

# PRO-DUCTOMATIC®

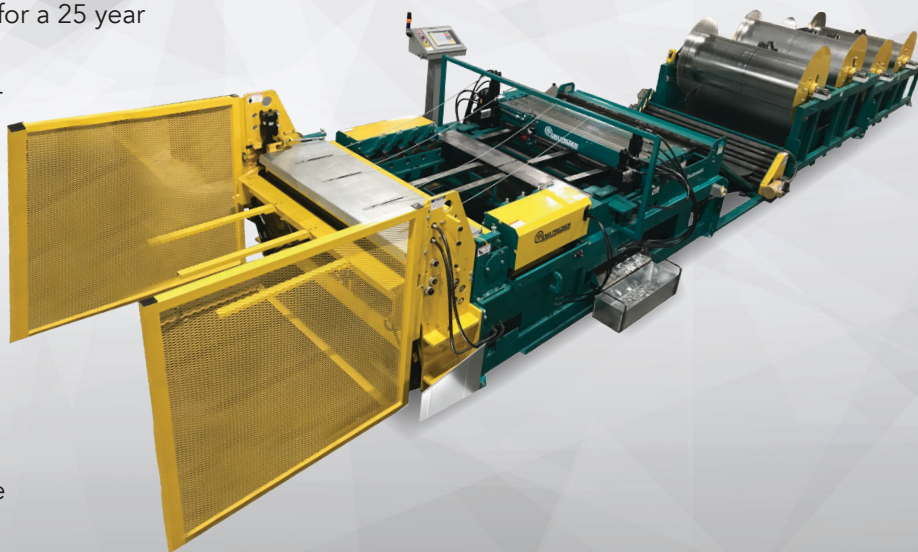
## Front End Coil Line

The Pro-Ductomatic® Front End Coil Line was designed, engineered, and built to efficiently and precisely produce finished duct sections. This front end coil line will dramatically reduce your material, labor, and storage costs and will increase overall profits. The controls and processing features are designed, built, and serviced by Iowa Precision, providing total system support.

The Pro-Ductomatic® Front-End Coil Line System provides the fastest feed rate in the industry and the most economical footprint in the world. Every Pro-Ductomatic Front-End Coil Line System has been designed to maximize return on investment by delivering years of reliable production. This system was designed for light to heavy duty commercial applications and allows future additional components to make this system a complete automated duct line. The Pro-Ductomatic is the start of a complete Pro-Fabriduct Full Coil Line.

The Pro-Ductomatic Front End Coil Line system includes:

- Fabricating from coil feed material instead of sheets of material will increase ROI
- E-Z load coil drum assemblies for quick coil changeover (no lifting devices to add to your lift truck)
- Hydraulically powered gear driven decoiler system on each coil station with low friction UHMW shaft pockets
- Multi-grid skate roll system for support of every coil station
- Powered multi-station coil select for hands-free material feeding into the system processor
- Industrial designed solid block die construction for a 25 year die life
- The industry's toughest and most stable frames - structured steel tube construction-maintaining structural strength will allow accessibility for maintenance, clean up and service
- Shear head squaring system designed for tool-free adjustment
- Industrial, solid-state PLC touch screen operating system controller with storage recall
- State-of-the-art control designed, manufactured and serviced by Iowa Precision
- Full-width contact feed rolls for positive accurate movement
- Engineered with heavy-duty left/right synchronization to stabilize cutting action and give the lowest moving mass, thereby reducing shock and vibration during the cutting stroke
- Quiet operating system with a sound level less than 67 DB
- Soft start motors for long life
- Breaks the blank into L, U, or fully wrapped sections so that the sections are ready right off the line for installation
- The system drives material off the coil to flatten, bend, bead, notch, forms the slip and drive cleat, produces the male Pittsburgh or snap lock seam.



## CAPACITY:

- Coil Gauge: 16-26 gauge mild steel, 14 gauge mild steel optional
- Coil Width: 60" width with optional 72" width

## PROCESSING SPEED:

- Feed rates up to 75 feet per minute

## PART DETAILS:

- Part length: 120" maximum
- Part length tolerances: +/- .020"

## MACHINE DESIGN:

- Individual hydraulic gear driven soft start motors
- Individual hydraulically actuated hold down rolls
- Wireless jog pendant technology
- Hydraulically actuated infeed ramp for better feed up of material to the coil line processor
- Line hydraulic notching dies for TDC, TDF, Slip & Drive, Pittsburgh, and Snap Lock
- Combination shear brake for male leg production of both Snap Lock and Pittsburgh
- Hydraulically actuated dual head cleat roller
- One electrical connection
- Industrial, solid-state PLC touch screen operating system controller with storage recall
- Solid State B&R True Machine Tool Control and remote self-diagnostics

## DECOILING SYSTEM:

Decoiling feed system supplies each coil station with it's own hydraulic motor drive and feed up path, allowing for hands off coil selection and feeding by selector switch and push button. Coil capacity of up to 12,000 lbs are standard, with a high capacity option up to 20,000 lbs available, is the heaviest in the industry.

## OPTIONS:

- Punchmaster
- Center and end hol punch for 5/16" and 7/16" diameter cross-tie installations
- Tie-Rod Punching, male button lock, and slitting
- Damper Program
- Cleat roller, roll forms 180° hems for drive cleats, and Snap Lock Button Punch
- Comes in two standard models known as Short Frame or Long Frame. Frame type is determined by options chosen.