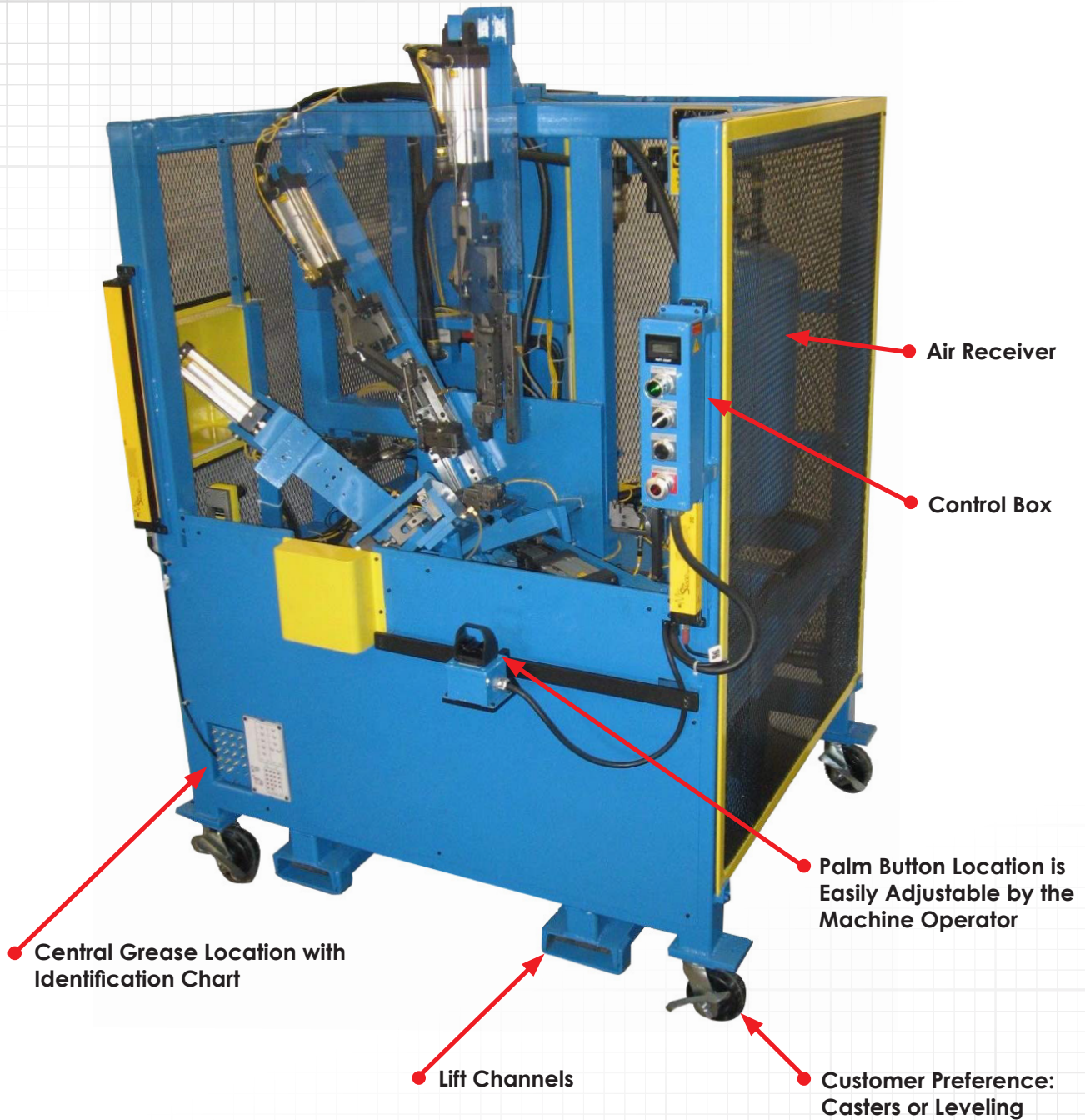


EXCEL

