

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.

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

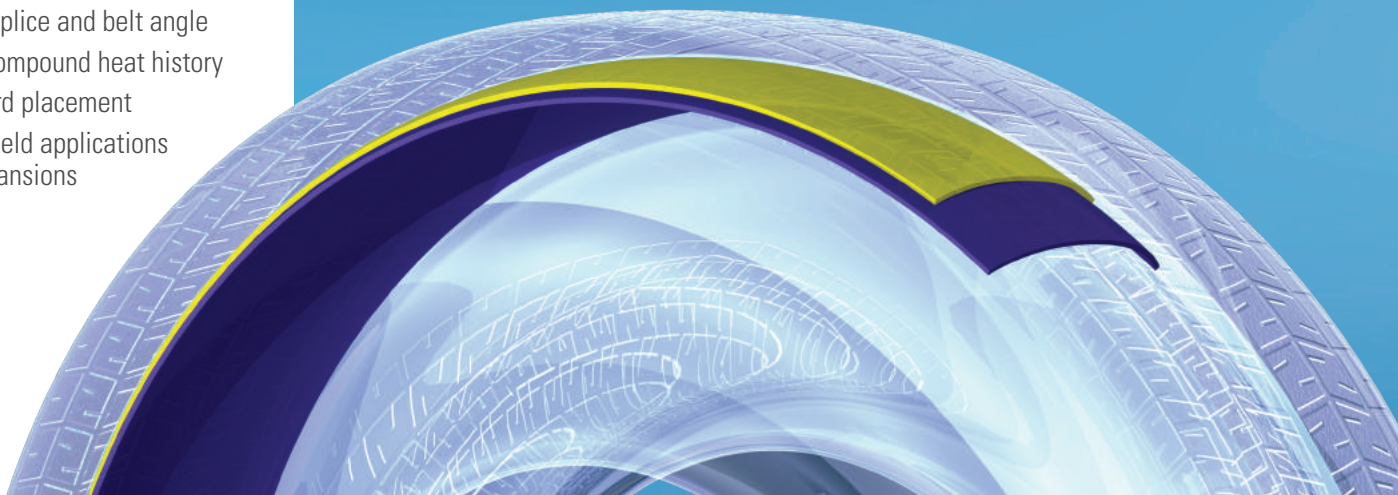
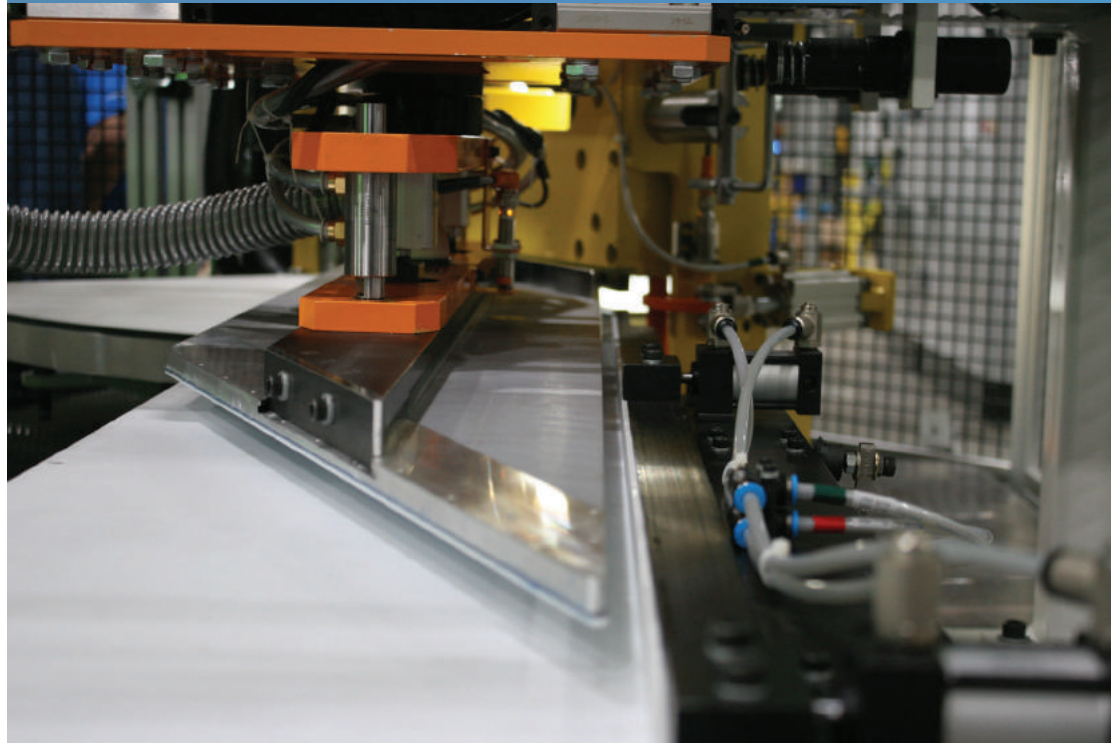
The latest Steelastic extruded belt systems make it possible to produce passenger, truck / bus, and specialty tires without calendering and off line cutting. Closed-loop automation minimizes operator involvement through the use of the very latest measurement technologies and closed-loop control. 3D cameras and laser inspection automatically locate and rapidly correct imperfections. The result is a reliable, quality-spliced product backed by empirical data. Changeovers take minutes versus the extended outages required with calendering equipment.

