Rotational Electro-Mechanical Assembly Press

Providing fully programmable control of both linear and rotational motion with integrated force and torque sensing
As every application places different demands on assembly and test systems, Promess has designed a complete line of electro-mechanical rotating press systems to provide a solution for the most demanding applications.

### Rotational Electric Press Sizes*

<table>
<thead>
<tr>
<th>Force (kN)</th>
<th>Stroke (mm)</th>
<th>Speed (mm/sec)</th>
<th>Torque (Nm)</th>
<th>Speed (RPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100</td>
<td>200</td>
<td>20, 50, 100</td>
<td>250</td>
</tr>
<tr>
<td>5</td>
<td>200</td>
<td>200</td>
<td>20, 50, 100, 200</td>
<td>250</td>
</tr>
<tr>
<td>12</td>
<td>400</td>
<td>200</td>
<td>20, 50, 100, 200</td>
<td>250</td>
</tr>
<tr>
<td>20</td>
<td>400</td>
<td>200</td>
<td>20, 50, 100, 200</td>
<td>250</td>
</tr>
<tr>
<td>30</td>
<td>400</td>
<td>175</td>
<td>20, 50, 100, 200</td>
<td>250</td>
</tr>
<tr>
<td>40</td>
<td>400</td>
<td>200</td>
<td>20, 50, 100, 200</td>
<td>250</td>
</tr>
<tr>
<td>60</td>
<td>400</td>
<td>150</td>
<td>20, 50, 100, 200</td>
<td>250</td>
</tr>
</tbody>
</table>

*Custom configurations available upon request

### System Layout

- **UltraPRO Controller**
- **PRO-SDE** (Safety Drive Enclosure)
- **REMAP**
- **Digital Signal Conditioner**
- **UltraPRO Editor and Data Collector**
- **Server**
- **Optional Promess Software**
  - Database Viewer
  - Data Service
  - Add-Ins
- **PLC**
  - UltraPRO Fieldbus Options:
    - EtherNet I/P
    - ProfiNet
    - ModBus TCP
Features/Capabilities:

- Press ram extends, retracts and rotates
- Coordinated motion control
- Programmable position, velocity, acceleration, angle, angular velocity, angular acceleration and relative and absolute limits
- Press to position
- Turn to angle
- Press to force
- Turn to torque
- Promess' patented DABEX data analysis, any combination of torque, angle, position or force
- Gauging of sensing data points such as force, torque, position and angle (single point, minimum, maximum and average) values
- Adjustable process limits and tolerances
Promess would like to invite you to our Process Development Center. The PDC is available to help you develop your processes and confirm the Promess technology that is best suited for your application. Call today to set up a visit.

**The Process Development Center gives you access to:**
- EMAP (Electro-Mechanical Assembly Press) Work Stations with capabilities ranging from 0.2kN-300kN
- TorquePRO stations ranging from 1Nm-600Nm
- REMAP (Rotational Electro-Mechanical Assembly Presses) which combines rotational and linear motion in one machine

Promess Incorporated

Promess is recognized as a leading U.S. manufacturer of highly adaptive monitoring and motion control systems used by companies around the world to assemble and test their products.