

3200SS Clutch/Brake Control with PressCam 8 Built-In



Pressroom  *Electronics*™

3200SS Clutch/Brake Control with PressCam 8

The Ultimate

The Ultimate is the most feature intensive air clutch punch press control available. The control conforms to all current OSHA and ANSI standards for control reliability and component monitoring. The system incorporates the Pressroom Electronics' PressCam 8 for complete punch press synchronization and flexibility for all peripheral punch press signaling needs such as feeds, die protection, lubrication, blowoffs, etc. All of the electrical timing adjustments for the complete press operation are done at the floor level by the operator. The PressCam 8 system also has a large job memory of 100. This gives the control the ability to remember 100 complete different jobs or die set-ups at the press. The memory concept at the press is an excellent feature due to the tremendous time saved during setups of various operations. Additional time is saved by being able to adjust or "fine tune" the stamping process while the press is running, which is an aid in maximizing press utilization. Detailed isolated product information on both the PressCam 8 and the 3200SS control system can be seen on the preceding pages of this catalog.



Part Number

30-012

Description

24vdc @ 2.2A power supply (90-260vac In) 3.9" L x 3.8" W x 1.4" H (99.1mm x 96.5mm x 35.6mm) for powering die sensors and auxiliary devices.

Standard Features

- Control Panel 3200SS conforms to all current OSHA and ANSI standards.
- Eleven cam programmable limit switch.
- Dual redundant outputs for all faults such as brake monitor, motion detector, etc.
- Built-in motion detector with fast response and dual speed limits.
- Brake Monitor - Time-based brake monitor with a digital display of both the brake stopping time and the brake fault limit setpoints in milliseconds. System also displays a brake fault when stopping times are exceeded.
- Built-in tachometer (SPM) and crank shaft angle in degrees with simultaneous digital display.
- Four built-in counters: stroke, batch, quality, and part.
- Built-in timers, adjustable from 1 ms to 10 seconds.
- Sixteen station die protection system (self-contained cyclic functions and two static functions) built-in with separate timing windows for each station based on the absolute position of the crankshaft. All the die protection timing windows are retained in the memory until the next time a particular die is set-up and run. Die protection timing windows can also be adjusted while the press is in motion.
- All the functions of the system that are timed or signaled through the PressCam 8 system can be retained in memory for 100 different die set-ups.
- All the operator timing adjustments are done at the floor level which eliminates the need for electricians to adjust rotary cam switches and microswitches.
- System self-diagnostics.
- Program security from tampering:
 1. Keyed selector switch for supervisory control
 2. Authorized code for program entry
- Accuracy $\pm 1^\circ$ for all timing circuits and can be "fine tuned" while the press is cycling.
- Eases the timing of all types of feeding equipment, AC and DC servo feeds, and air feeds.
- Very easy to program and use.
- System designed specifically for the metal stamping/metal forming industry.
- Main power disconnect and magnetic motor starters can be housed in the same control panel.
- Built-in 90° and 270° stop time tester.
- Tonnage monitoring optional.
- Ordering Procedure - Follow guidelines on Pages B8 - B9.

(For Custom Programming & Remote Field Upgrades, please consult factory at service@pressroomelectronics.com or (630) 443-9320.)

Machine Safeguarding Products



- Safety Light Curtains (all types and styles)
- Safety Mat Systems (all types and styles)
- Universal Safety Controller HUB / Safety PLC
- Ergonomic Palm Buttons *UltraTouch*®
- Safety Interlock Switches (explosion proof)
- Fencing with Interlocks
- Stack Lights and E-Stops
- OSHA and ANSI Compliant Controls
- Customized “control reliable” controls for dual solenoid activated pneumatic & hydraulic safety valve applications
- Energy Isolation and Single Point Lockout Systems
- Plant Surveys and Risk Assessment
- Stainless Steel Enclosures Available
- Customized Control Panels

Additional products to achieve your **Total Safety Solution!!!**

- Safety Light Curtains (All Types and Styles)
- Universal Safety Controller HUB / Safety PLC
- Safety Mat Systems and Controls
 - Area Guarding Systems
 - NSD Safety Mat Systems
 - STTS Safety Mat Systems
 - Direction of Travel Mats
 - High-Temp Welding Mats
- Ergonomic Palm Buttons
 - UltraTouch Palm Buttons
- Safety Interlock Switches (including explosion proof)
- Customized "control reliable" controls for dual solenoid activated pneumatic and hydraulic valve applications
- Fencing with Interlocks
- E-Stop Buttons
- Stack Lights

- Energy Isolation and Single Point Lockout Systems
- Plant Surveys, Risk Assessment & Installation Services
- Customized Control Panels; Stainless Steel enclosures available for all products

Punch Press / Metal Stamping Industry

- Resolver or Rotary Cam Based Clutch / Brake Controls - OSHA/ANSI Compliant
- Punch Press Automation Controllers
- Time-Based Brake Monitors
- Programmable Limit Switches
- Die Protection & Tonnage Monitoring Systems
- Servo Feed Interfaces

Press Brake Guarding and Controls

- Press Brake Guarding for Mechanical, Air Clutch and Hydraulic Press Brakes
- Press Brake Control Systems



Pressroom 
Electronics™

www.pressroomelectronics.com

Sales and Marketing Office

P.O. Box 99875
Pittsburgh, PA 15233

Phone: (412) 262-1115

Fax: (412) 262-1197

sales@pressroomelectronics.com

orderentry@pressroomelectronics.com

Manufacturing and Service Center

3715 Swenson Avenue
Saint Charles, IL 60174

Phone: (630) 443-9320

Fax: (630) 443-9346

service@pressroomelectronics.com

We have designed our equipment to the very highest performance and safety standards known to the current technological state of the art, as evidenced by our U.S.A. and foreign patents issued and pending. However, the installation, usage, and suitability, and fitness of our equipment for any purpose, known or unknown, is interdependent upon the performance of other equipment not manufactured, installed, secured or maintained by Pressroom Electronics.

We cannot and do not accept responsibility for any overall system performance when factors such as these, are beyond our control.