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
**EXTRUDED STEEL BELT SYSTEM**

### 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

### 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 Gage:** 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)