

# NEWS RELEASE

## Lafayette Steel Sales Installs 60,000# x 72" x 1/4" Slitting Line

Indianapolis, IN – Lafayette Steel Sales, a prime flat rolled coil and sheet distributor and coil processor has installed a new high-production Braner/Loopco Single-Loop Turret Head™ Coil Slitting & Packaging Line in its Indianapolis, IN coil processing facility. The new Slitting Line processes 60,000# x 72" wide cold rolled and galvanized carbon steel and aluminum alloy coils in gauges from .015" through 1/4" at processing speeds to 1,000 FPM. The new high-production quick-change Turret Head™ Slitting Line is installed adjacent to a Braner/Loopco 72" Computer Controlled Hydraulic Leveler-Electronic Servo Feed Precision Cut-to-Length Line, and expands Lafayette Steel's capacity to service its customers with just-in-time delivery of high-quality close-tolerance slit coil throughout a wide gauge and mechanical property range.



60,000# x 72" x 1/4" Single-Loop Turret Head™ Slitting Line

The 72" Slitting Line is equipped with Coil Storage Turnstiles, Entry and Exit Coil Cars, Crop Shears, PVC Film Applicator, a 150 HP quick-change Turret Head™ Slitter, quick-change Strip Tensioner, a 250 HP x 2-ratio Recoiler, and an Automatic Turret Stacker Slit Coil Packaging System.



Coil Loading Car is equipped with a unique "wireless" control that allows the operator excellent mobility while maintaining a safe distance from the Car and the coil.

**Compact Hi Pass Line:** The Lafayette Steel Slitting Line is an example of Braner/Loopco's high-production compact high pass line system that positions the Uncoiler and Recoiler at floor level while the equipment between is elevated to match the largest coil OD. High pass line eliminates reverse-bending of the strip against the natural coil-set as the coil is threaded and processed. Because the strip is never reverse bent by force, strip threading is extremely fast and coil-breaks generated by reverse strip bending are eliminated. High pass line design eliminates strip surface scuffing and scratching damage because strip deflector rolls are located under the strip and do not contact the strip surface while running. With a compact 44' Uncoiler to Recoiler centerline dimension, Lafayette's slitting line offers quick and efficient coil threading and superb coil tracking and coil side-wall build-up while occupying minimal floor space.



Coils are processed with no reverse strip bending against the natural coil-set, which eliminates equipment induced coil-breaks. Hi pass line also provides excellent strip tracking and preserves floor space

**Entry Coil Prep Station:** The Coil Peeler, Pinch Rolls, Automatic Edge Guide, Side Guides, PVC Film Applicator, and Crop Shear are installed on a common base immediately ahead of the Turret Head™ Slitter and close to the Uncoiler. The unique Coil Prep Station design makes heavy and thin gauge coil threading quick and easy while providing excellent coil tracking at high processing speeds. Laser beam aided Uncoiler master coil alignment and electronic Side Guide position readouts reduce coil loading and threading time.



Entry Coil Prep Station combines entry coil threading and guiding equipment into a single compact machine that speeds coil threading and improves strip tracking

**Turret Head™ Slitter:** A 9" arbor x 150 HP 2-head quick-change Turret Head™ Slitter produces precise tolerance slit strips with minimum burr throughout the entire range of gauges and mechanical properties. Turret Slitter arbors are supported in precision machine tool quality bearings mounted in massive one-piece stress-relieved and precision ground solid steel housings that weigh nearly a ton. The rotatable Turret housing is mounted on a 300,000# capacity ring bearing, and the hydraulic cylinder positioned outboard arbor housing rides on zero-maintenance precision machine tool bearing slides. Large aluminum-bronze blocks secure the vertically adjustable upper arbor bearing boxes and allow "zero" axial arbor movement. Huge upper arbor bearing boxes are vertically positioned by motorized anti-backlash screw jacks with electronic encoder digital position readouts that allow fast and precise vertical knife clearance adjustment. Because the exchangeable Slitter heads are never detached, shuttled, or disassembled, the Turret Head™ design is more rigid and precise than any other multi-head Slitter design. In addition, access to the set-up arbors is free and clear with no obstructions so re-tooling is accomplished faster than with any other slitter. A Turret Head™ Slitter exchanges heads in less than 2-minutes.





*Turret Head™ Slitters set-up faster, change heads faster, and occupy less floor space than any other Slitter design.*



*Turret Head™ Slitters can be re-tooled faster with less fatigue than with any other quick change slitter because no base or frames impede access to the arbors*

**Scrap Handling:** A pair of Scrap Winders, one on each side of the looping pit, efficiently handles scrap side trim. The rugged Winders are easy to thread, operate efficiently throughout the .015" through 1/4" gauge range, unload the scrap bundle by pushbutton, and offer bullet-proof reliability.

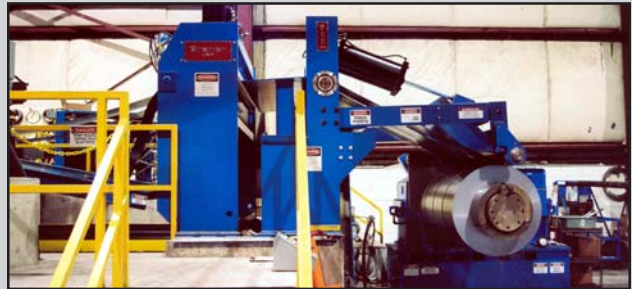


*Pair of rugged Winders offer bullet-proof reliability with virtually zero maintenance cost*

**Exit End:** The Lafayette Steel Slitting Line is equipped with a Tensioner that generates strip tension required to wind tight straight-wall slit coils. Strip tension is adjustable and regulated from the main operator console. Entry strip separator tooling is secured on a lightweight aluminum alloy arbors that exchange with pre-tooled arbors in 60-seconds. Tension Pads are also exchanged in 60-seconds. The Overarm Separator is rigidly mounted onto the Exit Unit frame to eliminate Overarm frame deflection and resulting misalignment that causes coil side-wall scuffing and coil oscillation. A quick-change "swing-out" Overarm arbor allows pre-tooled arbors to be exchanged in 2-minutes. A Hydraulic Threading Funnel directs slit strips from the Exit Pass Line Roll into the Recoiler gripper bar during threading.



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*Exit end equipment generates strip tension, rigidly supports the Overarm Separator and Threading Funnel, and provides strip tracking to the Recoiler.*



*Compact Hi Pass Line provides superb slit strip tracking regardless of strip width, gauge, and number of cuts.*

**Recoiler:** A 250-HP 2-ratio Recoiler is equipped with a massive Recoiler drum manufactured from custom forged 2" thick segments hardened to Rc 58. A 3" diameter solid steel gripper bar grips slit strips against a heat-treated serrated steel anvil. The Recoiler drum is mounted on the 14" diameter output shaft of a 250-HP 1.2 service factor parallel shaft helical gear reducer.



*Massive 250-HP 2-ratio Recoiler has a 14" diameter main shaft and a full-face ground surface coil pushoff*



*Unique swing-out Overarm arbor allows pre-tooled Overarm arbor exchange to be accomplished in minutes.*

Quality, Productivity, Bullet-Proof Reliability, know-how from building nearly 600 Slitting Lines, plus outstanding technical support made Lafayette Steel Sales' selection of a Braner/Loopco Turret Head™ Slitting Line over all others a "no-brainer".



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