

**Automatic and Customized
Packaging and Handling Systems**

**Specialized Solutions for
Specific Product Categories**



IIP-Pacmachine-2012 winner
**“New Generation Coil
 Packaging Line”**
(Color Coated Coil)



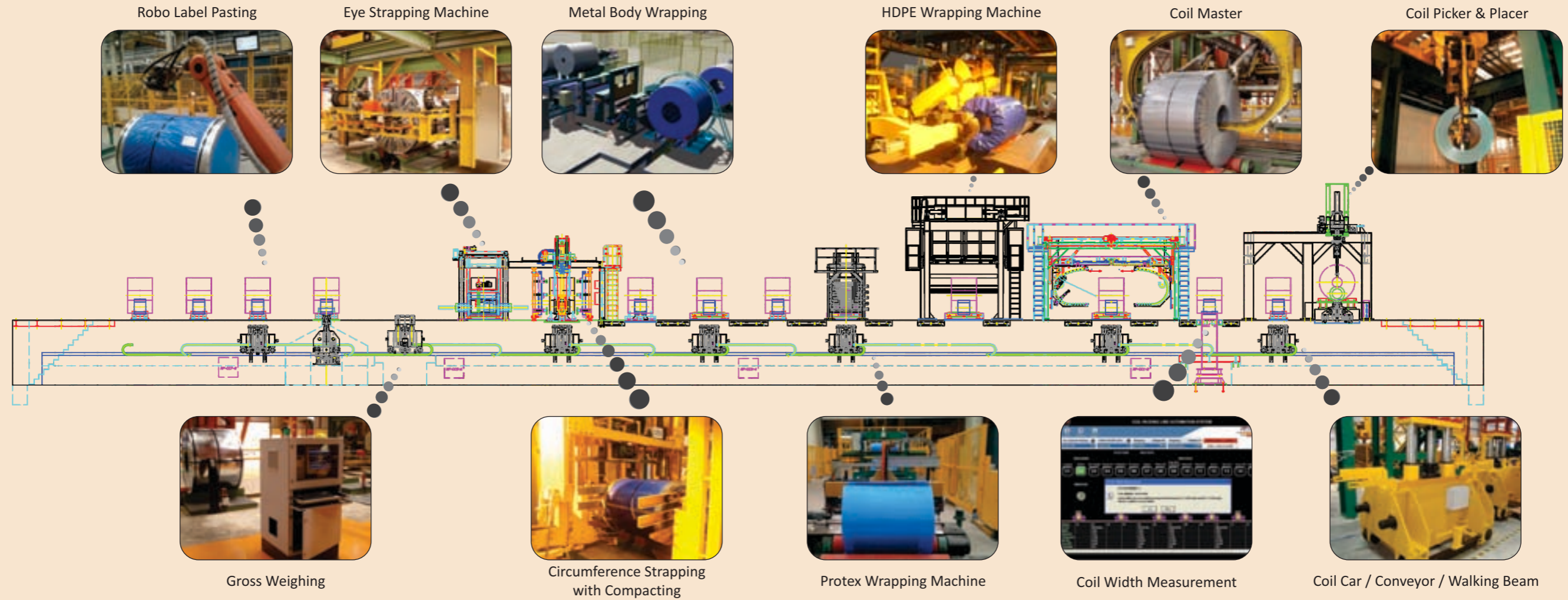
Coil Packaging Line
**“Automatic Tracking & Packaging
 from Bare Coil
 to Packed Coil”**

**Bar Rod Bundling
 and
 Packaging Automation**
**“Right from Cold Shear to
 Rail Wagon Loading”**



Slit Coil Packaging Line
**“Robotics Stacking and
 Vacuum Pallet Packaging”**

Wide Width Coil Packaging System



Scope of Automation

- Bare coils loading by cranes
- Coil width measuring and centering
- Net weighing and Plastic ID application
- OD measuring
- Eye wrapping along with OD Edge Protector
- ID sleeve application
- Automatic body wrapping (HDPE / VCI paper/flute board)
- Coil axial wrapping
- Coil OD metal jacketing
- Side disc application
- Metal ID application
- Metal OD application
- Compacting with Circumferential Strapping
- Eye strapping
- Gross weighing
- Robotic label applicator
- Coils transferred within coil packaging line by coil car / Conveyor / Walking Beam
- Coils picked by yard management system cranes

Benefits

- Suitable for 15-20 coils per hour
- 5 Operators for the entire system
- Weather-proof Packing
- Dust protection
- Corrosion resistance
- No relative movement - hence no scratches
- Online weight and label generation
- Branding
- Integration with ERP or Level-2 or Yard Management System

Our Installations at...

