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Thread treatment lines for the rubber industry



Characteristics

- Unwinding of coils, rolling or overhead take-off
- Single-stage or two-stage dip processes possible
- Dip process with driven rolls and variable application rates
- Wide tension ranges and exact control with high-precision force measuring rolls
- Dryer and polycondensation drying tunnel optionally with gas, thermal oil or steam heating
- Optional relaxation drying tunnel
- Explosion-proof design of the system possible
- Draw roll units for exact speed control and high tension ranges
- Winders for cross-wound and flanged spools available

Application Areas

Reinforcing materials and strengthening elements of technical threads are integrated into many rubber and caoutchouc products such as tires, belts and hoses. The finishing of the threads and treatment by hot drawing is performed on high-performance thread treatment lines in multi-stage processes. This gives the technical threads and yarns optimum adhesion to the rubber and a selective stress-strain ratio.

Technical Specifications

Thread pay-off points:	max. 120
Dip stations:	3
Drafting systems:	4
Dryer channels:	max. 5
Tensile force:	2 N - 300 N/thread
Speed:	5 - 250 m/min.