PRODUCT RANGE

With several thousand tables running in the field for over 10 years, ETEL’s very successful and highly reliable RTMB indexing tables have been improved! Do you want to increase your machine throughput? The RTMBi has been designed for you!

RTMBi is the new range of high performance indexing tables combining ETEL’s high efficiency torque motors and HEIDENHAIN’s high resolution encoder technology in a very compact package.

The RTMBi family consists of 5 different active lengths depending on the torque level requirements, each with an optimized 166 mm outside diameter.

<table>
<thead>
<tr>
<th>OUTER Ø / INNER Ø [MM]</th>
<th>HEIGHT [MM]</th>
<th>INERTIA [KG.M²]</th>
<th>PEAK TORQUE [NM]</th>
<th>CONTINUOUS TORQUE [NM]</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTMB140-030</td>
<td>86</td>
<td>1.5x10⁻³</td>
<td>39.3</td>
<td>9.4</td>
</tr>
<tr>
<td>RTMB140-050</td>
<td>115</td>
<td>2.1x10⁻³</td>
<td>65.5</td>
<td>14.5</td>
</tr>
<tr>
<td>RTMB140-070</td>
<td>135</td>
<td>2.6x10⁻³</td>
<td>91.7</td>
<td>18.9</td>
</tr>
<tr>
<td>RTMB140-100</td>
<td>165</td>
<td>3.4x10⁻³</td>
<td>131</td>
<td>26.6</td>
</tr>
<tr>
<td>RTMB140-150</td>
<td>215</td>
<td>4.6x10⁻³</td>
<td>197</td>
<td>36.4</td>
</tr>
</tbody>
</table>

PERFORMANCE

- Bidirectional repeatability: ±3 arcsec
- Absolute accuracy: down to ±6 arcsec
- Speed: up to 1200 rpm

Compared to RTMB:

- Continuous torque improved by up to 20%
- Peak torque improved by 8.5%
- Inertia reduced by up to 20%
- 600 VDC compatibility
- Same mechanical interface

TYPICAL MARKETS AND APPLICATIONS

RTMBi is the perfect solution for back-end semiconductor and electronic applications such as:

- MEMS testers
- Die bonders
- Rotary module in Pick and Place tester
- Turret testing handlers

Coupled to ETEL’s force controlled short stroke actuators and AccurET controllers, the RTMBi is a perfect solution for Turret Testing handlers.

RTMBi are dedicated to applications requiring:

- High torque density
- Short indexing time
- High positioning accuracy
- Improved thermal stability