- TISCO
- Bluescope
- ESSAR
- JSW
- SAIL
- TERNIUM
- WEIQIAO

Wide Width Coil Packaging System (Semi Automatic)



Scope of Automation

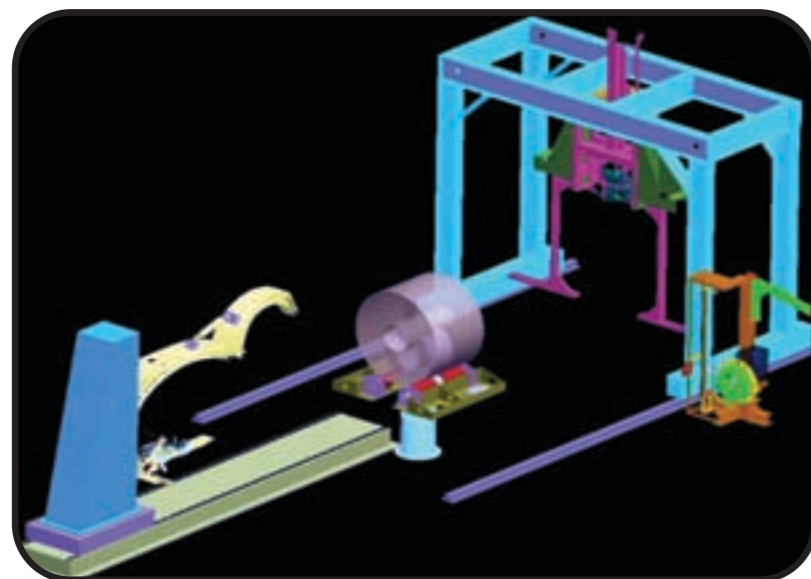
- Bare coil loaded by EOT
- Manual application of OD and ID
- Eye wrapping
- Manual metal jacketing and Edge Protector placement
- Strapping
- Labeling
- Coil removal from station by EOT

Benefits

- Suitable for 5 to 7 coils per hour
- 2 operators for the entire system
- Low cost solution
- Safety
- Compact

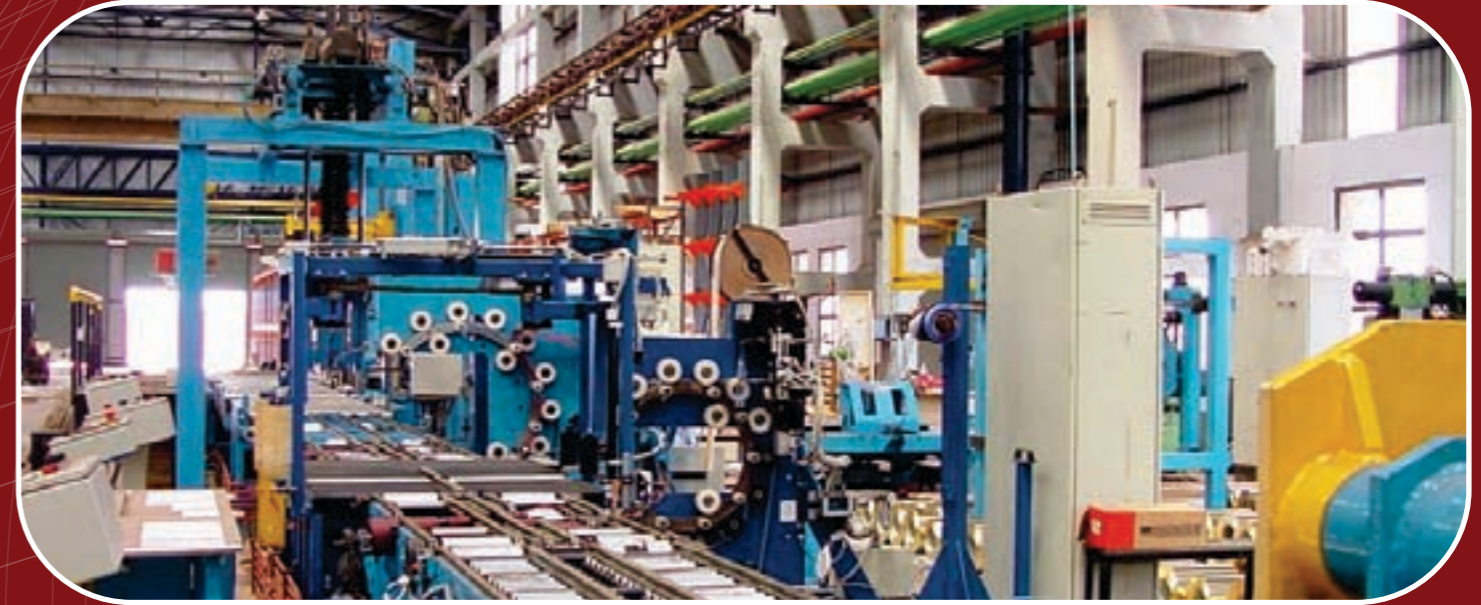
Our Installations at...

- TISCO
- STEEL TECHNOLOGY
- TCIL
- ALCOA LANCASTER



Patent Pending

Slit Coil Packaging System



Scope of Automation

- Input from capstan arm
- Up-ender with coil car
- Net weighing
- Automatic eye strapping with indexing table
- Eye wrapping with indexing table
- Buffer station
- Empty pallet feeding
- Automatic stacking
- Stacked coil wrapping
- Automatic pallet strapping
- Label application on pallet
- Pallet accumulation

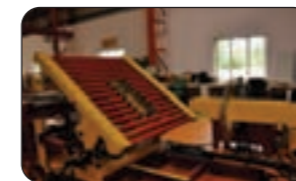
Benefits

- Suitable for the speed of 15-70 coils per hour
- Moisture and dust protection
- Higher throughput
- Optimum cost of packing consumables
- No relative movement - hence no scratches
- Online data on weight and product, label generation
- Branding and Pallet Vacuum sealing
- Minimal manpower
- Integration with ERP or Level-2 or Yard Management System

Our Installations at...

- JSSL
- TKES
- Meta Strips

Capstan Arm and Coil Tilter



Eye Wrapping



Robotic Stacking



Vacuum Sealing

