



## COIL HANDLING SYSTEMS FOR SMOOTH HANDLING OF DENSE LAID OR ORBITAL COILS

The non-ferrous coil handling system consists of individual conveyor modules that form unique inline or recirculating coil handling solutions.

At the rod coiling station, a hydraulically actuated elevator raises empty pallets to a predetermined height under the rod coiler to allow formed rod rings to accumulate until a full coil is made. During transition to a new coil, collection arms hold new coil rings until the full coil leaves the coil station.

Various building blocks of the coil handling system include:

- Empty pallet load stations
- Pallet de-stackers
- Empty pallet tare weigh stations
- Rod coil station with hydraulically actuated elevators
- Gross weigh stations
- Hold stations
- Compacting stations, with optional automatic strapping
- Stretch wrap conveyors
- Unload conveyors
- Rotary conveyors

### FIELD OF APPLICATION

Non-ferrous long rolling mills

### MAIN BENEFITS

- Facilitates handling of dense laid or orbital coils produced directly onto pallets or into collection baskets
- Places empty pallets onto pallet load conveyor via lift truck, pallet de-stacker equipment or by hand
- Eliminates additional downstream coil handling process steps with inline tare and gross weighing modules
- Standard combinations of roller modules or custom configuration options and accessory equipment available
- Allows maximum shipping container and/or storage space utilization with inline manual or automatic coil compaction and strapping equipment
- Reduces manual intervention and increases coil handling buffer times with rotary conveyors to create recirculating systems
- Creates custom coil weights with interlocked mill controls



Pallet de-stacker



Automatic compactor/strapping

### PRODUCT FEATURES

- AC gear motor-driven roller modules
- Hydraulically actuated elevator
- Designed for wooden or steel slave pallet
- Pallet stops for pallet and coil positioning
- Heavy duty fabrications
- Safety guarding and light curtain lockout system
- Coil weighing and tagging
- Interlocked with mill controls

### TECHNICAL DATA

<b>Production rates</b>	48 tph
<b>Maximum coil weight</b>	10 tons
<b>Product sizes</b>	8.0 - 25.0 mm
<b>Grades</b>	Cu & Al EC & Alloys
<b>Coil Sizes</b>	Variable



Turntable conveyors

### SERVICES

- Integration engineering - customized solutions
- Erection advising - planning and supervision of installation to minimize disturbance of operations
- Commissioning - expertise provided for start-up and training on system operation
- Maintenance - system designed for long life
- Spare parts - customized program minimizes inventory and controls cash flow

### OTHER RELATED PRODUCTS

- Entry shear and table
- Rolling mill stands
- Hydraulic roll mounting
- Rolling mill lubrication systems
- Coil forming equipment
- Coil handling solutions
- Dual reel coiler and automatic unloader

**Primetals Technologies USA LLC**  
 A joint venture of Siemens,  
 Mitsubishi Heavy Industries and Partners

50 Prescott Street | Worcester, MA 01605 | USA

[primetals.com](http://primetals.com)

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