



Toledo Integrated Systems

Toledo Transducers Inc.

Press Pilot 150

OSHA, ANSI & CSA Compliant Clutch / Brake Controller



The Press Pilot 150 is an OSHA, ANSI & CSA compliant clutch/brake controller. This dual processor clutch/brake package controls basic clutch/brake functions on part revolution mechanical stamping presses. This controller allows up to four (4) operator stations, has

six (6) modes of operation (off, inch, single, auto-single, continuous & COD), comes standard with a time-based brake monitor and can use a resolver or encoder for its press position input. It is available in a 120VAC or 24VDC (CE Compliant) input voltage. The Press Pilot 150 monitors clutch and counterbalance air pressure, protects against top stop overrun, and has motion and drift detection.

The Press Pilot 150 is an integrator friendly, cost-effective solution for a clutch/brake controller. It's small footprint and ability to use a resolver, in a master or slave mode, allows for maximum flexibility with existing systems. As an option, the Press Pilot 150 is able to communicate via Ethernet with Allen-Bradley ControlLogix or CompactLogix processors. This means the HMI, drive, PLC and clutch/brake controller can all communicate over Ethernet.



PRESS SAFETY

The Press Pilot 150, with its dual processor technology, is perfect for an inexpensive safety upgrade. It meets and/or exceeds OSHA, ANSI and CSA requirements for mechanical stamping presses.

PRESS POSITION

If you're upgrading your current control and need to keep costs down, the Press Pilot 150 can use a single turn resolver or encoder for its press position input.

HIGH SPEED

The Press Pilot 150 is capable of speeds up to 1500 SPM. With 4 speed compensation zones, the Press Pilot can make sure your press stops on top.

COUNTERS

Batch, stroke and lifetime counters come standard with the Press Pilot 150.

LIGHT CURTAINS

Light curtain interlocks are standard with the Press Pilot 150. We also offer a 'mute on upstroke' option which will bypass the light curtain inputs while the press is on the upstroke.



DIAGNOSTICS

Maintenance can easily view the status of any input on the Press Pilot by viewing the input diagnostics screens. These diagnostics screens can save time when troubleshooting.

HYDRAULIC OVERLOADS

Standard with the Press Pilot 150 is hydraulic overload control and monitoring. The overload settings can be configured for a high or low fault input or output.

PLS

Optional are two (2) programmable limit switch outputs. These PLS outputs are designed for functions such as feed initiate and pilot release.

AUXILIARY INPUTS

Immediate and top stop inputs allow integrators to easily add additional monitoring devices, such as feeders or transfer systems, to stop the press on top or immediately.

INTEGRATION

The Press Pilot 150 can be integrated with any of our other automation products (DPPlus, Co-Pilot or Maximizer) to give you total press control (TPC).

TECHNICAL SUPPORT

Toledo Integrated Systems can provide on-site technical support and turn-key installation.

Description	Specification
Dimensions	8" W x 10" H x 5.5" D
Input Voltage	120VAC or 24VDC
Communications	Binary (Ethernet Optional)
Position Input	Resolver (Master or Slave), Encoder or Cams
Speed Limits	1500 SPM

Description	Standard	Option
Dual processor w/watchdog circuit	✓	
Anti-tie down & repeat protection	✓	
Dual channel monitored E-stop circuit	✓	
Protected memory (each processor)	✓	
Time based brake monitor	✓	
90° brake monitor stop test	✓	
Off, inch, single & continuous modes	✓	
Auto-single & COD (continuous on demand) mode	✓	
Clutch & counterbalance air pressure monitoring	✓	
Clutch valve fault monitor input	✓	
Up to four (4) operator stations	✓	
Press position verified each cycle	✓	
Speed compensated top-stop	✓	
Top stop overrun protection	✓	
Uncommanded motion & drift detection	✓	
Counters (batch & stroke)	✓	
120 VAC or 24VDC E-stop circuit	✓	
Light curtain interlocks	✓	
Auxiliary immediate & top-stop inputs	✓	
Ethernet Communications		✓
Flush mount kit		✓
Light curtain (mute on upstroke)		✓
(2) PLS outputs		✓



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