

NEWS RELEASE

Magic Steel Installs Its 4th Turret Head™ Slitting Line

Decatur, AL – Magic Steel, a multiple location metals distributor and coil processor, has installed a 60,000# x 72” high-performance Double-Loop Turret Head™ Slitting Line in its new coil processing center in Decatur, AL. The new line is Magic Steel’s 4th Turret Head™ Slitting Line.



The new Magic Steel Slitter has 750 HP available for processing 60,000# bare, galvanized, and pre-painted coils in widths to 72” at slitting speeds to 1,000 FPM. Coil gauge capacity ranges from 0.009” minimum through 0.135” maximum.



The high pass line system configuration allows Magic Steel to process coils without forcing the strip to bend against the natural coil set. The result is quick and easy coil threading, elimination of reverse-bend coil-breaks, and elimination of strip surface damage from roll scuffing. The configuration conserves floor space and provides for superb coil tracking at both entry and exit ends, which results in superior slit coil quality. A non-contact hydraulic servo Edge Guide automatically guides and aligns the coil edge into the Slitter at all line speeds. Pushbutton adjustable Roller Guides with electronic position readouts make coil threading and tail-out fast and effortless. A Hydraulic Guillotine Shear crops coil heads and tails and collects the scrap in a Scrap Car for quick disposal.



Surface-critical coil is efficiently processed in a “Double-Loop” slitting mode wherein a variable speed motor driven loop-control Uncoiler drives the strip into an “above-the-floor” free-loop, allowing for precise tension-free thin gauge slitting. Tension-free slitting can achieve closer slit width tolerances while eliminating tooling induced strip surface scuffing. In addition to the Double-Loop mode, a “Single-Loop” and two (2) “Tight-Line” operating modes are available for slitting medium and heavier gauge high-strength coil.



A precision quick-change Turret Head™ Slitter produces precise width tolerance slit strips with minimum burr throughout the entire range of gauges and mechanical properties. Two (2) quick-change heads allow Magic Steel to conduct an efficient just-in-time production program and respond quickly to customer demands.



Magic Steel’s Turret Head™ is equipped with two (2) slitter heads supported in massive precision machined solid steel bearing housings. The slitter heads at the “set-up” station are completely

exposed and easily accessible with no housings, bases, or structures to impede tooling removal and installation. Free and clear arbor access and its quick-change ability gives Turret Head™ Slitter users the ability to make more set-ups and head changes per shift than with any other style multi-head slitter or tooling transfer design. In addition, Turret Head™ Slitters are equipped with multiple slitter heads that are not disassembled or uncoupled in order to change heads. The unique patented design makes Turret Head™ Slitters more rigid, more precise, and more reliable than any other slitter or tooling transfer device.



A Non-Marking Belt Tensioner and a Non-Marking “Duplex” Roll Tensioner combine to generate tightly wound straight-walled slit coils. The Belt Tensioner and Duplex Roll Tensioner can be engaged independently or in tandem. The patented Duplex Roll Tensioner is fitted with two (2) sets of tensioning rolls...one set for “wet” strip, and one set for “dry” strip. Switching from wet rolls to dry rolls is accomplished by pushbutton in a matter of minutes.



A view of the exit end of Magic Steel’s Slitting Line clearly illustrates the compact high-pass line system configuration.



Magic Steel’s Slitting Line can produce 20” and 24” ID slit coils. Patented “Speed-Load” Fillers allow Magic Steel to change from 20” to 24” ID (or vice-versa) in one-minute. The Overarm Separator hold-down frame is supported from the inboard and outboard ends to assure the Overarm tooling is square and parallel with the Recoiler drum, assuring straight-walled slit coils. The Overarm features a unique “side-adjust” to allow quick correction of misalignment that might affect coil edge quality.



A skilled and dedicated crew operating high-quality high-performance equipment has made Magic Steel’s new Decatur, AL coil processing center a complete success.

Exceptional Performance, Bullet-Proof Reliability, plus know-how accumulated from building 600+ Slitting Lines made Magic Steel’s decision to install its 4th Braner/Loopco Turret Head™ Slitting Line a “no-brainer”.



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