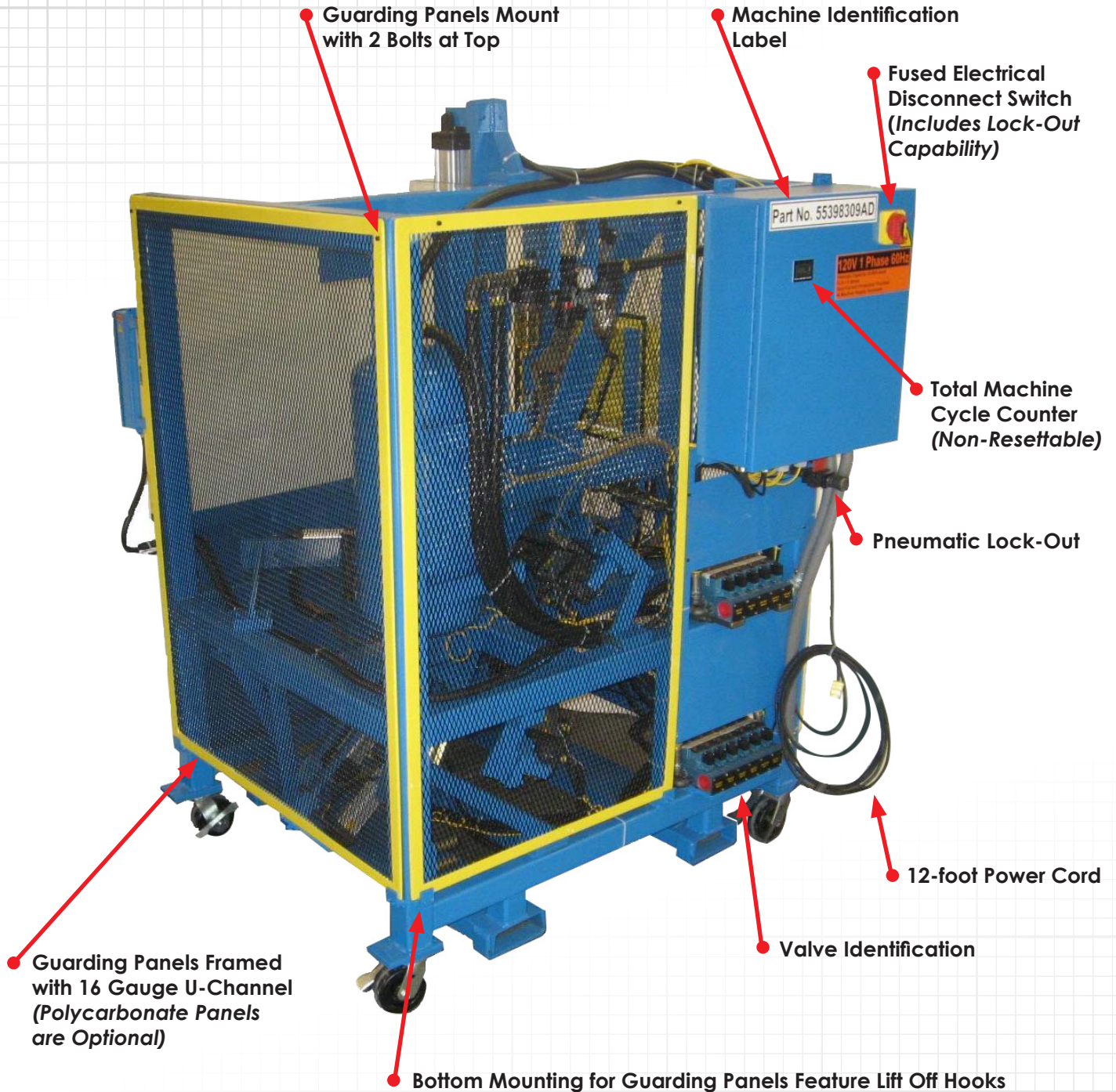
MACHINE & TOOL, INC.



