

PressCommander Proposal/Ordering Guide

Resolver Based Controls (All Models/Styles)

Please complete the form on the next two pages and email it to the Pressroom Sales Department at sales@pressroomelectronics.com. You may also fax the form to (412) 262-1197. We also have an electronic version of this form available on our website www.pressroomelectronics.com.

Name _____	Email _____
Company _____	Punch Press Manufacturer _____
Address _____	Model # _____ Serial # _____
City _____	Shop # _____ Press Speed (SPM) _____
State _____ Zip _____	Voltage _____ Cycle _____ Phase _____
Phone _____	Fax _____

*All PressCommander Models include clutch/brake and integrated automation control capability, standard display, resolver and 30' (9.1m) of connector ended resolver cable.

PCS-05



*Components as stated above.

PCS-08



*Components plus switches, legend plates, indicators and push buttons.

PCS-10



*Components mounted on a blackplate. Prewired to terminal strip.

PCS-20



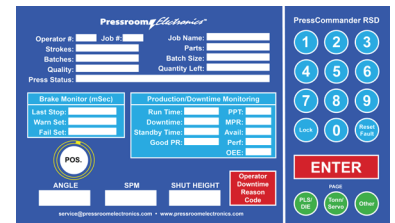
*Components mounted on a backplate and prewired to terminal strip. Includes all switches, legend plates, indicators and push buttons.

PCS-2000



*Components housed in a NEMA 12 (IP64) steel control panel. Prewired to terminal strip.

Optional Touchscreen Display



Replaces standard display in all PCS Models. Part #39-151.

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Resolver Based Controls with Standard Display (All Models/Styles)

1 to 500 SPM Press Speed

Qty.

 PCS-05 PCS-08 PCS-10 PCS-20 PCS-2000Specify Operator Control Location on Control Panel:
 Left End Panel Door Right End

Above 500 SPM Press Speed

Qty.

 PCS-05-OPTO PCS-08-OPTO PCS-10-OPTO PCS-20-OPTO PCS-2000-OPTOSpecify Operator Control Location on Control Panel:
 Left End Panel Door Right End

PCS-2000-SFP PressCommander Small Form Package

The PCS-2000-SFP comes in a 12" x 14" x 8" NEMA 12 Control box and is the same price as a base PCS-2000 unit. It is based on a standard PCS-2000 which comes in a 20" x 20" x 8" box (going up in size depending on options). The SFP does not come with the step-down transformer and is not for customers who require additional options (i.e. Starter(s), Disconnect, etc.). The SFP is for customers who already have a Panel for high voltage/high current equipment, and want the Controls to be closer to the operator.

NOTE: There is no cable length limitation between the SFP and the high voltage equipment control panel.

PCS-4000 (1 to 500 SPM Press Speed)

or PCS-4000-OPTO (Above 500 SPM Press Speed)

Specify Operator Control Location (for either model):

 Left End Panel Door Right End

Fused Main Power Disconnect - Refer to Main Power Disconnect Section

Mounted on control panel _____ AMP

Choose Style: IEC NEMA Part# _____

Main Motor Magnetic Motor Starter - Refer to Main Power Disconnect Section

Choose Style: IEC NEMAChoose: Rev Non-Rev

_____ HP _____ Full Load Amps Part# _____

Includes on/off push buttons and keyed selector switch forward/reverse when applicable.

Ram Adjust Magnetic Motor Starter - Refer to Main Power Disconnect Section

Choose Style: IEC NEMA

_____ HP _____ Full Load Amps Part# _____

Includes up/down push buttons and keyed selector switch forward/reverse when applicable.

Accessory Magnetic Motor Starter - Refer to Main Power Disconnect Section

Choose Style: IEC NEMAChoose: Rev Non-Rev

_____ HP _____ Full Load Amps Part# _____

Includes on/off push buttons and keyed selector switch forward/reverse when applicable.

