CON for optimal card setting



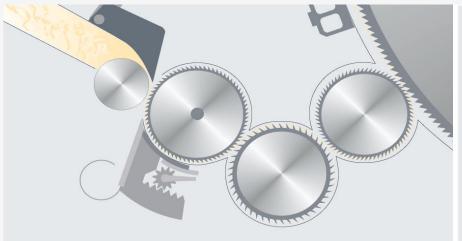
- Production increase of 10% while maintaining the same yarn quality
- Easier, faster, more accurate and more specific card optimisation
- > Warning, if settings are too close
- Automatic shutdown at component contact
- Optimization can be carried out in a targeted and reproducible way

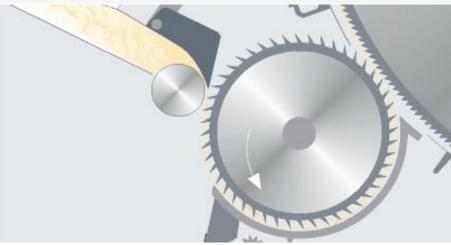
MULTI WEBCLEAN SYSTEM



Recycled Materials

TC 15 - One or three licker-in





3 licker-in WEBFEED

1 licker-in WEBFEED





TC 15 – Connecting different sliver coiling systems



TC 15 + T-MOVE



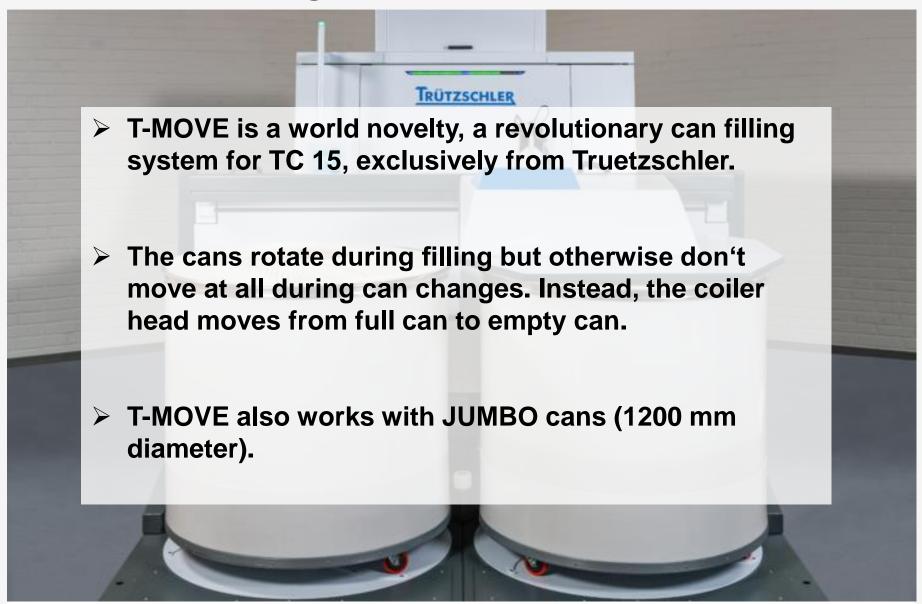
TC 15 Card with T-MOVE Can Filling Station



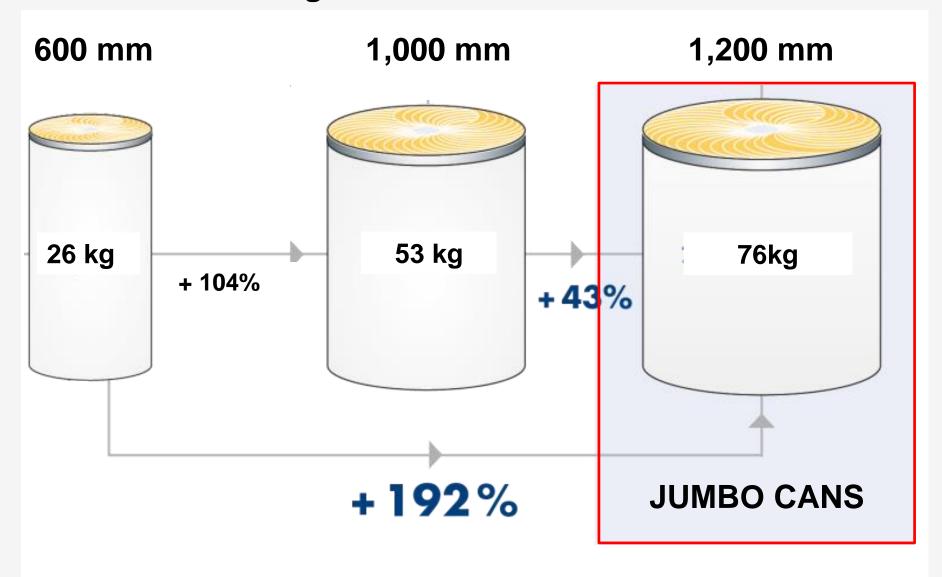
Can filling station T-MOVE with moving head



