Electric and Automation
for all ANDRITZ METALS products

ANDRITZ METALS Automation offers its products and services for carbon steel, stainless steel, and non-ferrous metals.

Strip processing
- Push-pull pickling lines
- Continuous pickling lines
- Cold annealing and pickling lines
- Hot annealing and pickling lines
- Bright annealing lines
- Hot dip galvanizing lines
- Electrolytic galvanizing lines
- Continuous annealing lines
- Continuous colour coating lines

Rolling mills
- Cold reversing mills
  (2, 4, 6, 8, 10-high)
- Temper, skin pass, and tandem mills
- Roll grinder
- Shape tronic systems (shape meter)

Acid regeneration
- Regeneration plants (HCl, mixed acid)
- Denox / Waste water treatment plants

Automotive
- Punching, metals forming presses
- Welding machines

Finishing
- Tension leveling lines
- Coil preparation lines
- Slitting / Cut-to-length lines
- Polishing / Grinding lines
- Chemical treatment, passivation lines
- Heat treatment lines
- Leveling lines
- (Electrolytic) Cleaning / Degreasing lines

Thermo processing
- Heating / Annealing furnaces
- Stationary and tilting bath melting furnaces
- Stationary and tilting shaft-bath melting furnaces
- Rotary drum-type furnaces
- Horizontal furnaces
- Vertical muffle type furnaces

Modernization
- Revamps, upgrades, optimizations
- Life cycle service

ANDRITZ AG
1120 Vienna, Austria
Phone: +43 50805 0
metals.at@andritz.com
www.andritz.com

© ANDRITZ AG 2014. All rights reserved. No part of this copyrighted work may be reproduced, modified or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is in violation of the relevant copyright laws.
About us
ANDRITZ METALS Automation supplies complete electrical equipment and process automation for the metal industry. This industrial sector is facing continuously rising demands which can only be met by implementing sophisticated and cost-effective technical solutions. This objective has been achieved by introducing flexible and application-oriented automation technology together with standardized modern hardware and software systems. Precise and comprehensive knowledge of the line and process technology combined with many years of practical experience have resulted in ingenious solutions enabling our customers to produce top level products in terms of quality and productivity.

Sphere of our activities

Engineering
- Functional specification
- Basic and detail design
- Software development

Consulting
- Feasibility studies
- Inquiries
- Project management

We know how to release full potential of your plant!

Manufacturing
- Procurement
- Electrical cabinet manufacturing and functional testing

Service
- Installation, commissioning
- Training
- Life cycle services

Automation engineering
- Installation hardware engineering (CAE systems, data-base-oriented systems)
- Process instrumentation – key equipment in critical, technological processes
- Control systems – PLC, DCS, CNC – application programming
- Drives systems (single/sectional)
- HMI-systems – Siemens, Wonderware, Rockwell, ABB, Yokogawa, etc.
- Process computer systems – MES – mathematical modelling
- Advanced process control
- Simulation applications – process simulation
- Special systems – flatness, mill control, etc.

Equipment (supply)
- High/medium/low voltage equipment and distribution
- Drives systems
- PCC/MCC
- Instrumentation and sensors for process and terminal equipment
- Automation systems – PLC, DCS, CNC, HMI
- Modelling of process computer systems
- ITIV, intercom, lighting, etc.

Products
- Technological control systems (TCS) for ANDRITZ products
- Level 2 system – process optimization

Rolling mills
- POS Process optimization system
- PSM Pass schedule memory
- SPC Statistical process control
- MMS Mill management system
- ASC Automatic shape control
- RSMS Roll shop management system

Processing lines
- Primary data handling
- Material handling
- Setup calculation
- Material-/segment tracking
- Report management
- Archiving

Mathematical models for carbon and stainless steel processes
(ANDRITZ Line Master)
- ALM-CP: Carbon steel pickling
- ALM-FS: Carbon steel annealing
- ALM-OMS: Line optimization stainless steel
- ALM-CurrID: Advanced control electrolytic process
- ALM-SP: Stainless steel pickling
- ALM-FT: Stainless steel annealing
- ALM-ELS: Advanced coating control
- ALM-PP: Production planning

Screwdown system CRM
HMI processing line
4-high CRM
Automation cubicle
Mathematical models for carbon and stainless steel processes
(ANDRITZ Line Master)