Semi-Automatic Machine Features



Semi-Automatic Machine Features

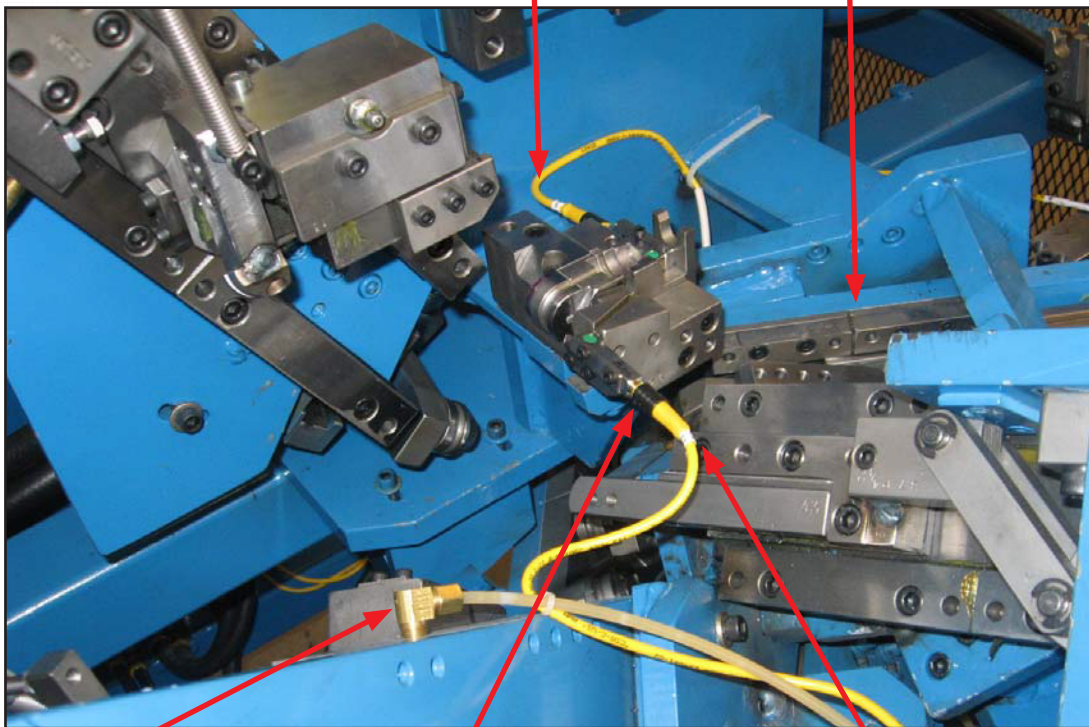


Heat Treated:

- Locating Details
- Clamp Blocks
- Form Rolls
- Bending Tools

Heat Treated:

- Gib & Slide Assemblies
- Toggle Joints



• Lubrication Points on Slide Assemblies Routed to a Common Location

• Quick Disconnect Cables Used on Proximity Switches

• Proximity Switch Identification

Semi-Automatic Machine Features**Machine Controls — Standard Package****Resettable Part Counter****Control Power On**

- Green illuminated push button: Push to turn control power on

Manual or Automatic Mode Selector

- Manual Mode: Machine cycle will single step through the bending cycle each time the palm button is pressed.
- Automatic Mode: Machine will perform one complete bending cycle each time the palm button is pressed.

