

Extruded Steel Belt System

Small Investments. Big Paybacks.

Steelastic continues pushing tire component manufacturing technology forward! Our wide range of machinery options enable your current in-service equipment to keep pace with advancing demands of quick turn, small scale manufacturing cells.

- **Improve Automation:** Cut labor costs.
- **Speed Changeovers:** Add manufacturing flexibility.
- **Improve Quality:** Document accuracy for OEMs during the build process.
- **Cut Costs:** Increased quality reduces scrap-out costs to save you money.
- **Build Productivity:** Run faster with less downtime.



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.

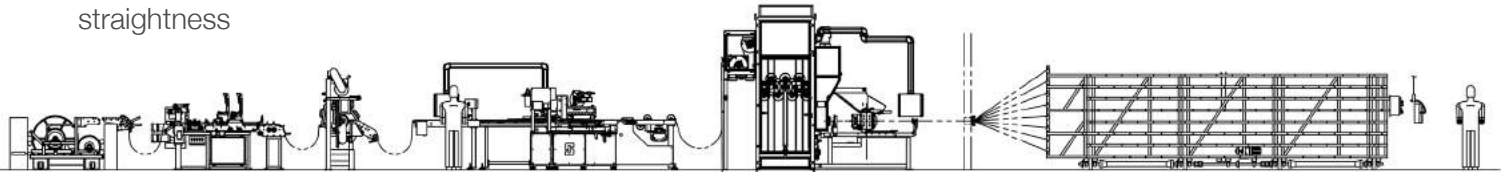
- Well-suited to modern PCR and TBR applications
- Minimizes capital investment with high productivity and quality
- Ultra-fast changeovers with automatic knife angle adjustment
- Single operator operation



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STEELASTIC® Extruded Steel Belt System

- 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



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.): 38/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 and Options

- Creel systems
- Creel loading systems
- Screen changer systems
- Feed conveyors and metal detectors
- Feed conveyors and metal detectors
- Strip gauge 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)*