- Well-suited to modern PCR and TBR applications
- Minimizes capital investment with high productivity and quality
- Ultra-fast changeovers with automatic knife angle adjustment
- Single operator operation
- Reduced footprint with fixed parallel flow design
- Closed-loop automation locates and corrects imperfections - fast
- Capacity: up to 8,000 tires per day
- Processes steel cord with no possibility of crossed wires
 - Superior quality: precise width, gauge, and edge straightness
 - Precision splice and belt angle
 - Shortest compound heat history
 - Precise cord placement
- Ideal for greenfield applications and factory expansions

STEELASTIC®

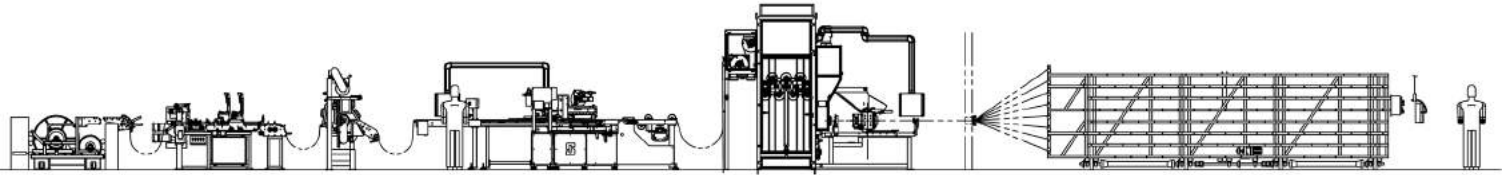
EXTRUDED STEEL BELT SYSTEM

Fast • Flexible • Efficient • Automated • Traceable





EXTRUDED STEEL BELT SYSTEM



SPECIFICATIONS

Typical System Footprint:	4 m x 28 m [13' x 90'] (versus legacy 12.7 m x 28 m [42' x 90'])
Wire Diameter:	0.25mm - 1.83mm [0.010" - 0.072"]
Extruded Strip Gauge:	0.5mm - 2.0mm [0.020" - 0.079"]
Extruded Strip Width:	200mm [8.0"] or 250mm [10.0"]
Belt Angle Range:	18° - 23° (200mm [8.0"] strip) 23° - 90° (250mm [10.0"] strip)
Belt Width Range:	100mm - 500mm [4.0" - 20.0"]
Cutting Rate (max.):	40/minute
Extruder Size:	90mm [3.5"], 120mm [4.5"], or 150mm [6.0"] smooth barrel (Extruder size depends on strip width, belt gauge, and overall production needs)

CUSTOMIZATION & OPTIONS

- Creel systems
- Creel loading systems
- Screen changer systems
- Feed conveyors and metal detectors
- Strip gage inspection systems
- Accumulation
- Slitter systems
- Hot and cold gum edging systems
- Wind-up systems
- Data acquisition systems
- Upgrades to your existing Steelastic system

Global Patent Applications Pending