

Tandematic



Rail Mounted Trim System

General Properties

- Shear Type Trim blades act as scissors giving clean cut & extraordinary blade life
- Tungsten Carbide trim blades for extended blade life
- Edge-following system for minimal trim waste (4 mm)
- Unique positive pressure Venturi eliminates trim clogs or trim waste staying on pins
- Air nozzles keep fabric under cutters even after mis-pins
- Industry 4.0 compliant



Advantages

- Drastically reduced trim waste
- Increased fabric yield
- Industry's longest blade life

Gum Application System

General Properties

- Application of gum to upper surface of fabric results in trim waste reduction (yield increases) not possible with conventional under-side designs
- Gum thickness adjustable (via repeatable transfer roll) while machine is running without changing gum composition
- Gum is transferred to tank by a peristaltic pump with level controlled by automatic overflow. Continuous recirculation eliminates jelled or skinned gum
- Quick drying/curing time with water-based gum
- Safe and environmentally-friendly—no chemical solvents

Advantages

- Increased fabric yield
- Reduced fabric waste
- Reduced downtime due to increased machine efficiency



Stenter-Rail Guiding System

General Properties

- Mis-Pins virtually eliminated
- Sees all colors & textures without sensor adjustment
- Zero dead-band for accurate pin line
- Hardened ball screw Rail actuator with low inertia and high torque
- Speed of rail movement: 230 mm/s
- Servo control system for fast/precise reactions under any condition
- Industry 4.0 compliant

Advantages

- Reduced trim waste / Closest pinning distance
- Reduced downtime / Increased productivity
- Reduced maintenance



Tandematic De-curlers

General Properties

- Low friction design removes edge curl before pinning
- Separate knobs for both “degree of fabric engagement” and “downward force” adjustment
- Quick release bayonet latch for quick/tool-less cleaning
- Easy-to-install and operate
- Maintenance-free
- Works on wet and dry fabric

Advantages

- Closest pinning possible
- Reduced waste
- Increased fabric yield
- Zero damage of fabric surfaces
- Zero energy consumption



Tandematic

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Tandematic engineers an innovative line of textile machinery serving the finishing needs of the knit and woven marketplace. Tandematic has over 40 years of experience designing, engineering and manufacturing textile machinery. The new generation of Tandematic continues to innovate to meet the ever-changing needs of the marketplace.

For custom solutions, including fabric storage, standalone beam trimmers or full-width decurlers; contact our team of experts to meet and exceed your production needs.