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Resolver Based Controls with Standard Display (All Models/Styles)

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| <p>Qty.
<input type="checkbox"/> Micro-Inching Feature</p> <p><input type="checkbox"/> Automatic External Trip</p> <p><input type="checkbox"/> Continuous On Demand</p> <p><input type="checkbox"/> Light Curtain On/Off Key Switch
Supervisory controlled for maintenance or set-up.</p> <p><input type="checkbox"/> Multiple Operator Stations Control
Keyed selector switch on/off mounted on control panel to turn additional operator stations on/off.</p> <p><input type="checkbox"/> Bar Turnover Function
Permits manual rotation of the flywheel with the clutch engaged for die setting. Controlled by keyswitch on/off</p> <p><input type="checkbox"/> Open Space Inside Control Panel
For mounting additional customer supplied components.
Specify desired space:
_____ X _____</p> <p><input type="checkbox"/> Console Mounted Controls
Consult factory for specifics.</p> <p><input type="checkbox"/> Die Block Receptacle Outlet
Female receptacle for an electrical interlock on a die block.</p> <p><input type="checkbox"/> 110VAC Outlet
Panel mounted 110VAC outlet for powering lights, press auxiliary equipment etc.</p> <p><input type="checkbox"/> 220VAC Outlet
Panel mounted 220VAC outlet for powering lights, press auxiliary equipment etc.</p> <p><input type="checkbox"/> Shut Down Timer
Automatically shuts off the punch press when not in use. Length of time is customer adjustable.</p> <p><input type="checkbox"/> Hydraulic Overload
Press will stop when output opens, then allows the press to be moved in the inch mode with the input still open.</p> <p><input type="checkbox"/> Part# 30-012
24VDC @ 2.2 A power(90-26 VAC in)
3.9" Long x 3.8" Wide x 1.4" High (99 mm x 96 mm x 35.6 mm) for powering sensors, or other auxiliary devices.</p> | <p>Qty.
<input type="checkbox"/> Clutch-Brake Time Delay HUB Option
Provides the control with a separate relay for the CLUTCH and a separate relate for the BRAKE to allow for a time delay between each, and to be control reliable. Consists of the following:
(1) Safety HUB (Part# 53-448 running the Clutch-Brake program
(1) 24VDC Power Supply (Part#30-012)
(2) Safety Relays for HUB channel D (Part# 52-278)</p> <p><input type="checkbox"/> Peak Tonnage Monitoring (check option below)</p> <ul style="list-style-type: none"> <input type="checkbox"/> T1 - One channel monitoring with strain sensor and cable. <input type="checkbox"/> T2 - Two channel monitoring with strain sensors and cables. <input type="checkbox"/> T3 - Three channel monitoring with strain sensors and cables. <input type="checkbox"/> T4 - Four channel monitoring with strain sensors and cables. <p><input type="checkbox"/> Signature Tonnage Analysis Monitoring
Requires Touchscreen Part #39-151 (check option below)</p> <ul style="list-style-type: none"> <input type="checkbox"/> T1-S - One channel monitoring with strain sensor and cable. <input type="checkbox"/> T2-S - Two channel monitoring with strain sensors and cables. <input type="checkbox"/> T3-S - Three channel monitoring with strain sensors and cables. <input type="checkbox"/> T4-S - Four channel monitoring with strain sensors and cables. <p><input type="checkbox"/> Safety Light Curtain
Model SS Solid State Outputs Safety Light Curtain
Specify Size - 4" (101mm) to 64" (1625mm) guarded zone in 4" (101mm) increments.</p> <p><input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 24</p> <p><input type="checkbox"/> 28 <input type="checkbox"/> 32 <input type="checkbox"/> 36 <input type="checkbox"/> 40 <input type="checkbox"/> 44 <input type="checkbox"/> 48</p> <p><input type="checkbox"/> 52 <input type="checkbox"/> 56 <input type="checkbox"/> 60 <input type="checkbox"/> 64</p> <p><input type="checkbox"/> Shut Height Monitor
Requires interface board Part# 52-298
Choose a length below: A magnet and two mounting brackets are supplied standard with all linear sensors.
<u>Size</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> 4" - Part# 40-009 <input type="checkbox"/> 8" - Part# 40-010 <input type="checkbox"/> 12" - Part# 40-011 <input type="checkbox"/> 16" - Part# 40-012 <input type="checkbox"/> 24" - Part# 40-013 <p>Consult factory for longer lengths.</p> |
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Resolver Based Controls (For Standard Display models)

Additional Die Protection Inputs and PLS (programmable limit switch outputs) for all models.

