

ADVANCED PLC CONTROLS

SIMULATION AND AUTOMATION TO GET YOU UP AND RUNNING FAST.

COE's new advanced PLC Controls are designed to maximize your productivity even before the start of production. New loop and press simulation capabilities allow us to test, debug, and perform a complete startup on our floor prior to shipping. This ensures equipment performance for your materials, as well as decreasing setup time at your facility by half or more. Plus, our new user-friendly HMI logically guides operators through the setup process with COE's Work Roll Advisor and Feed Roll Advisor software embedded into the system, helping to save time on setup and changeover.

New features include:

- **Loop Simulation** - emulates material to see how the straightener reacts to changes from the feed
- **Press Simulation** - simulates press with SPM changes, feed angles, pilot, start feed, press at the bottom, etc. to ensure the system meets requirements
- **On the Fly** - this automatically changes the feed rate to adapt to the press speed
- **Direct Speed Enable** - straightener automatically hits target speed at the first stroke
- **Work Roll Simulation** - visual guide to help operators see what's happening inside the straightener
- **Work Roll Advisor** - automates straightener setup
- **Feed Advisor** - automates feed setup
- **Smart Speed** - automatically adjusts to optimal line speed based on press speed and feed window (requires ethernet connection with press)
- **Ethernet Diagnostics** - allows operators to see in real time any connection failures between devices
- **Pictorial Main Menus** - operators can easily navigate to machine specific control screens by selecting an image of the machine they wish to operate



Full Line Status Screen

A new easy-to-understand graphic representation of the line enables the operator to simply touch the area of the line they want to navigate to.

Additional features:

- Redesigned user-friendly HMI
- 10" VGA touchscreen
- 100-job memory storage
- Password protected job editing
- Multi-language capability
- Multi-function diagnostic display
- Manual or automatic setting options

Benefits:

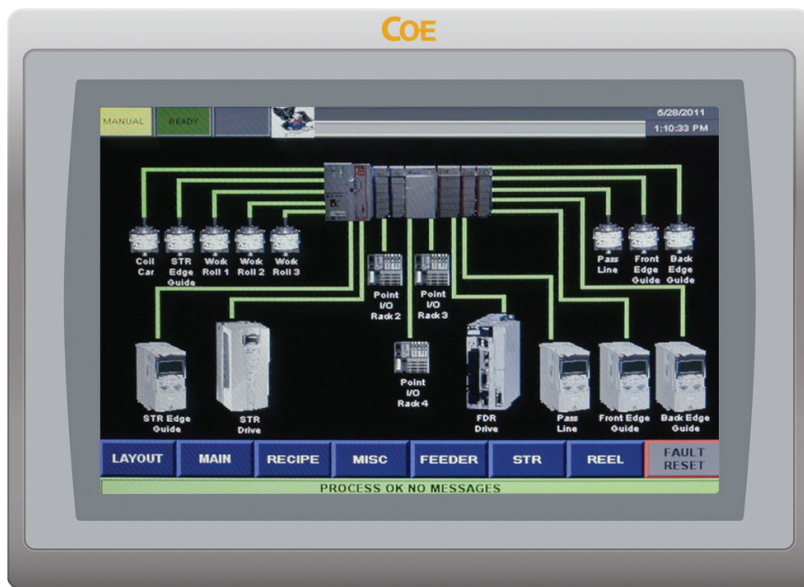
- Equipment operational capability proven by simulation
- Reduced launch time on the plant floor
- Reduced setup and changeover times
- Real-time diagnostics
- Material savings
- Ease of operation

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Work Roll Simulation Screen

In addition to digital displays, this visual provides operators a better understanding of what's happening inside the straightener.



Diagnostic Screen

This visual provides an overview of the entire ethernet communications from the PLC instead of having to walk over to the panel to see which drive is faulting. If there is an issue, problem areas turn red for easy trouble-shooting.

COE'S EXCLUSIVE 5-4-3 WARRANTY

All COE products are backed by the COE 5-4-3 Warranty - five year limited coverage on components manufactured by COE; four year limited coverage on mechanical components installed by COE; and three year coverage on the complete system.

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