

# Various Models of PressCommander Resolver Based Punch Press Controls

## PCS-05\*



Shown with Panel Mount  
Message Display

### The Board Only Commander Module

The redundant clutch/brake punch press control module with a remote panel mount message display (available in English or Spanish).



### Resolver Transducer

Shown with 30' connector cabling supplied standard

Touchscreen is optional for all models.

### Model PCS-05 includes:

- Master Board
- Slave Board
- Power Supply Board
- Diagnostic Message Display
- Connecting Cables
- Cover/Hardware
- Software (Master) microprocessor
- Software (Slave) microprocessor

## PCS-08\*



The redundant clutch/brake punch press control module with a remote panel mount message display (available in English or Spanish). Also included are all of the switches, legend plates, push buttons, and indicator lights for easy mounting into your existing control.

### Model PCS-08 includes:

- Master Board
- Slave Board
- Power Supply Board
- Diagnostic Message Display
- Connecting Cables
- Cover/Hardware
- Software (Master) microprocessor
- Software (Slave) microprocessor

### Push buttons & legend plates for:

- System start
- System stop
- Automatic continuous set-up

### Indicators & legend plates for:

- System on
- Ground fault
- Brake monitor
- Interrupted stroke provision



### Resolver Transducer

Shown with 30' connector cabling supplied standard

## PCS-10\*



Shown with Panel Mount  
Message Display

The compact Model PCS-10 is big in safety and automation control. The redundant clutch/brake punch press control module has a remote panel mount message display (available in English or Spanish).



### Resolver Transducer

Shown with 30' connector cabling supplied standard

### Model PCS-10 includes:

- Control reliable design (triple CPU redundancy)
- Diagnostic Message Display
- Fused transformer
- Control Module pre-wired to terminal strip
- Pressure clamp terminal strip
- Mounted on an 18" (457mm) x 18" (457mm) backplate
- Wiring diagram and complete installation instructions supplied
- Modes of operation off - inch - single - continuous
- Continuous ARM
- Top stop
- Anti-tie down and anti-repeat
- System start/stop functions
- SPM Range - 1 to 500
- Interrupted stroke provision with indicator

- Inch mode monitoring
- Control module provides anti-tie down and concurrency function for up to four sets of operator stations
- Light curtain mute-out on upstroke standard
- Clutch/brake module designed to fit into tight spaces.
- Printed circuit board dimensions; only 6.5" (165mm) x 5" (127mm) x 4" (102mm) including standoff.
- Control systems are captively designed, manufactured and supported.
- Self-contained plain English message display
- Self-diagnostic system
- The control module monitors the signals and circuits as specified by OSHA and ANSI standards.
- Control incorporates dual logic power supplies
- Two-year warranty on control modules and resolver

# Various Models of PressCommander

## Resolver Based Punch Press Controls

### PCS-20\*



Model PCS-20 encompasses all of the features and components of Model PCS-10 plus all of the switches, legend plates, push buttons, and indicator lights for easy mounting into your existing control.

**Model PCS-20 includes:**  
**Keyed selector switches and legend plates for:**

- Hand/foot mode
- Off/inch/single/continuous

**Push buttons and legend plates for:**

- System start
- System stop
- Automatic continuous set-up

**Indicators and legend plates for:**

- System on
- Ground fault
- Brake monitor
- Interrupted stroke provision



**Resolver Transducer**  
Shown with 30' connector cabling supplied standard

Touchscreen is optional for all models.

### PCS-2000\*



The Model PCS-2000 Control System is completely prewired and ready for installation. System supplied complete with a well marked terminal strip for easy, safe, and accurate electrical interface to the various punch press components. Due to the hybrid design characteristics, a main power disconnect switch and magnetic motor starter can be supplied in the same control panel.

Customer to specify operator control location (photo on the left displays operator controls on panel door).

Our ordering/proposal form will allow you to configure your system exactly how you want it.



**Resolver Transducer**  
Shown with 30' connector cabling supplied standard

**Model PCS-2000 includes:**

- NEMA 12 Enclosure
- System Start Guarded Push Button (Air and Power Interlock)
- System Stop Unguarded Push Button
- System On Indicator Light
- Plain English messages for status and system self-diagnostics
- Automatic Continuous Set Up Push Button - This prior action push button must be operated to set-up the press for continuous operation. Once depressed, the operator has a preset length of time in which to depress both palm buttons concurrently to initiate operation in the continuous mode.
- Time-Based Brake Monitor
- Ground Fault Detector - Oil tight push to test type wired to continuously monitor press grounding whenever control power is on.

- Continuous Arm Timer
- Fused Secondary Pressure Clamp Terminals
- Hand/Foot Mode Two position keyed selector for hand or foot mode initiation.
- Transformer To reduce voltage from 480/240VAC to 120VAC secondary. Consult factory for 208 or 550 volt system.
- Interrupted stroke provision
- Keyed Mode Selector Off-Inch-Single- Continuous Four position keyed lock selector switch for supervised selection of mode of operation of the press. When in the inch mode, the operator cannot hold or tie one run button down and use the other button to inch the press with one hand operation. Both buttons must be depressed concurrently. Microinching and Automatic External Trip optional.