Reset

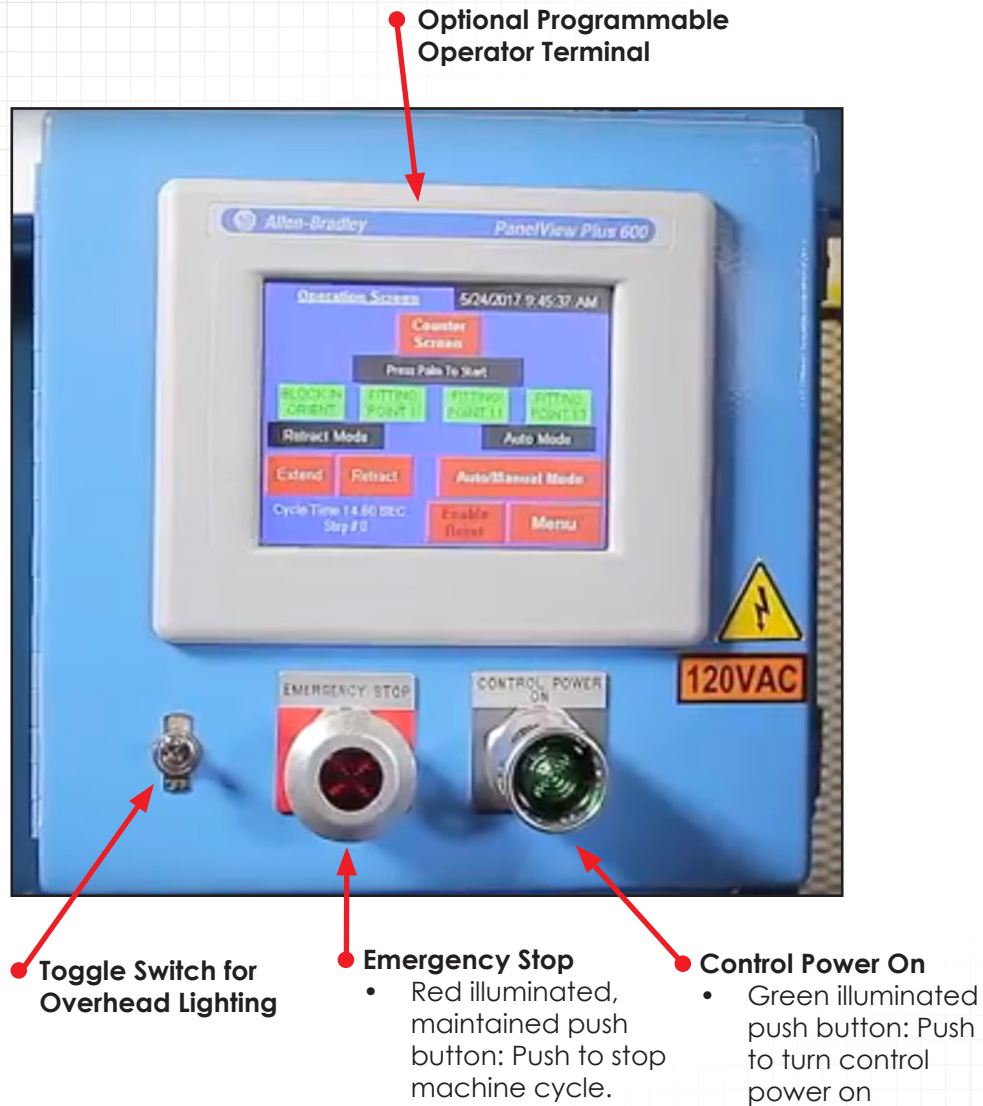
- Momentary push button: Push to reset the machine to "home" position.

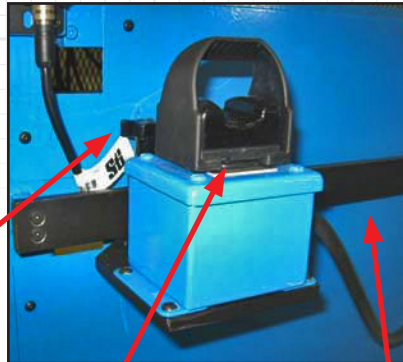
Emergency Stop

- Red illuminated, maintained push button: Push to stop machine cycle.

