

## Angle Encoders

The Signum RESM optical angle encoders make an ideal fit for direct drive rotary (DDR) motors, eliminating position error and backlash while delivering speeds to over 3,600 rev/min, accuracy to  $\pm 0.5$  arc second, plus resolution and repeatability to 0.02 arc second. The RESM encoder features a large diameter, low-profile stainless steel ring that mounts directly to the machine shaft, avoiding coupling losses, oscillation, shaft torsion, and other hysteresis errors inherent with sealed encoders. The direct-mount, low-inertia ring design eliminates transmission components and encoder couplings, improving stiffness, and dynamic response.

**Source URL (retrieved on 01/31/2015 - 2:34pm):**

[http://www.mdtmag.com/product-releases/2005/05/angle-encoders?qt-video\\_of\\_the\\_day=0&qt-recent\\_content=0](http://www.mdtmag.com/product-releases/2005/05/angle-encoders?qt-video_of_the_day=0&qt-recent_content=0)