

# MANUFACTURING NEEDLE-PUNCHED NONWOVENS



## T-SUPREMA LINES

Geo- and automotive textiles, filter media etc.

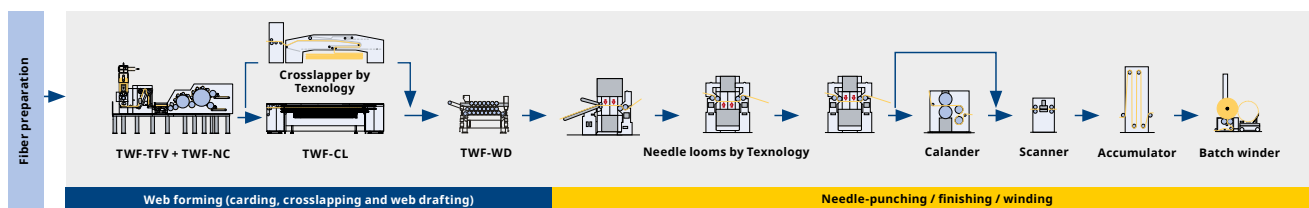
# T-SUPREMA – Needle-punching as easy as never before

T-SUPREMA machinery is designed to minimize stand still times, maximize product quality and easy operation. Card, crosslapper and needle looms reliably process virgin and recycled man-made and natural fibers as well as performance, glass or metal fibers. Among others, T-SUPREMA lines deliver geotextiles, filter media, automotive textiles, technical felts or lighter weight niche products.

In cooperation with Texnology srl, Trützschler Nonwovens supplies complete needle-punching production lines – all tailor-made to specific requirements with full service out of one hand from the beginning.

Operational simplicity is further supported by basic T-ONE functionalities. Digitalized work routines, production monitoring and systematic data collection boost line performance and efficiency.

## A typical line for needle-punched geotextiles



### Line characteristics

- Medium/high-capacity line with 600 to 1200+ kg/h and web weights of up to some 800 gsm
- For PP, PET or recycled fibers (up to 12 dtex)
- Working width up to 7,000 mm (final)

All lines will be customized according to application and requirements.

### Cooperation with Texnology s.r.l.

Texnology is a leading manufacturer of next-generation needle looms, felt drafter, profiling and high speed crosslapper systems.

### Key components in needle-punching

Machinery for T-SUPREMA lines are carefully chosen.

- The T-BLEND equipment ensures reliable and highly precise fiber opening.
- Various card and card feeder configurations and executions fit every raw material. For natural fibers, the random NCR card is the industry's leading web forming solution.

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

### Good to know

- Crosslapper depends on working width
- Wide range of finishing
- Offline configurations implement for 2-step processes
- An AquaJet replacing the 2nd /3rd needle loom allows for advanced fiber entangling and surface finishing.

Machine designs minimize stress on components thus reducing or even preventing vibrations, noise, leakage, wear and tear. The modular built allows for easy accessibility and effortless maintenance.

- Customized solutions depending on application and requirements
- Line are also available with automatic, closed-loop web profiling regulation.
- Texnology offers 6 single/double board needle loom types. Needle densities, stroke amplitudes and frequencies etc. will be adapted to requirements.
- Lines are also available with automatic, closed-loop web profiling regulation.

More information:



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