Semi-Automatic Machine Features

Machine Controls — Optional Package



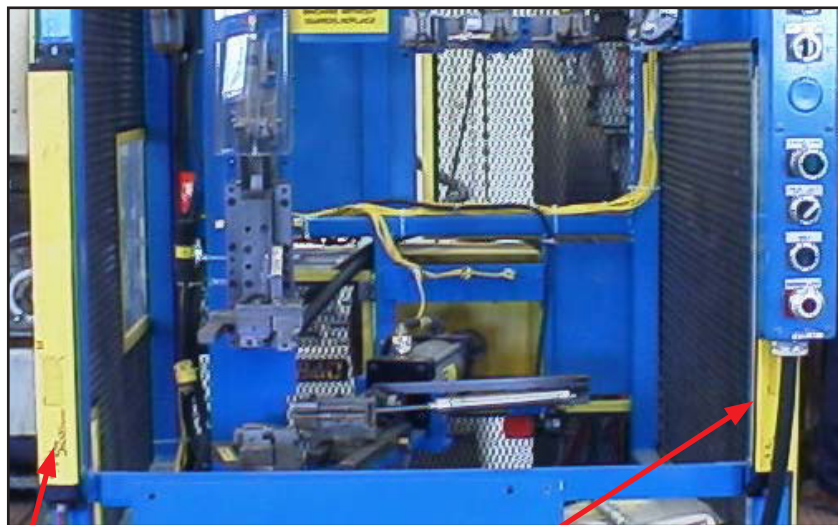
Semi-Automatic Machine Features**Palm Button & Light Curtains**

● Locking Knob

● Palm Button

● Adjustable Mounting Rail

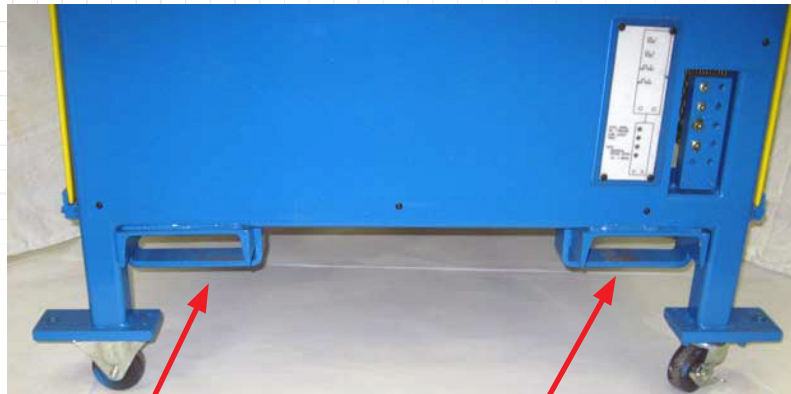
A non-contact palm button is mounted on a sliding pad/rail assembly and locked into position with a knob. This allows individual operators to adjust the location of the palm button for maximum comfort and ease of operation.



● Light Curtain Receiver Bar

● Light Curtain Transmitter Bar

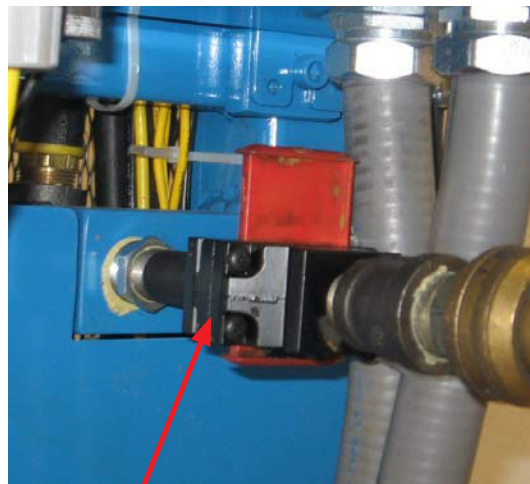
Protecting the front of the machine with a light curtain allows the operator to start the machine cycle and then perform other tasks while the machine is in cycle.

Semi-Automatic Machine Features**Lift Channels & Pneumatic Lock-Out**

● Lift Channel

● Lift Channel

Provide a safe, easy and convenient way of transporting the machine.

