TorquePRO Systems

Promess Motorized Torque Assembly & Test Systems are the ideal solution for your torque testing and assembly needs.
The Promess TorquePRO System combines a servo motor and torque transducer in a single plug-and-play package. It has the ability to control and monitor the rotational torque and angle of your process and is designed to fit a broad range of functional torque testing and measurement applications.

**TorquePRO Capacity**

<table>
<thead>
<tr>
<th>Torque Capacity</th>
<th>Speed</th>
</tr>
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<tbody>
<tr>
<td>Nm</td>
<td>Lb-in</td>
</tr>
<tr>
<td>5</td>
<td>44</td>
</tr>
<tr>
<td>20</td>
<td>177</td>
</tr>
<tr>
<td>50</td>
<td>442</td>
</tr>
<tr>
<td>100</td>
<td>885</td>
</tr>
<tr>
<td>200</td>
<td>1,770</td>
</tr>
<tr>
<td>500</td>
<td>4,425</td>
</tr>
<tr>
<td>1,000</td>
<td>8,851</td>
</tr>
<tr>
<td>2,500</td>
<td>22,127</td>
</tr>
<tr>
<td>5,000</td>
<td>44,254</td>
</tr>
<tr>
<td>10,000</td>
<td>88,507</td>
</tr>
</tbody>
</table>

*Other sizes and options available. Speed is based on 480 VAC supply

**Features and Capabilities:**

- Torque vs. angle signature monitoring
- Data acquisition and analysis
- Patented DABEX monitoring
  - Standard monitoring functions
  - Customize your own test using our easy to use curve analysis tools
- Compact design
- Move to multiple positions & torque values within the same program
- Move to angle
- Hold a constant torque
- Advanced data analysis
- Easy to integrate
- Base mount / face mount option

**Promess UltraPRO Technology**

Promess UltraPRO Technology’s multi-axis, multi sensor capability makes it ideal for your torquing applications that require more than one axis of motion and/or multiple sensors to perform the operation.
Sample Applications

- Cam shaft/crank shaft
- Gear trains/boxes
- Rack and pinion
- Ball joints
- Planetary carrier assembly
- Bearings
- Axle differential
- Spring test
- Electric assisted steering
- Autonomous vehicle development
- Ball screws
- Medical instruments
- Medical function testing
- Surgical device trigger function test
- Orthopedic device testing
- Surgical tool testing
- Appliance transmission
- Variable pitch prop adjustment
- Valve performance testing
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.