

PROCESS LINES STEERING CONTROL



Integrated Mill Systems, Inc.

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The integration of the IMS guiding system provides a more stable platform for controlling guiding applications in strip propulsion and tracking of your process line. PLC based guiding controls compensate for the negative/ positive guiding data generated by strip camber, time lag, and slow response. The Touchscreen displays data graphically allowing for operator control ease. Networked LAN also allows for centralized operator control of any guide from anywhere on the line.

SERVICES

Site Inspection of All Units, Design Specification, System Programming
Preliminary Testing, Drafting and Assembly, Factory Acceptance Test

Control System Equipment

- Compact Logix PLC
- Panel View Plus Compact HMI (w/ Touch Screen)
- Roll Position Sensor with Protective Housing

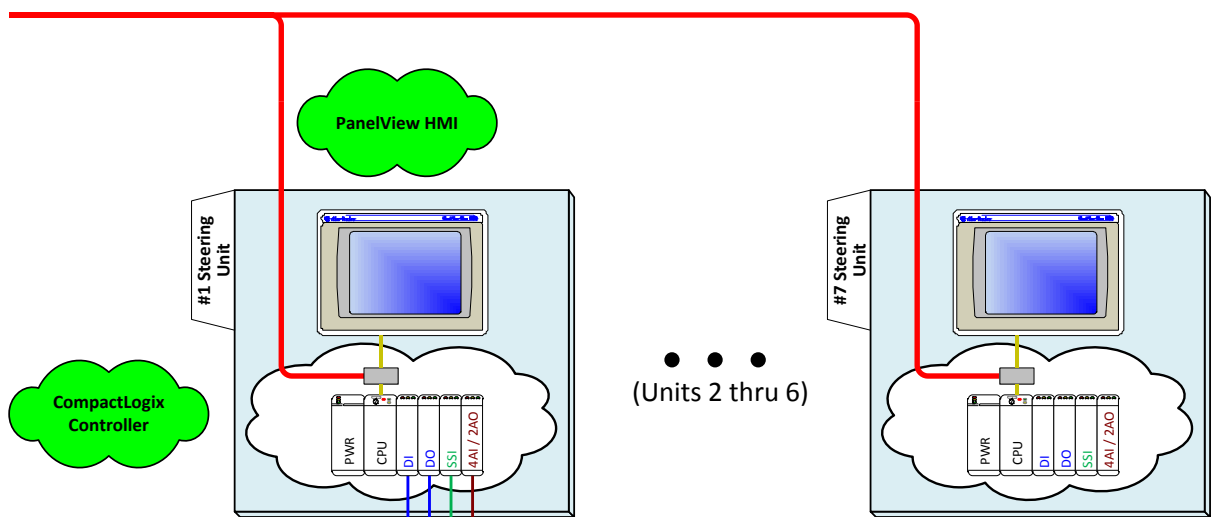


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New Controls Integrated with Existing Line Control and HMI



To Pickle Line Control Network



- Digital Inputs:**
 - Strip Position Sensor OK
 - Strip Steering O/T Photo-Eyes (Slowdown/Stop)
- Digital Outputs:**
 - Steering Roll Extend/Retract Solenoid Valves
 - Blocking Solenoid Valve
- Synchronous-Serial Interface (SSI):**
 - Roll Position Feedback

- Fast Analog Inputs:**
 - Strip Position
 - Servo-Proportional Valve Spool Feedback
- Fast Analog Outputs:**
 - Servo-Proportional Valve Reference

New Valve Stand and Servo-Proportional Valve

New Roll Position Sensor (Temposonics) with Protective Housing

Note:

Automatic control of the steering unit is made up of two separate, nested automatic control loops; An outer-loop steering unit "strip position" control, and an inner-loop steering unit "roll position" control.