

NEWS RELEASE

Steel Summit's 4th Turret Head™ Slitter in Nashville

LaVergne, TN – SteelSummit, a subsidiary of Sumitomo Corporation of America, has installed a high-performance Braner/Loopco Double-Loop Turret Head™ Slitting and Slit Coil Packaging Line featuring a Shape-Correction Cluster Leveler™ in its LaVergne, TN coil processing facility near Nashville. The Double-Loop Slitting Line joins three (3) other Braner/Loopco Single-Loop Turret Head™ Slitting Lines in SteelSummit's LaVergne, TN facility.



SteelSummit's latest high-performance slitting line employs 600 horsepower for processing surface-critical automotive coils weighing 70,000# in widths to 76" at slitting speeds to 1,000 FPM. Coil gauge capacity is from .012" minimum through .187".



The DC motor driven loop-control Uncoiler fitted with an Out-board Support drives the coil into a free-loop ahead of the slitter in the Double-Loop tension-free slitting mode. Tension-free slitting eliminates tooling induced strip surface scuffing, and generates tighter tolerance slit widths. Single-Loop and two (2) Tight-Line operating modes are employed for slitting medium and heavier gauge coil.



SteelSummit's Turret Head™ Slitter produces close-tolerance slit strips with minimum burr throughout the entire range of

gauges and mechanical properties. The unique Turret Head™ Slitter design allows for quick re-tooling and a 2-minute head change cycle. Reliability is bullet-proof.



The Turret Head™ Slitter is equipped with two (2) slitter heads supported in massive precision machined solid steel bearing housings. The rotatable Turret is supported on a precision anti-friction ring bearing, which assures precise arbor alignment and accomplishes effortless head changes in one-minute. The slitter heads at the "set-up" station are open and accessible with no housings, bases, or structures to obstruct tooling removal and installation. Free and clear access and quick-change ability gives Turret Head™ Slitter users the ability to make more set-ups and head changes per shift than with any other multi-head slitter or tooling transfer design. Turret Head™ Slitters are equipped with multiple "integral" slitter heads that do not detach and uncouple in order to change heads. The one-piece integral design makes Turret Head™ Slitters more rigid, more precise, and more reliable than any other slitter or tooling transfer design.



Strip tension required to produce tight straight-wall slit coils is generated by a Pad Tensioner and a Non-Marking Roll Tensioner. The Pad Tensioner is engaged when slitting non-critical coil, and the Roll Tensioner is employed for processing surface critical coil. The Pad and Roll Tensioners can be engaged independently or in tandem. A computer controlled Cluster Leveler™ corrects strip shape defects such as wavy-edge and center-buckle while rolling slit edge burr, allowing SteelSummit to produce a superb quality product for its customers. The Cluster Leveler™ has the capability of shape-correction throughout the entire .012"-.187" gauge range.



In order to maintain exceptional surface-critical quality standards, SteelSummit's Non-Marking Tensioner is equipped with quick-change tension roll cartridges that are employed for dedicated critical quality products



The 70,000# x 76" Recoiler is equipped with a 20" diameter rewind drum mounted on a 14" shaft and driven from a two-ratio parallel shaft helical gear reducer by a 300 HP motor. The Recoiler is equipped with an Outboard Support that eliminates shaft deflection and resulting Recoiler drum misalignment. The Overarm Separator is supported from the inboard and outboard ends in order to assure square and parallel slit coil guiding. An exit end Shear efficiently splits coil ODs without having to re-thread the line.



The Slitting Line can produce slit coils with 20" and 24" IDs. A patented Speed-Load Filler allows SteelSummit to change coil IDs in 2-minutes, a task that requires 15-20 minutes with older technology "bolt-on" style filler plates.



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Slit coils are quickly and efficiently packaged for shipment on a Slit Coil Packaging Line capable of handling 10,000# coils in widths from 1" through 24". An "Operatorless" Programmable Downender automatically retrieves coils from the 4-Arm Turnstile and deposits them onto a conveyor line. Coils are quickly radially strapped and forwarded to the stacking station where the slit coils are palletized and packaged for shipment.



Exceptional Performance and Bullet-Proof Reliability, made SteelSummit's decision to install its 4th Braner/Loopco Turret Head™ Slitter in its LaVergne, TN plant a "No-Brainer".



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