



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

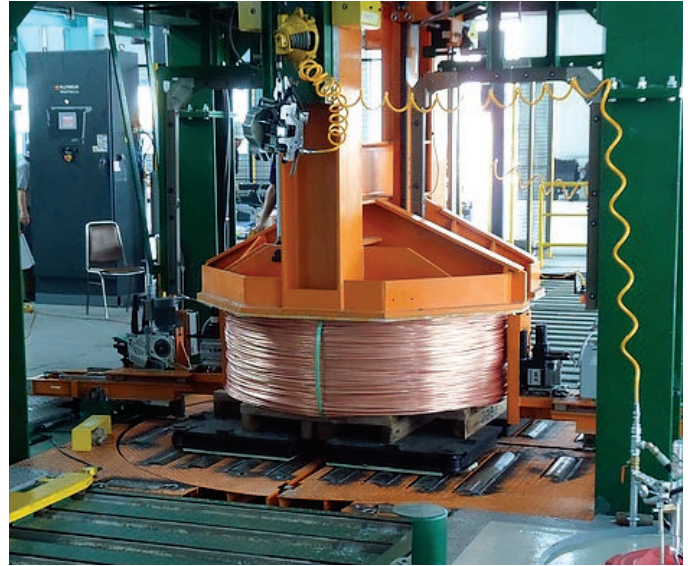
Non-ferrous long rolling mills

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

Production rates	48 tph
Maximum coil weight	10 tons
Product sizes	8.0 - 25.0 mm
Grades	Cu & Al EC & Alloys
Coil Sizes	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 Mitsubishi Heavy Industries and partners

40 Crescent Street | Worcester, MA 01605 | USA

primetals.com

Order No. T06-O-N523-L4-P-V2-EN
Printed in USA | © 03.2020

The information (including, e.g., figures and numbers) provided in this document contains merely general descriptions or characteristics of performance based on estimates and assumptions which have not been verified. It is no representation, does not constitute and/or evidence a contract or an offer to enter into a contract to any extent and is not binding upon the parties. Any obligation to provide and/or demonstrate respective characteristics shall only exist if expressly agreed in the terms of the contract. These estimates and assumptions have to be analyzed on a case-to-case basis and might change as a result of further product development. Primetals Technologies excludes any liability whatsoever under or in connection with any provided information, estimates and assumptions. The provided information, estimates and assumptions shall be without prejudice to any possible future offer and/or contract. Any use of information provided by Primetals Technologies to the recipient shall be subject to applicable confidentiality obligations and for the own convenience of and of the sole risk of the recipient.