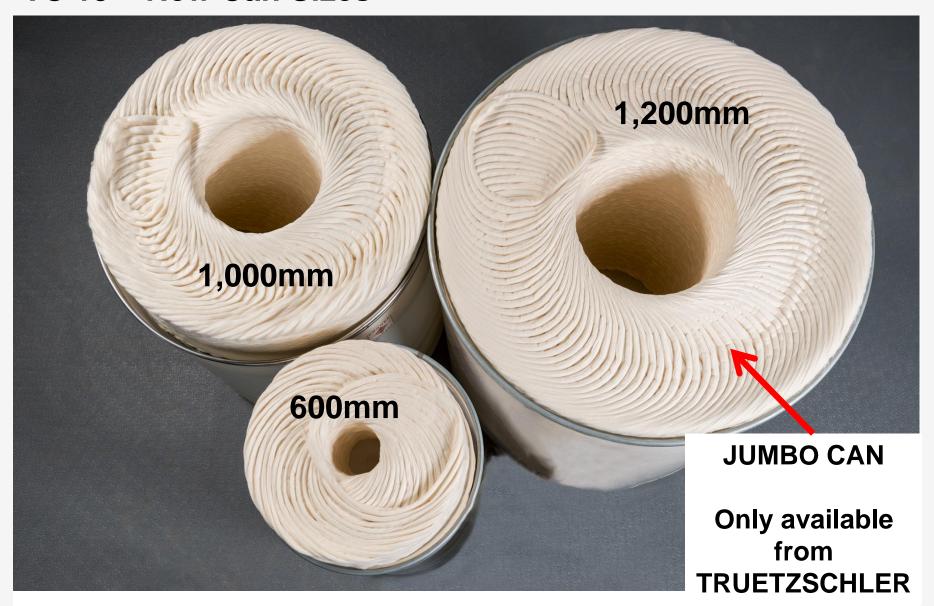
T-MOVE Card Filling Station



T-MOVE Can Filling Station and JUMO CANS



TC 15 - New Can Sizes



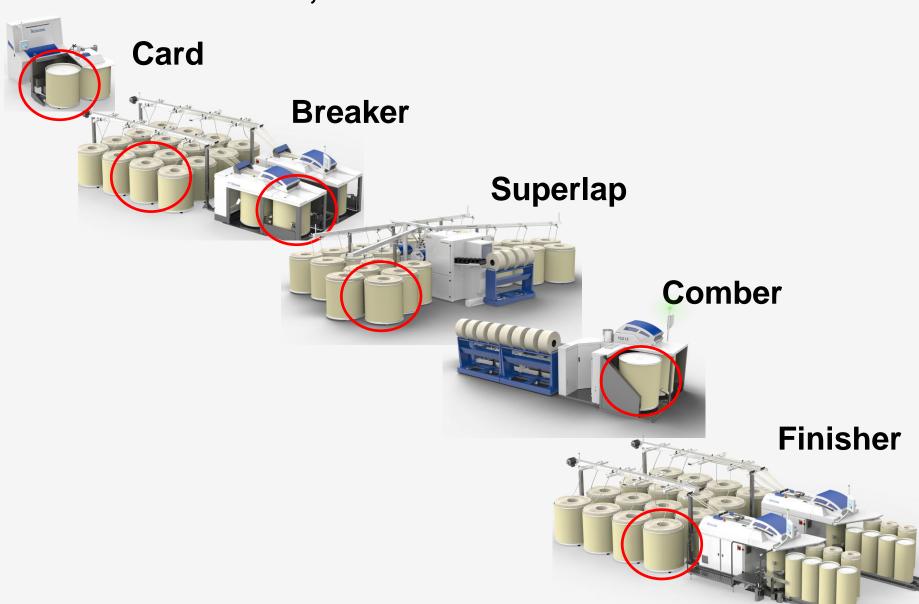
JUMBO CANS - 1,200 mm



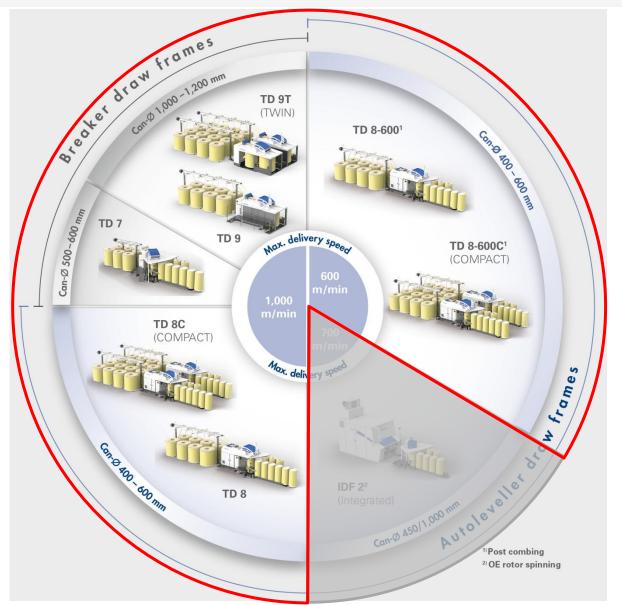
43% more sliver in one can:

- Less can changes = higher efficiency
- > Longer running time on downstream machine
- > Less can transports
- > Less sliver piecing's = Quality improvement