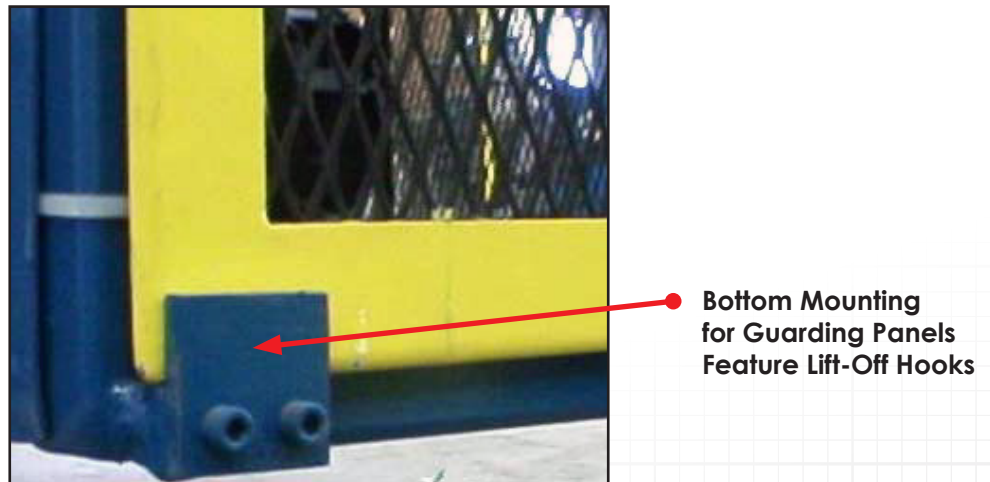
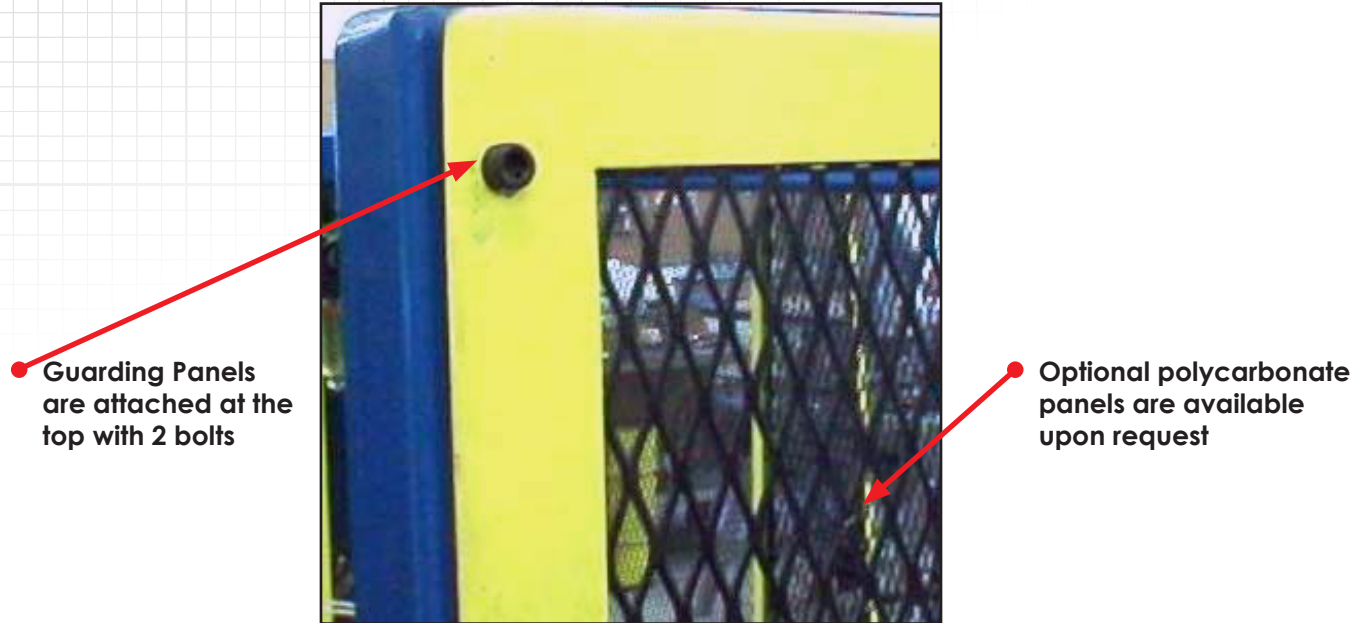


● Pneumatic Lock-Out

Used to manually shut off and lock-out the pneumatic air supply. Solenoid operated pneumatic dump valves, with or without soft start capabilities, available upon request.

