Anti-Rotation Flex Mounts

Anti-rotation flex mounts are engineered for a balance of flexibility and stiffness. Flex mounts keep thru-bore and blind hollow bore encoders from rotating on shafts, and accommodate shaft endplay and runout, preserving bearing life.

**Model 30M**
Non-contact magnetic sensing for stepper, BLDC motors, and more.

**Model 30MT**
The Model 30MT comes with a threaded housing for a simple installation.

**Model 15T**
The compact Model 15T fits into tight spaces while delivering high performance.

**Model 260**
The Model 260 can be fitted to a wide range of motor frame sizes and mounting patterns.

Temperature extremes are no problem
EPC's encoders have temperature options that range from -40° C to 120° C.
Encoder Solutions for Small Motor Applications

EPC small motor encoder solutions deliver reliable high performance feedback in compact housings. Our feature-rich designs allow for the specification of encoders that perfectly match application criteria.

<table>
<thead>
<tr>
<th>Resolution</th>
<th>EPC's small motor encoders feature resolutions from 1 to 10,000 CPR, plus commutation. Interpolated resolutions maintain a clean waveform with no degradation in accuracy.</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Temp Environments</td>
<td>All of EPC's small motor encoders have temperature options up to 100° C. Models 15T and 260 have an extreme temp option up to 120° C.</td>
</tr>
<tr>
<td>Mounting &amp; Installation</td>
<td>EPC small motor solutions offer bore sizes and flex mounts that readily accommodate common BLDC, stepper, and servo motor frames.</td>
</tr>
</tbody>
</table>

**MODEL 15T/H**

*Low profile – 1.5” diameter (38 mm) and 1.0” depth (25.4 mm)*

- Resolutions to 10,000 CPR
- Available in thru-bore or blind hollow bore
- Bore sizes from 3/16” to 3/8” or 4 mm to 10 mm
- Up to 12 pole commutation for brushless motor control
- High tolerance to axial misalignment or radial shaft runout
- Simple, innovative flex mounting system
- Operating temps: -40° to 120° C
- Sealing to IP64

**MODELS 30M / 30MT**

*Magnetic encoder modules*

- Resolutions to 1024 CPR (4096 PPR with quadrature counting)
- Compact 30 mm (1.18”) diameter housing
- Optional 2 pole or 32 pole commutation
- Large air gap and tolerance to misalignment
- Threaded housing for built-in alignment (Model 30MT)
- Operating temps: -40° to 120° C
- Sealing to IP69K

**MODEL 121**

*Auto-aligning modular encoder for simple, hassle-free mounting*

- Resolutions to 2500 CPR
- Patented auto-aligning mounting
- Up to 12 pole commutation available
- Bore sizes from 1/4” to 5/8” or 5 mm to 15 mm
- Operating temps: 0° to 100° C
- Up to 30,000 RPM
- Includes IP50 dust seal kit

**MODEL 260**

*Compact, economical encoder*

- Resolutions to 10,000 CPR
- Slim profile – 2.0” diameter and 1.19” depth
- Bore sizes from 1/4” to 5/8” or 5 mm to 15 mm
- Up to 12 pole commutation
- Anti-backlash mounting system
- Operating temps: -40° to 120° C
- Sealing to IP64

Not sure which motion feedback is right for your application? Give us a call. When you call EPC, you talk to engineers and encoder experts who can help you specify the right encoder solution for your motion control application. Contact EPC today.