JUMBO CANS - 1,200 mm



Trützschler Draw Frames for ring- and air jet spinning



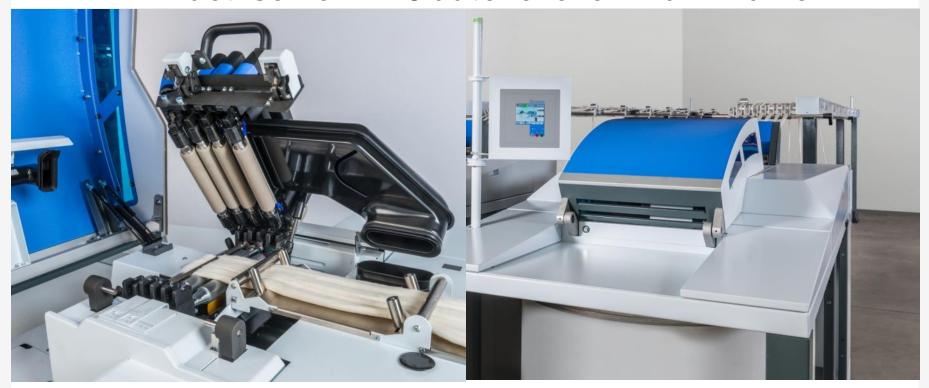
TWIN Draw Frame TD 9T

No efficiency coupling by means of separate drives



TWIN Draw Frame TD 9T

The breaker draw frame with the elements of the Truetzschler TD 8 auto leveller Draw Frame



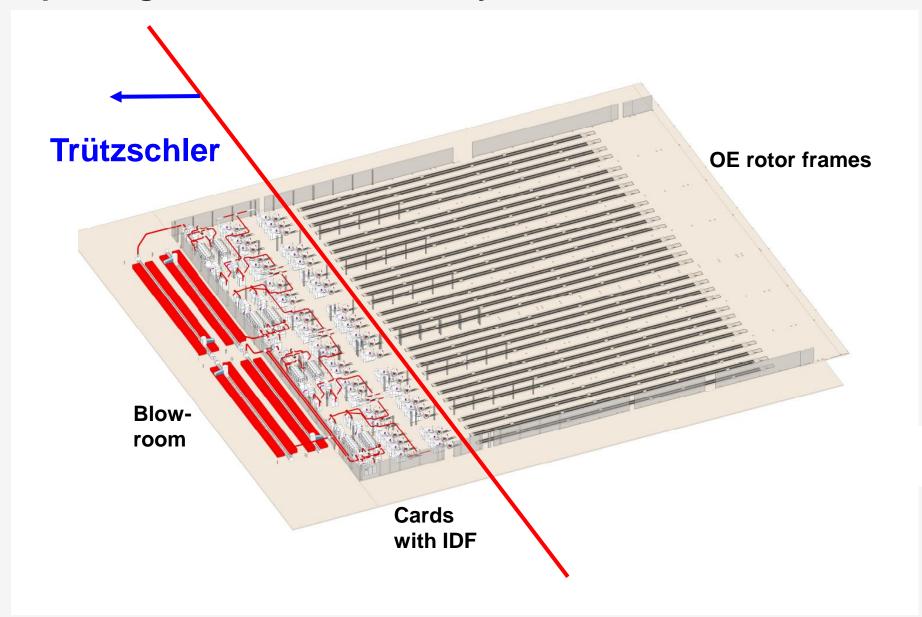
- 4-over-3 drafting system
- Pneumatic loading of top rolls
- Pneumatic threading aid
- Self-adjusting lap monitoring

- Coloured touch screen
- All creel variations
- Coiler plate with hydropolished tube

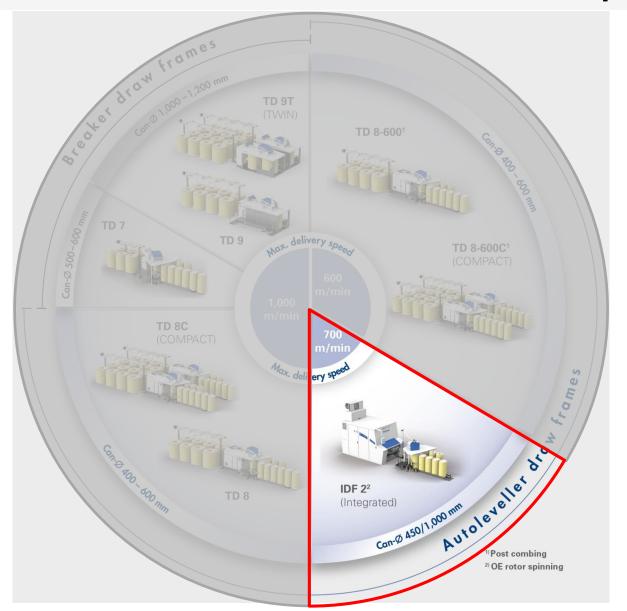
Trützschler Finisher Draw Frames for ring- and air jet spinning