Semi-Automatic Machine Features

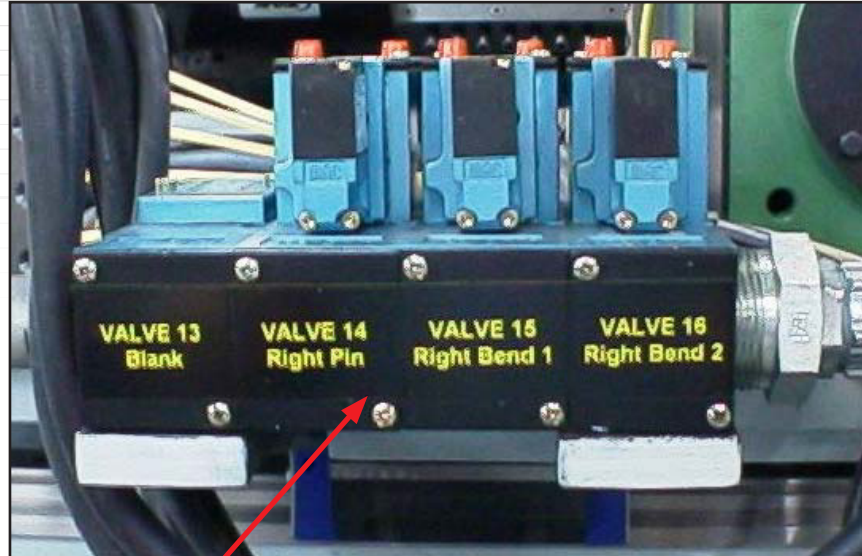
Guarding Panels



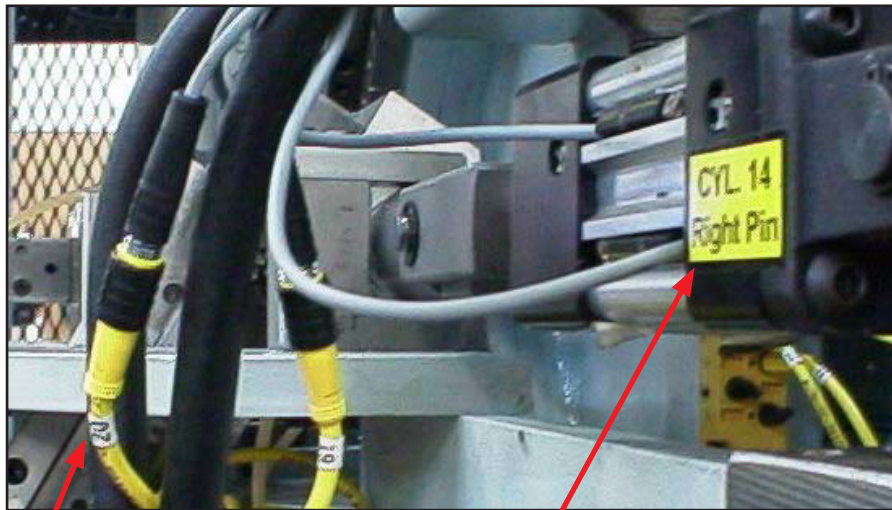
Expanded metal panels are framed with 16 gauge U-shaped channels. The finish panel is then painted gloss black and trimmed in safety yellow.

