

# NEWS RELEASE

## AMS Installs Coiltech Automatic Slit Coil Packaging Line

Melrose Park, IL – AMS Metal Slitting, a quality toll coil-processing center located in a western suburb of Chicago, has installed a new high-production Automatic Slit Coil Packaging Line to efficiently package slit coils produced by its large slitting lines. The Packaging Line, designed to automatically handle slit coils weighing up to 20,000 lbs. and up to 84" diameter, was custom engineered to allow two large slitting lines to discharge coils directly onto a power conveyor system feeding into a Power Strapping Machine and an Automatic Coil Stacker. The new system was designed and manufactured by Coiltech Corporation, Schiller Park, IL.



Slit coils produced by the pair of slitting lines are discharged onto Turnstiles, which in turn are unloaded by a pair of Slit Coil Downenders. Each Downender is capable of handling slit coils from 1" to 24" wide. The line attendant enters the slit coil complement data into the Downender controller. Once programmed, the Downender travels out to the Turnstile arm, extends its coil arbor to the width of that particular slit coil, lifts the coil off the Turnstile arm, returns to the starting position with the coil, downends the coil onto powered rollers in the eye axis vertical position, discharges the coil, and once the coil is clear, returns to the Turnstile to retrieve the next coil. The coil retrieval cycle is completely automatic and operatorless.

The separated and downended slit coils are automatically advanced to the semi-automatic Slit Coil Strapping Machine where multiple  $\frac{3}{4}$ " steel strapping is radially applied to the coil. Coils are manipulated for strapping by three powered conical rolls. An M20 Signode strapping head mounted in

a parallelogram balance frame applies strapping in a semi-automatic manner.



*Programmable Downender*

After strapping is applied to the coil, it is advanced into the Automatic Coil Stacker where the coil is centered, gripped by the Stacker's hydraulic coil grab, and transported and stacked onto a pallet positioned on a six station Turntable. The Stacker secures the coil by both ID and OD, lifts the coil off the centering table, transports the coil to the stacking position, then gently deposits the coil onto a pallet or coil package.



*Semi-automatic Strapping Machine*

The coil stacking cycle is fast, but gentle enough that "spacer" sticks placed onto the coil at the Strapping Machine are not disturbed or displaced. Coils are stacked directly onto the preceding coil, generating a straight and neat coil package.



*ID-OD Coil Grab*



*Electronic Weigh Station*



*Coils Neatly Stacked onto Pallet*



*Finished Package Awaiting Removal*

A six station color-coded Turntable allows AMS to quickly segregate coils for various customers onto the appropriate shipping package. The Turntable indexes CW and CCW, taking the shortest path to present the appropriate station at the Stacker. When a coil package is completed, it is discharged from the Turntable onto an electronic Weigh Station, where the package is weighed for shipment.

After recording the package weight, the coil package is advanced to a powered Pallet Banding Station, where the package is quickly manipulated for coil-to-pallet strapping and final package wrapping.

Stan Szaflarski, President of AMS Metal Slitting, reports, *"We are pleased with the performance of our new Coiltech Automatic Coil Packaging Line. It has improved our operating efficiency and allows us to produce more products with no additional labor. The slit coil packages we generate from the Coiltech Packaging Line are nothing less than first class."*



*Automatic Stacker & Turntable*



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