Spinning installation for rotor yarns



IDF 2 – the Auto Leveller Draw Frame for rotor spinning

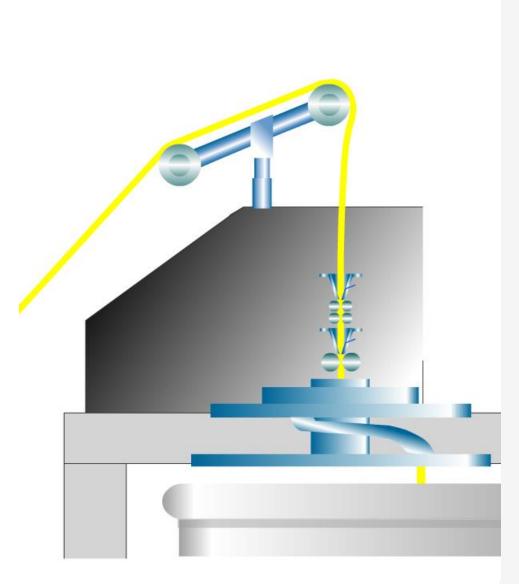


Trützschler Cards for rotor spinning

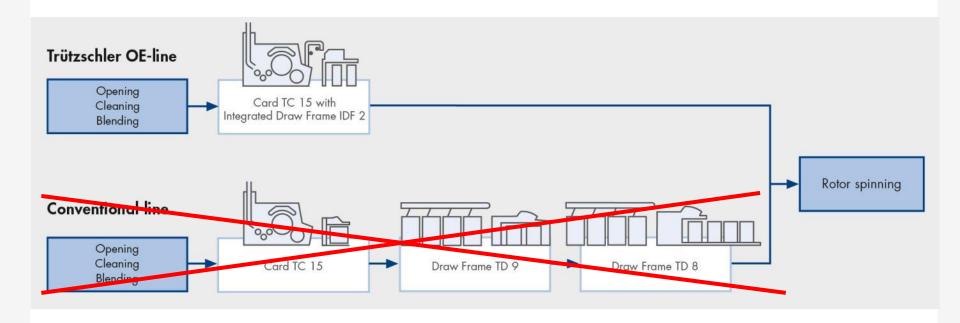






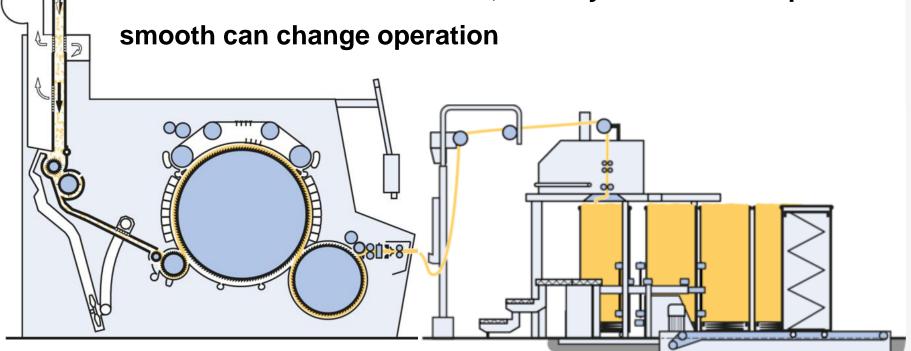


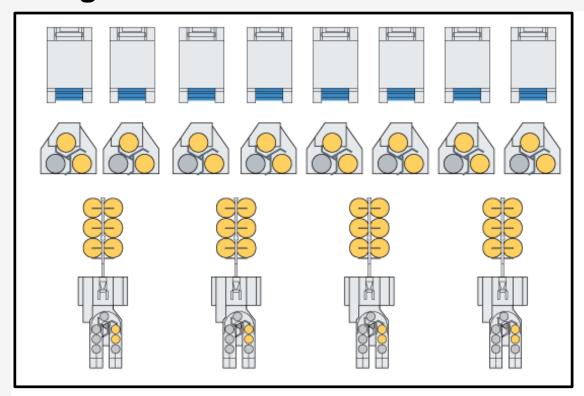
Improved efficiency with less machines



Direct spinning with Integrated Draw Frame IDF 2

- > 2-over-2 roller drafting system, specially developed for OE direct spinning
- Higher delivery speed up to 700 m/min
- Service life of top rollers doubled due to asymmetrical design
- New intermediate buffer zone, actively driven for a rapid and



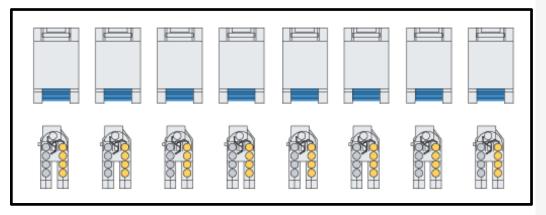


540 m²

48% less space requirement due to Integrated Draw Frame IDF

280 m²

- > Less operation
- Lower energy consumption
- > Fewer cans
- > Fewer can transports, etc.



Truetzschler Comber TCO 12



Truetzschler Comber TCO 12



Four exclusive features for higher performance:

- > 2-TWIN DRIVE
- > DUAL DRIVE
- **COUNT CONTROL**
- COMBING OPTIMIZER

TCO 12 - 2-TWIN DRIVE

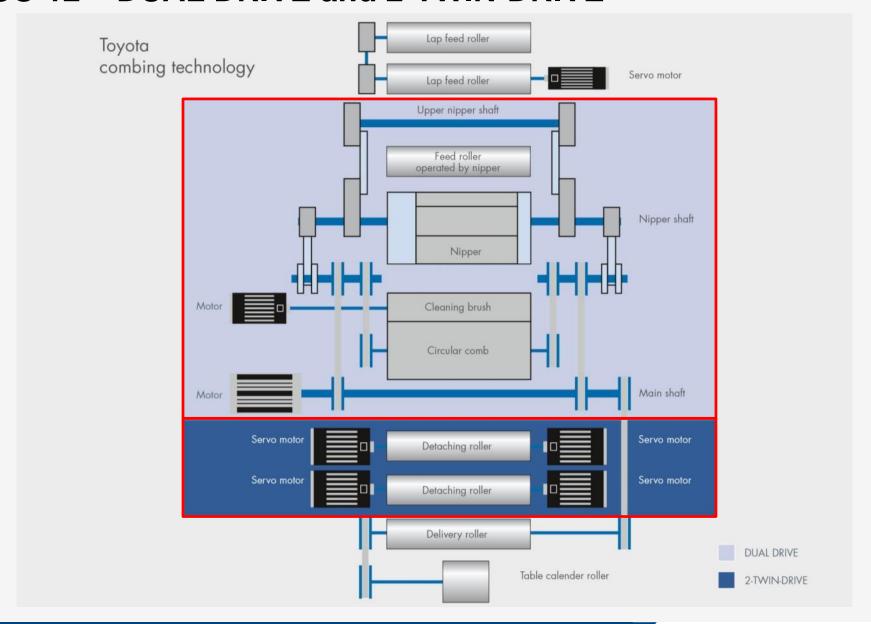
Truetzschler Comber TCO 12



Four exclusive features for higher performance:

- > 2-TWIN DRIVE
- > DUAL DRIVE
- > COUNT CONTROL
- > COMBING OPTIMIZER

TCO 12 - DUAL DRIVE and 2-TWIN-DRIVE

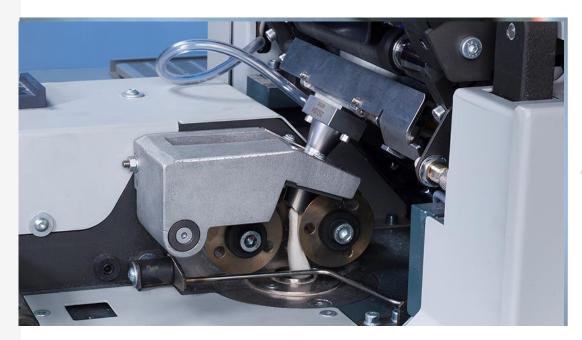


Truetzschler Comber TCO 12



TCO 12 - COUNT CONTROL

- > Count control is a levelling system.
- > The quality sensor determines the sliver count and transmits the signal to the control, which varies the main draft accordingly.
- > This feature keeps the sliver count constant.



DISK MONITOR for permanent Quality monitoring

Truetzschler Comber TCO 12



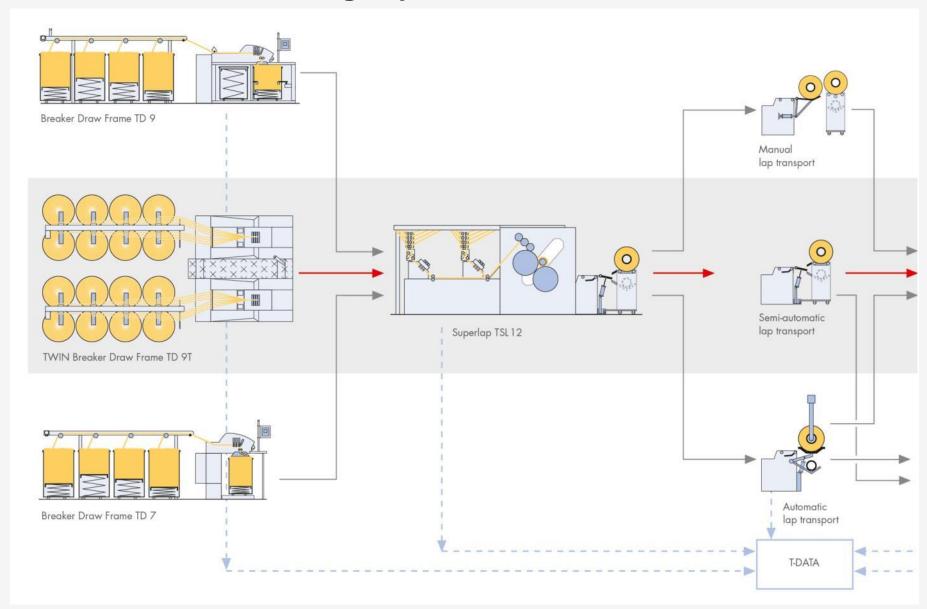
TCO 12 - JUMBO CANS

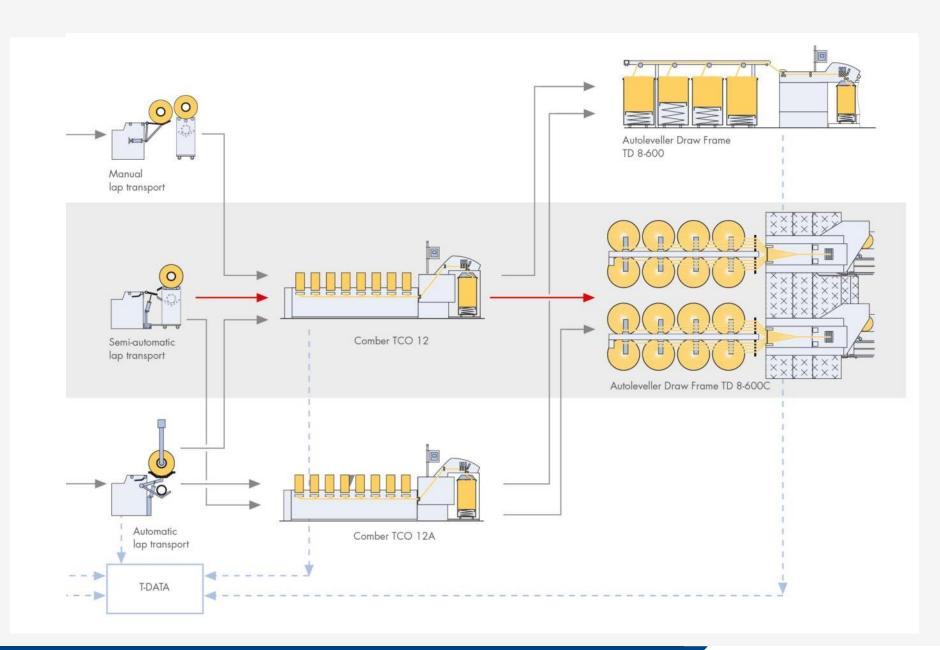


Comber TCO 12 with can changer for JUMBO CANS

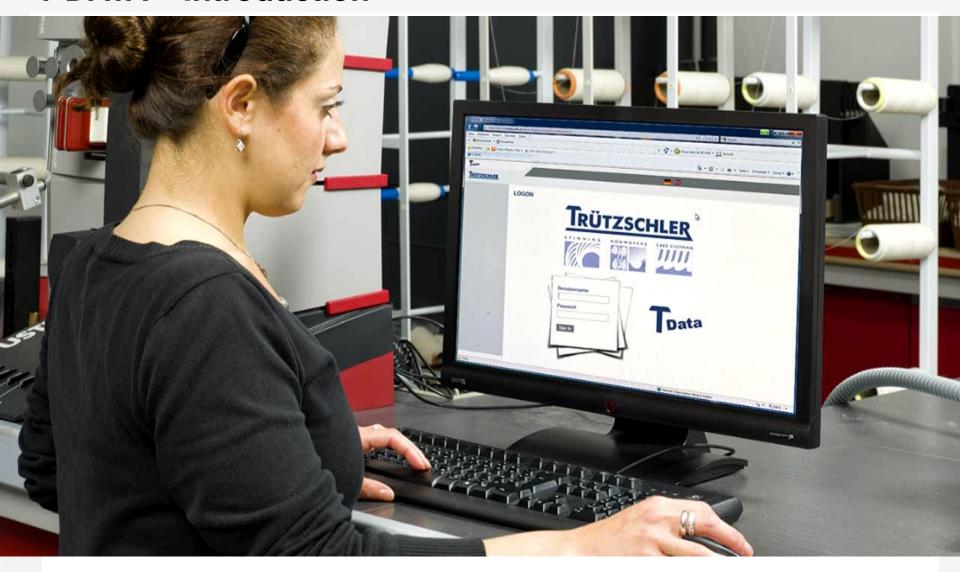
The Can Changer is underfloor for easy can handling