Semi-Automatic Machine Features

Proximity Switches, Cylinders & Valve Identification



Valve Stations are Cross-Referenced to the Cylinder Labels

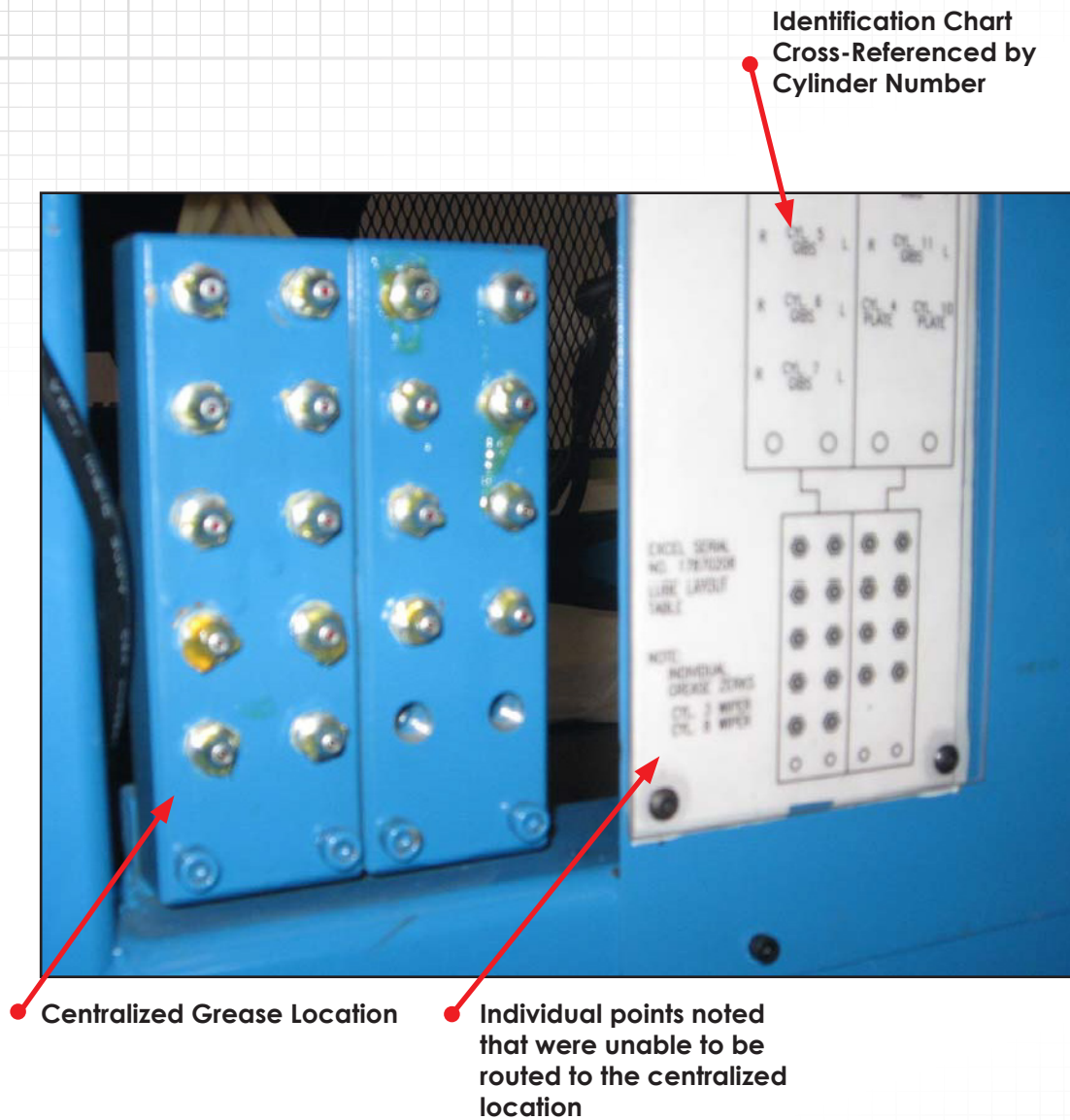


Proximity Switches and Quick Disconnect Cables are Cross-Referenced to the Wiring Schematics

Cylinders are Cross-Referenced to the Valve Stations

Semi-Automatic Machine Features

Central Grease Location



A convenient and efficient method of machine lubrication is provided by the use of a centralized grease location. Most lubrication points are routed to the centralized location by the use of nylon tubing. The individual points are then identified by the use of a corresponding chart. Any lubrication points that were unable to be routed to the centralized location are also noted on the chart.

Semi-Automatic Machine Features**Electrical Enclosure**

Semi-Automatic Machine Features

Electrical Enclosure — Inside Layout

