Melt Tilt Pour Casting Machine

**Function:** Tilt Pour Casting Machine / casting

**Capabilities:**
- Melt and Tilt pour casting machine
- HALL 3HS Permanent Mold Casting Machine (tilt pour gravity die casting machine)

**Operational:**
- Arrived @ Lift
- Install 4Q-2016

**Vendor:** Hall CMH Mfg.

---

**New operational target:** 2017-2Q

**Gravity Die Casting Machine**

**Features**
- Low maintenance due to few moving parts, heavy duty, rugged, and dependable.
- Frame open on 3 sides, plus front and bottom, to facilitate use of core pulls in 6 directions.
- Twin cushioned tilt cylinders provide a smooth tilting motion from start to stop.
- Twin ram cylinders provide a safety factor, as well as extra holding pressure and better clamping balance.
- Hydraulic power units available in manual, automatic, or with programmable controllers, sized to facilitate all available accessories at low operating pressure.

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Metric</th>
<th>Imperial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clamping pressure</td>
<td>58,900 lbs</td>
<td>26,717 kg</td>
</tr>
<tr>
<td>Max. mold size</td>
<td>36 x 38 in</td>
<td>91 x 97 cm</td>
</tr>
<tr>
<td>Max. mold weight</td>
<td>4,000 lbs</td>
<td>1,815 kg</td>
</tr>
<tr>
<td>Ram stroke</td>
<td>30 in.</td>
<td>76.2 cm</td>
</tr>
<tr>
<td>Daylight opening</td>
<td>17.50 in.</td>
<td>44.5 cm</td>
</tr>
<tr>
<td>Pressure height center</td>
<td>12.50 in.</td>
<td>31.8 cm</td>
</tr>
<tr>
<td>Machine weight</td>
<td>8,150 lbs</td>
<td>3,697 kg</td>
</tr>
<tr>
<td>Tie bar size</td>
<td>2 in. dia.</td>
<td>5.08 cm</td>
</tr>
<tr>
<td>Tilt speed</td>
<td>7 sec.</td>
<td></td>
</tr>
</tbody>
</table>

**Options**
- 1. Tie Bar Extensions
- 3. Powered Swing in Casting Catcher
- 4. Front Ejector
- 5. Proportional Tilt
- 6. Custom Plate Drilling or Sizes