

# MANUFACTURING COTTON NONWOVENS



## COTTON LINES

Solutions for processing cotton fibers

# Cotton fibers – for highest quality products

Wet and dry wipes, femcare products, cosmetic pads and wound dressings –single-use products need softness, strength, fast dirt and liquid pick-up.

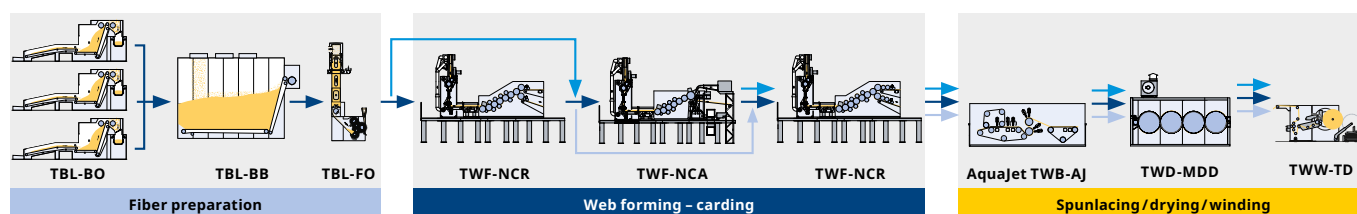
Spunlaced cotton nonwovens answer these demands. Moreover, they come from renewable resources and are fully biodegradable.

Since customer requirements differ significantly, we offer several machines and line configurations for efficiently processing

- 100 % noils (from your comber for instance),
- bleached and unbleached qualities,
- blends from virgin fibers and comber noils
- virgin cotton

## The COTTON-FLEX line configuration serves many applications

Decades of experience led to the proven, specialized TWF-NCR random card and the TWF-NCA airlay card.



### Line characteristics

- NCR/NCR cards for wipes:  
Web weight: 35 – 120 gsm / Line speed: 60 – 180 m/min
- NCR/NCA cards for wipes:  
Web weight: 35 – 120 gsm / Line speed: 60 – 120 m/min
- NCR/NCA/NCR cards for cosmetic pads:  
Web weight: 130 – 400 gsm / Line speed: 15 – 60 m/min

### It's your choice

- A crosslapper optimizes MD/CD ratio.
- Flat top TC cards, a solution for small capacity lines, ensure spotless webs with minimal nep content.
- If your goal is needle-punched cotton nonwovens – talk to us. Our T-SUPREMA needle-punching lines are available for cotton fibers too.

### Key components in cotton processing

All machinery ensures gentle fiber treatment and high throughput.

#### • Fiber preparation T-BLEND

The clamp-free fine opener TBL-FO prevents nep generation and fiber breaks.

#### • Carding and web forming T-WEB

The NCR random and the NCA airlay card easily process shorter fibers. They ensure gentle carding, extended blending, minimal nep content, a random fiber orientation and a higher web thickness.

T-BLEND and T-WEB components implement the “Clean Concept”. Designs for easy and fast maintenance improve machine availability and overall line efficiency.

#### • The AquaJet in cotton processing (T-BOND)

Key to high cotton line uptime is a powerful filtration to prevent bacteria growth in the water circuit.

#### • Through-air drying (T-DRY)

The modular TWD-MDD multi-drum dryer ensures highest evaporation capacities at minimal energy consumption.

More information:



Contact us: [nonwovens@truetzschler.de](mailto:nonwovens@truetzschler.de)