



SETPOINT

Press Machine

productivity delivered.



THE CHALLENGE

Provide a compact portable pressing solution that will permanently join two components to form a unique sub assembly.

THE SOLUTION

Setpoint has created a lean ergonomic work station that utilizes a hydraulic press system to accomplish the above task. The system uses a Finn Power hydraulic system with custom press tooling to provide the specified pressing profile.

This machine is designed with a LVDT and a pressure transducer to closely monitor the performance of each and every press cycle. This helps ensure that you are producing parts of the highest quality with the most efficient and flexible processing possible.

This machine has quick change out tooling and press tooling that allows you to utilize the same machine for multiple product platforms.



HYDRAULIC POWER UNIT

This compact and portable power unit (right) allows for easy transfer from area to area on the manufacturing floor. Additionally, this configuration allows for easy access for maintenance and can also be quickly swapped out with another unit in the event that a malfunction occurs.

PRESS MACHINE

APPLICATION

- > Part forming/assembly
- > Part pressing/assembly

PERFORMANCE

- > Cycle Rate Auto: 8-10 Sec/Part
- > Tonnage: variable 0-15 Tons
- > Hydraulic cylinders available
- > Throat Max: 2-12 inches
- > Stroke: 8 inches
- > Cylinder: Hydraulic
- > Quick change tooling plate
- > Quick change press touch tooling

FOOTPRINT

- > Width: 36" x Depth 42" x Height 81"

CONTROLS

- > GE PC with Monitor or Allen Bradley PLC with Panelview MMI
- > Opto touch cycle start

FACILITIES

REQUIREMENTS

- > Electric: 120 VAC single phase
- > Pneumatic: 80 psi shop air

PNEUMATICS

- > 24 VDC indicating valves
- > Manual lock out
- > Quick dump soft start valve
- > Air preparation unit

SAFETY

- > Polycarbonate guarding
- > Interlocked doors
- > Light curtain
- > E-stop button

OPTIONS

- > Barcode scanner
- > Reject part container with verification
- > Error proof part orientation sensing
- > Vision system verification of final product assembly

MACHINE GUARDING

This machine has a three way light curtain that allows easy access to parts as they are manually placed in and out of the machine. The light curtain offers the ultimate in the machine's accessibility and safety.



PORTABLE HYDRAULIC POWER UNIT

The unit provides flexibility and maintainability of the pressing system's power unit.

ERGONOMIC BASE

The ergonomic base allows the work station to be adjusted to various heights to meet the operator's ergonomic needs.



OPERATOR INTERFACE

Machine parameters, functions, and auto and manual cycles can be operated and viewed from the interface terminal.

SETPPOINT SYSTEMS

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