



## **CS – 30/40 SERIES** Insert Molding Machines

C-frame hydraulic vertical clamp, parting line injection, insert molding machine with stationary platen, side to side shuttle or rotary table.

### **Injection Unit**

| DESCRIPTION                       | MEASURE  | 1.5 -oz      | 3 -oz        | 5 -oz        | 8 -oz        |
|-----------------------------------|----------|--------------|--------------|--------------|--------------|
| Screw Diameter                    | mm       | 25           | 30           | 40           | 40           |
| Theoretical Displacement          | cubic in | 2.4          | 4.9          | 8.9          | 15.6         |
| Maximum Inject Plastic Pressure   | psi      | 8,000/28,000 | 9,500/25,000 | 9,000/22,000 | 9,000/22,000 |
| Maximum Injection Stroke          | in       | 3.00         | 5.00         | 5.00         | 8.00         |
| Maximum Screw Speed               | rpm      | 400          | 400          | 400          | 400          |
| L/D Ratio                         |          | 20:1         | 20:1         | 15:1         | 15:1         |
| Injection Unit Sled In/Out Stroke | in       | 5.00         | 5.00         | 5.00         | 5.00         |

### **General**

| DESCRIPTION                | MEASURE |                 |
|----------------------------|---------|-----------------|
| Pump Motor                 | hp      | 15              |
| Pump Capacity              | gpm     | 12              |
| Oil Capacity               | gal     | 30              |
| Main System Pressure       | psi     | 2200            |
| Current Draw @ 230 V, 3ph  | amps    | 68              |
| Machine Weight             | lbs     | 4500            |
| Machine Dimensions (LxWxH) | in      | 84" x 48" x 72" |

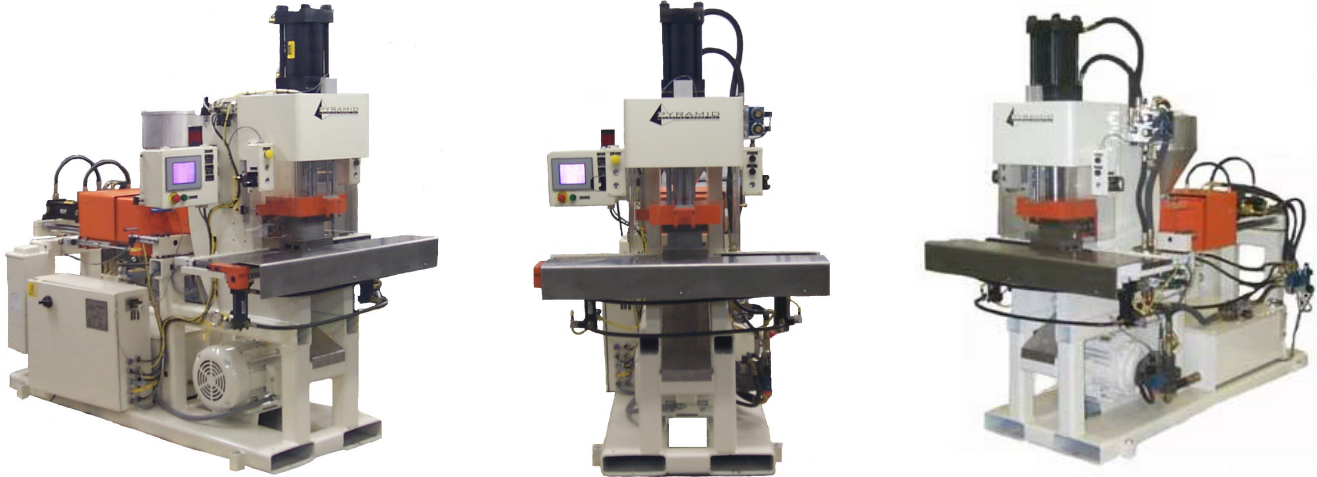
### **Clamp Unit**

| DESCRIPTION   | MEASURE |                                 |
|---------------|---------|---------------------------------|
| Clamp Force   | ton     | 30/40                           |
| Clamp Stroke  | in      | 6"(10" opt)                     |
| Open Daylight | in      | 12" (16" opt)                   |
| Maximum Mold  | in      | 8" x 12" std.<br>10" x 16" opt. |

For full specifications on CS series machines, tooling, automation, auxiliaries and custom machines call Pyramid at **1- (877) 897 – 4311** or visit our web site at [www.pyramidplastics.com](http://www.pyramidplastics.com)



## ***CS - 30 SERIES***



- Solid Steel C-frame construction
- Hydraulic clamp
- Stainless steel shuttle guard
- Lubrication free shuttle design
- Nickel plating on shuttle and upper platen for corrosion resistance when running PVC
- Lubrication free bushings and chrome plated guide rods on injection unit
- Simple easy to access hydraulic circuit
- Operator push buttons above shuttle table out of the way of cables and harnesses
- Multiple quick connect pressure gage ports
- Stainless steel purge chute
- Heavy duty level pads
- Discrete temperature controllers with low temperature screw safety
- Remote mounted primary and secondary injection pressure valves
- Large, heavy wall tube base with easy fork truck loading from front of machine
- Proportional hydraulic pressure and flow control
- Energy efficient piston pump
- Only two lube points on entire machine (electric pump motor and injection screw motor)
- Spanish text on operator interface, tags and warning labels
- Up to 8 oz of injection capacity for large grommets and plugs
- 24 VDC control circuit
- Allen Bradley PLC with graphical operator interface for advanced setup and diagnostics capabilities
- Linear transducer for simple, accurate setting of injection positions.
- Low pressure, high speed injection design to minimize cable movement and blowout.
- Designed specifically for the wire and cable industry

Represented By: