

Press Control Systems

Compact PressMaster™—A MicroLogix™ Based Complete Mechanical Press Control Solution

Reduce operating costs and downtime with reliable and flexible MicroLogix press controls.

The Rockwell Automation Compact PressMaster System is a cost competitive, programmable controller-based system used for the control and monitoring of mechanical stamping presses. Reduce cost and risk by purchasing a complete system, pre-wired and tested, ready for installation. The system is designed to modernize your press controls, increase control system reliability, and reduce downtime by providing comprehensive operator diagnostics. Compact PressMaster provides press users, rebuilders, and OEMs a low cost PLC based control system to remain competitive and reduce risk.

System Description

The Compact PressMaster System an expandible press control system based on standard Rockwell Automation components available locally and supported worldwide. Compact PressMaster Systems provide press control, operator interface with comprehensive diagnostics, expandability, and motor controls in a single integrated package. The system is provided, ready to install, with a complete set of documentation.

The Compact PressMaster System is based on a Bulletin 6556 clutch/brake control with dual processors and software designed by Rockwell Automation to help customers comply with ANSI B11.1, OSHA 1910.217, CSAZ142-2002, and EN 954. Allen-Bradley motor controls and an Allen-Bradley PanelView 3" monochrome operator interface with key pad is included, to complete the system and provide maximum reliability.



Standard Features

- Safety Interlocks and Light Curtain Interface
- Clutch/Brake Safety Control with Inch, Single Stroke, Continuous, Modes of Operation, including a mode select key switch
- Main Motor Control, including a 25 Hp reversing motor starter and forward/stop/reverse push-button
- Lubrication Control, including a 1 Hp motor starter and lube verification
- 60 Amp/460V Lockable Power Disconnect
- Press Mountable, NEMA 12 Rated Industrial Enclosure
- Operator Fault and Prompt Messages, Alarm Status Operator Screen on a 3 inch PanelView Display
- One Industrial Brushless Absolute
- Brake Time Monitoring and 90 Degree Stop Test
- Interface for One Run Station with Anti-Tiedown Protection
- Press Stroking Anti-Repeat and Top Stop Overrun Protection
- Clutch/Brake and Counterbalance Air Pressure Monitoring
- User Immediate and Top Stop Control Interlocks
- 4 Programmable Limit Switch Outputs
- Production counters and maintenance timers

Optional Features

- Manual or automatic slide adjust
- 8 Channels of Die Protection
- 8 Programmable Limit Switch Outputs
- Hydraulic Overload Control
- Light Curtains with muting
- OEM packages
- Automatic counterbalance control
- Variable speed compensation
- 6 inch colour operator display terminal

Results

A Compact PressMaster System helps provide:

- Reduced downtime through advanced diagnostic messages, helpful operator prompts, and on-line control system troubleshooting.
- Improved system reliability through the use of standard Rockwell Automation industrial control hardware and software.
- Increased operational flexibility and expandability, while reducing costs and risk.
- Compliance with ANSI, OSHA, and CSA regulations.
- A press control that can grow with your stamping operations.

Ordering Information

Contact your local Rockwell Automation Sales office or distributor.

	Catalogue Number
Base System	6556-GCPM
Dual Absolute Encoder Option	6556-GMRP2
Die Protection Monitoring Option	6556-GCDP1
4 Additional PLS Outputs Option	6556-GCPLS1
One Operator Run Stand	6556-GTSTAND
6 Inch Color Operator Display Option	6556-GCPV600
Dual Absolute Encoder Option with Light Curtain Muting	6556-GCMUTE