Truetzschler Combing System



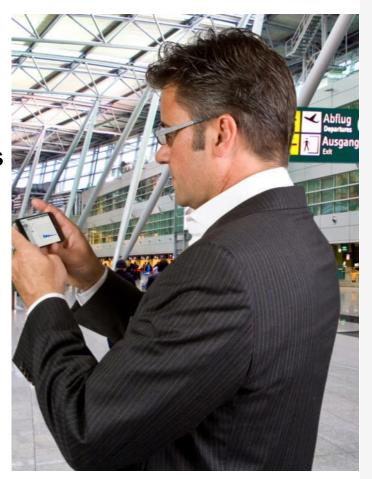


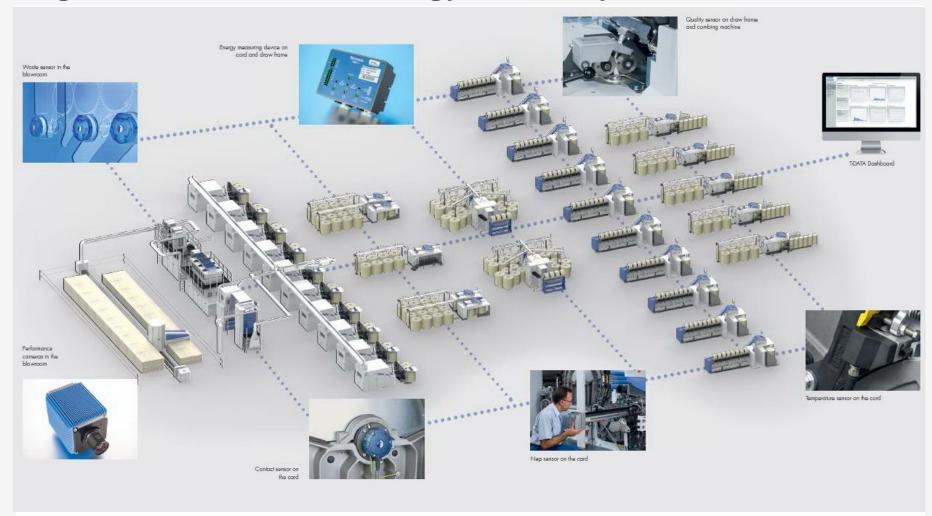
T-DATA – Introduction



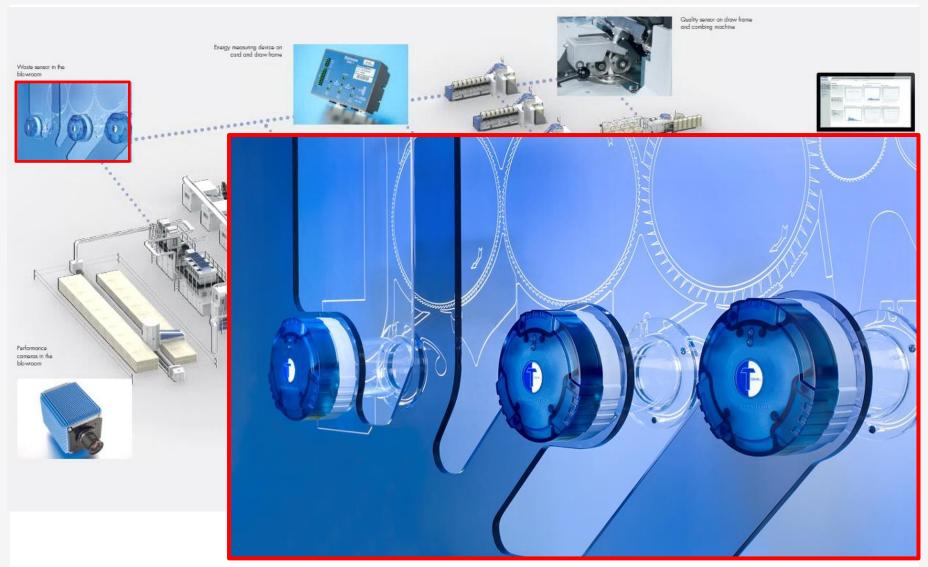
T-DATA

- Innovation
 - New dimension of data quality
 - > Mobility
 - Integration into customers' systems
- Customer benefits
 - > Mill monitoring
 - Production process analysis
 - Individual settings
 - Downtime reduction