- Expander Board #52-279**
Adds additional 6 Die inputs and 6 Dry relay contact outputs (At time of order) - Increases the Press Commander die protection from six (6) to twelve (12) station die protection. Also increases the PressCommander programmable limit switch capacity from six (6) to twelve (12) programmable limit switches with mechanical relay (dry) outputs.

- Expander power supply board #52-280 (At time of order)**
Power Supply Board that stacks under the PressCommander Expander Board (52-279) and is required to power the Expander Board functions.

Request Both Part Numbers (52-279 and 52-280) at time of order if expansion is desired.

For Models that utilize the Standard Display

- Remote Master Control Station**
(Free standing operator control station) PressCommander Standard Display Extender System. Moves all the switchgear and the standard display unit into a separate 12" x 14" x 8" box that can be placed closer to the operator. The control boards, optional starter(s), optional disconnect remain in a separate Control panel whose size is dictated by the size of the starter(s) & disconnect.
NOTE: Cables are available in 15', 25', 35', and 50' lengths. These cables should never be cut between the Remote Master Control Station and Control panel. 15' cable is supplied standard for the Standard Display remote mater control station.

- Extension Cables for Remote Master Control Stations located over 15' (4.5m) with Standard Display from control panel.**

- Part# 53-456 is a 25' Remote Standard Display Extender System
(when the Standard Display unit is located 25' from the PressCommander Board Stack)
- Part# 53-457 is a 35' Remote Standard Display Extender System
(when the Standard Display unit is located 35' from the PressCommander Board Stack)
- Part# 53-458 is a 50' Remote Standard Display Extender System
(when the Standard Display unit is located 50' from the PressCommander Board Stack)

- Part #35-111 Ethernet option for the PressCommander Standard Display**

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Resolver Based Controls (For Touchscreen Display models)

- Part# 39-151**
10.1" color touchscreen replaces the Standard PressCommander four line vacuum florescent display. Available for all PressCommander models. Includes Downtime and Production Monitoring System.

- Remote Master Control Station with 10.1" color touchscreen**
Moves all the switchgear and the touchscreen until into a separate 12" x 14" x 8" box that can be placed closer to the operator. The control boards, optional starter(s), optional disconnect remain in a separate control panel whose size is dictated by the size of the starter(s) and disconnect. This requires the Ethernet option to be installed on the Touchscreen.

- Part# 43-027 (Required)**
Ethernet cable to connect the Remote Master Control 10.1" color touchscreen to the control panel that contains the control boards, optional starters and disconnects.
Specify length needed in feet. _____

Touchscreen Downtime and Production Monitoring for Overall Equipment Effectiveness (OEE).

- Requires Touchscreen Part# 39-151**
20 Downtime Codes - Downtime codes are user programmable and customized to need. Downtime codes can be activated either by touching the appropriate touchscreen button **OR** Automatically via the machine circuit signal that induced the machine to stop. This capability provides an exceptional granular fault cause for machine operational analysis.
Production Monitoring is supplied standard with the Touchscreen.

If machine induced automatic signalling is desired to activate a specific downtime code (such as die protection, tonnage monitoring, shortfeed, misfeed etc.) One of the following input/output interface boards are required.

- Part# 52-320**
Provides the capability for six (6) downtime codes to be activated automatically by existing machine control electrics.
- Part# 52-321**
Provides the capability for sixteen (16) downtime codes to be activated automatically by existing machine control electrics.

*Note - Part# 52-320 and 52-321
Includes six (6) dry contact relays that can be used to signal stack lights, alarms etc.
Relay Ratings: 5A @ 250 VAC • 5A @ 30 VDC • Coil: 12 VDC

Additional Die Protection Inputs and PLS (programmable limit switch outputs) for all models.

- Expander Board #52-279**
Adds additional 6 Die inputs and 6 Dry relay contact outputs (At time of order) - Increases the Press Commander die protection from six (6) to twelve (12) station die protection. Also increases the PressCommander programmable limit switch capacity from six (6) to twelve (12) programmable limit switches with mechanical relay (dry) outputs.

- Expander power supply board #52-280 (At time of order)**
Power Supply Board that stacks under the PressCommander Expander Board (52-279) and is required to power the Expander Board functions.

Request Both Part Numbers (52-279 and 52-280) at time of order if expansion is desired.