

Think Small.

Tire manufacturers are building smaller more flexible plants. Our "Think Small" R&D program is developing tire component machines to lead the way:

- Faster.
- More flexible.
- More efficient.
- Highly automated.
- Smaller footprint.

Steelastec is enabling modern tire makers to "go small."

NEW IN 2019

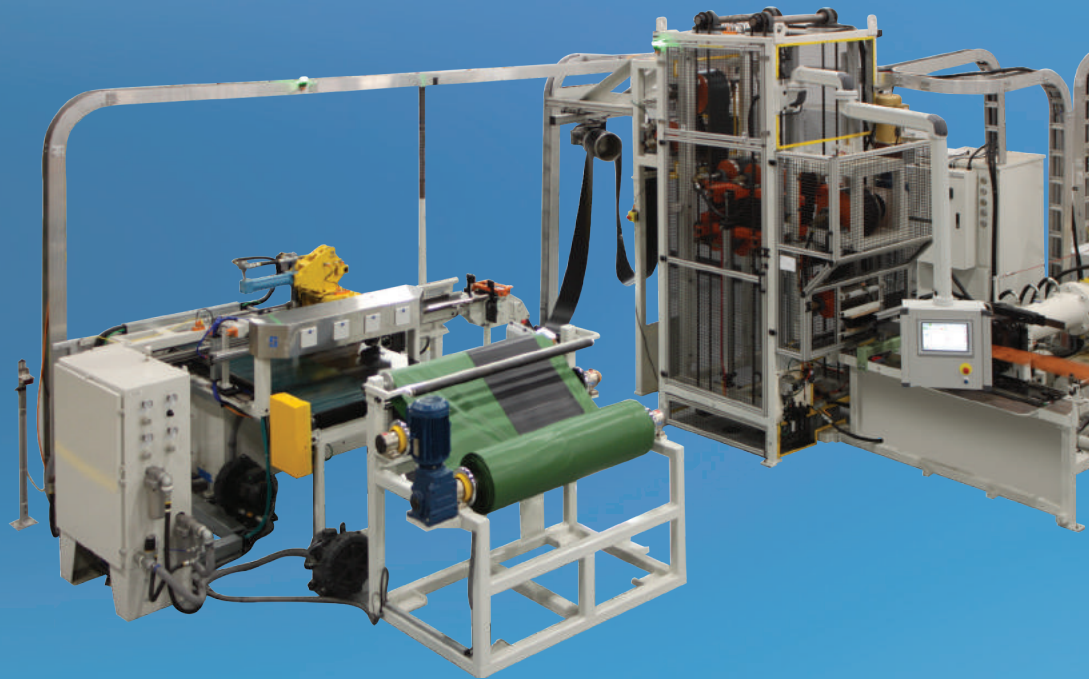
The Steelastec extruded textile body ply systems make it possible to produce passenger and specialty tires without calendering. Our proven precision splicing technology along with our high accuracy cord placement tooling combines to create a superior component prep solution. This is the final piece in the puzzle to make the lower volume, highly flexible, 'calenderless' tire plant of the future a reality.

- Well-suited to modern PCR, Aircraft and Motorcycle applications
- Minimizes capital investment with high productivity and quality
- Single operator operation
- Small footprint
- Capacity: approx 5500 tires per day (size & build dependent)
- Advantages over other methods
 - Processes single ended textile cord with no possibility of crossed wires
 - Superior quality: precise width, gauge, and edge straightness
 - Precision splice and ply angle
 - Shortest compound heat history
 - Uniform cord tension
 - Precise cord placement
 - No 3-4 cord manufacturing splice
- Ideal for greenfield applications and factory expansions

STEELASTIC®

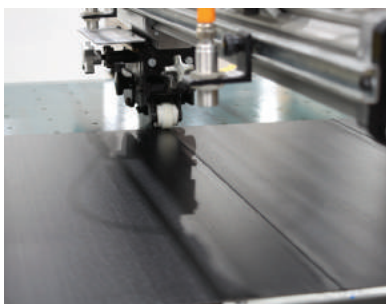
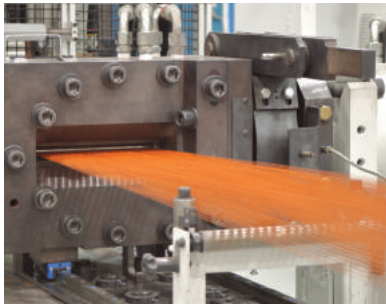
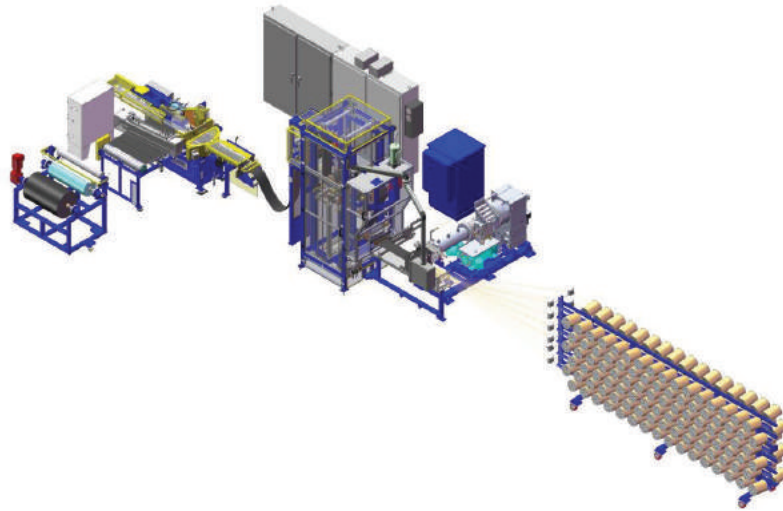
EXTRUDED TEXTILE BODY PLY SYSTEM

Fast • Flexible • Efficient • Automated • Traceable





EXTRUDED TEXTILE BODY PLY SYSTEM



SPECIFICATIONS

Typical System Footprint:	8.5 m x 28 m [28' x 90']
Cord Diameter:	0.25mm - 1.83mm [0.010" - 0.072"]
Extruded Strip Gauge:	0.5mm - 2.0mm [0.020" - 0.079"]
Extruded Strip Width:	250mm [10.0"]
Body Ply Angle Range:	85° - 90° (250mm [10.0"] strip)
Body Ply Width Range:	100mm - 1016mm [4.0" - 40.0"], custom ranges upon request
Cutting Rate (max.):	32/minute
Extruder Size:	90mm [3.5"], 120mm [4.5"], or 150mm [6.0"] smooth barrel (Extruder size depends on strip width, ply gauge, and overall production needs)

CUSTOMIZATION & OPTIONS

- Creel systems
- Creel loading systems
- Cord pre-heating drums
- Electron beam radiation
- Screen changer systems
- Feed conveyors and metal detectors
- Strip gauge inspection systems
- Accumulation
- Material piercing
- Wind-up systems
- Data acquisition systems
- Cord tension control systems from creel through process

Global Patent Applications Pending