

SYNCMaster Integrated Controls

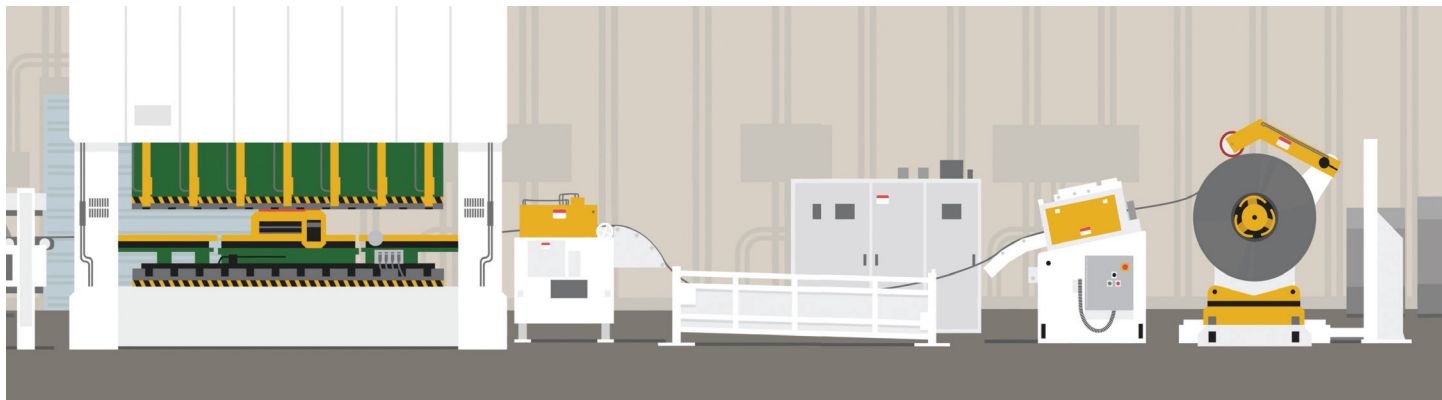


Economical and straightforward full-line automation

In today's competitive manufacturing environment, it's key to be as efficient as possible. COE's new SYNCMaster™ base controls package for integrated lines allows operators to manage both feed and straightener functions, setups and diagnostic reviews from a single, user-friendly touchscreen. SYNCMaster has been designed to provide the high functionality typically associated with full custom systems at a value price, including:

- Integration of coil feed system – servo feed, straightener and reel
- Mode control and jogging of straightener from feeder HMI
- Laser loop monitoring and control configurable from feeder HMI
- Thread table raise/lower from feeder HMI
- Line speed averaging to avoid stop/start of straightener
- Automatic lubrication control configurable from feeder HMI
- Automatic mandrel expansion configurable from HMI
- Drag brake setting by recipe
- Tight loop signaling to feeder
- Loop feed fault detection to stop straightener if feeder isn't running
- System E-stop control from feeder and straightener operating stations

← With SYNCMaster you can manage your press feeding line from one location →



SYNCMaster™

- **Coil Reel**
Various brake and mandrel options
- **Power Straightener**
Laser loop monitoring
- **Optional Threading or Knee Table**
Optional motorized machine axis
- **Straightener Enclosure**
AC Drive and PLC to control straightener and reel, and communicate with servo feed

- **Servo Feed**
Options for automated passline height, edge guides and feed roll pressure;
Feed angle optimization
- **Servo Feed Enclosure**
Servo drive and user-friendly touchscreen HMI to control feed and communicate via Ethernet with straightener

- 400-job setup memory
- Single selectable scale for feed lengths, passline height, and edge guides
- Batch counter and batch complete signal
- Automatic speed compensation, used to slow the feed down and more completely use the available feed window
- Fault display and fault history
- Password protected parameter settings
- Diagnostic display with IO signals and basic scope with velocity and current
- Remote job with hand-held pendant



At COE Press Equipment, we believe that there is always a better way. Our goal is to make your operations run smoothly and profitably. We apply our engineering knowledge, materials expertise, and industry experience to consistently develop solutions that address your manufacturing challenges and simplify your plant floor operations.

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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