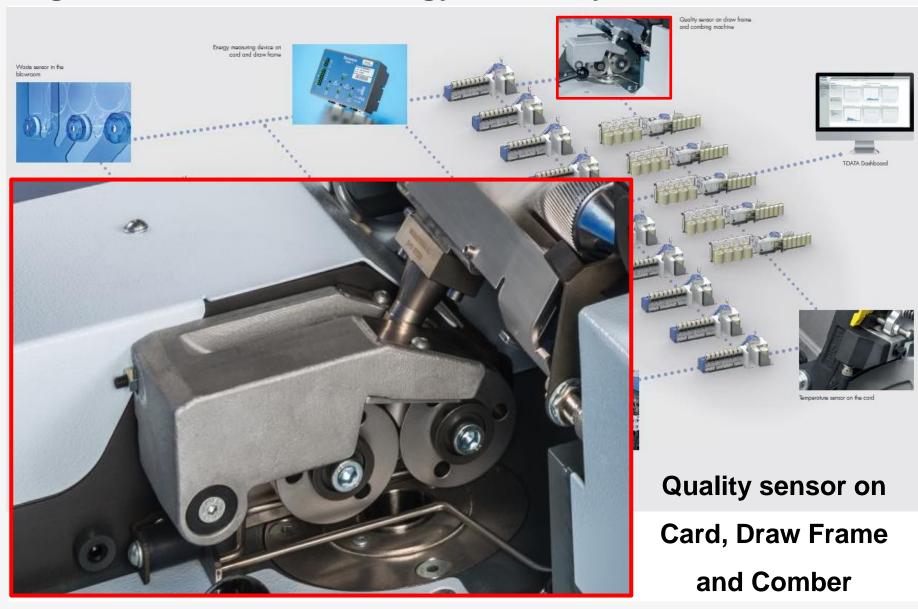
The right sensors at the right places

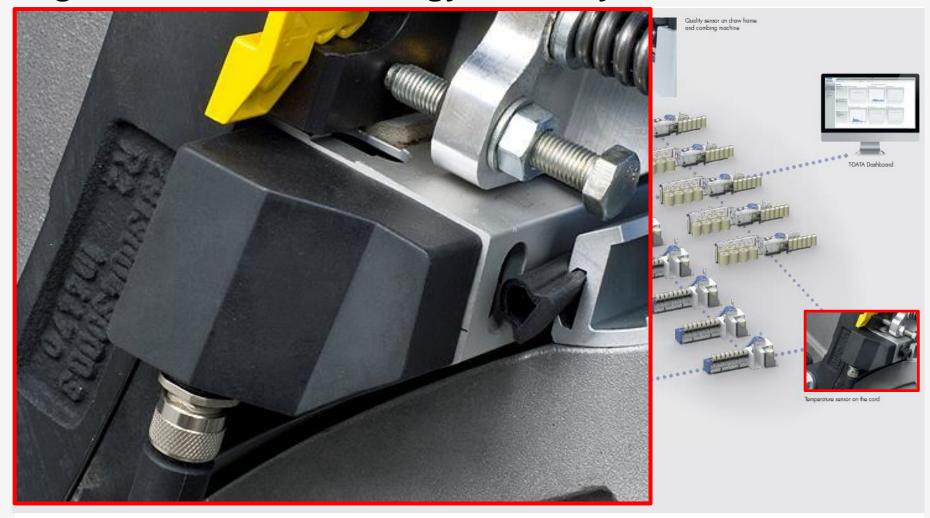


Waste sensors in the blow room

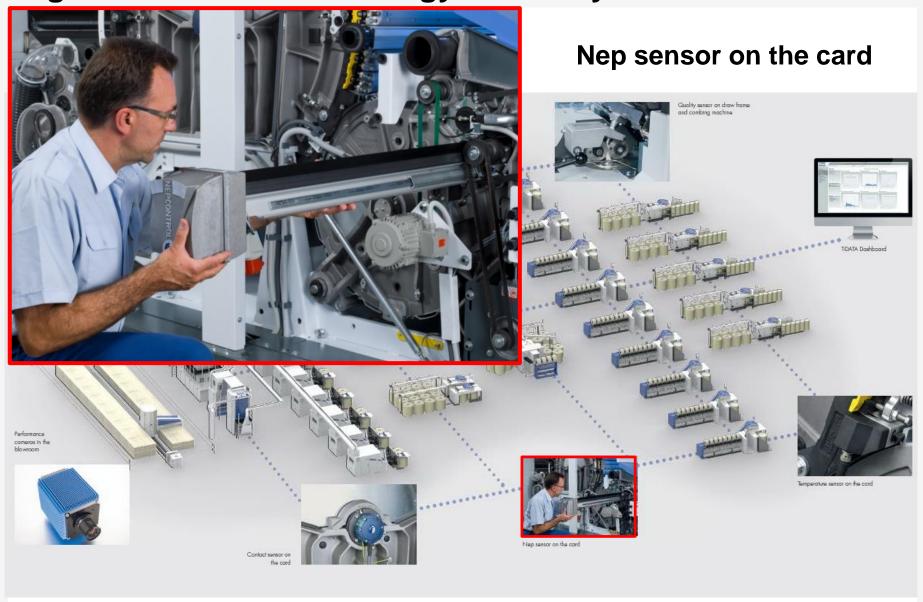


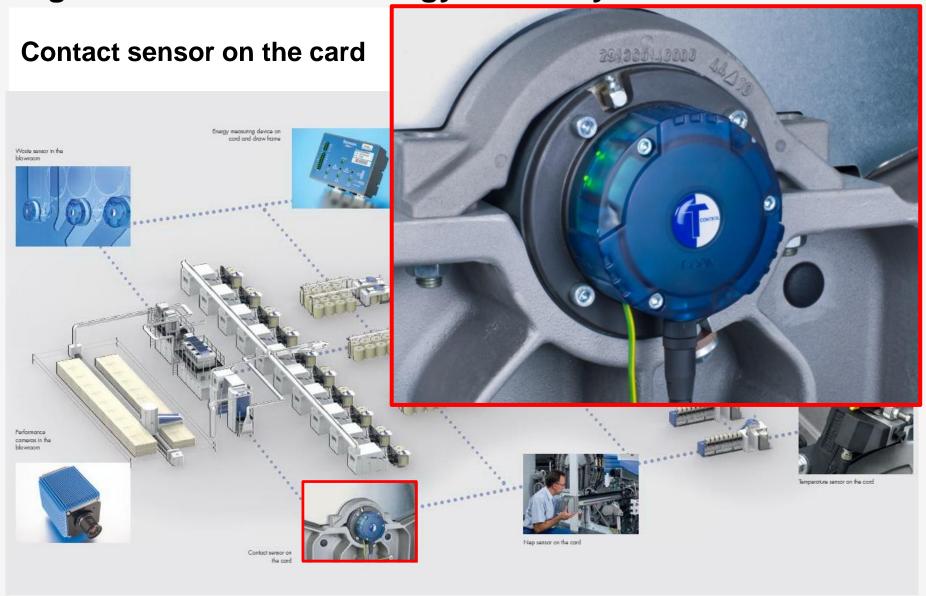
Energy measuring device on card and draw frame





Temperature sensor on the card







My Production-App

Production data in real time



Transparency across the entire spinning preparation



Simple and clear operation







Direct contact with person in charge

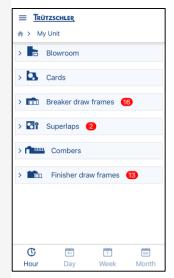


Insight, ranging from the unit to the individual machine

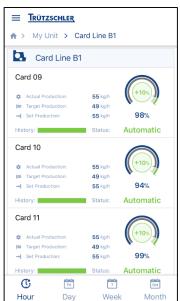


Secure, encrypted communication

My Production-App



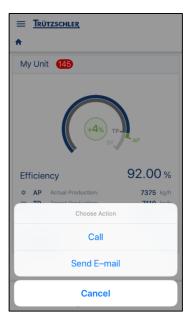
Machine groups sorted by progress.



On each individual machine.



All machine data is updated in real time.



person in charge of production.



Summary of the prodution data at highest level.

it's true it's truetzschler

Thank you very much for your kind attention



CARD CLOTHING SPINNING NONWOVENS MAN-MADE FIBERS

www.truetzschler.com