A mill-duty encoder that keeps you ahead of the curve

Same mill-duty rugged design your applications demand:
- Ductile "fully coated" Cast Iron Housings
- Stainless Steel Replaceable Sensor Modules
- Fully Encapsulated Electronics
- Best In Class Durable Wheel Options

Redesigned With:
- The Most Rugged Magnetic Technology Available Today
- Largest Non-Contact Sensing Gap Available On The Market
- Higher Resolutions to 2048 PPR and (4096 COMING SOON)
- Active LED Indicator With Diagnostics

NorthStar – Pioneers of proven magnetic digital tachometers, remains committed to developing new and reliable products, delivering quality, and outstanding service to our industrial customers.
The next generation of RIM Tach encoders has arrived

![Image of RIM Tach encoder]

NorthStar RIM Tach 8500® NexGen's curved sensor head features the largest gap on the market.

The RIM Tach product line was specifically designed over 20 years ago to provide high performance velocity and position feedback for AC and DC motor and drive control systems. The demands today require more forgiving installation to accommodate for variations in shaft concentricities, C-face bracket fits, and higher resolutions to meet the demands of today's high performance drives. The result is the NorthStar RIM Tach 8500 NexGen encoder.

### Features

<table>
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<tr>
<th>Feature</th>
<th>Benefit</th>
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<tr>
<td>Largest non-contact sensing gap (70 thousandths) available on the market.</td>
<td>Quick easy installation on vector motors. No precision tools or measurements required. More generous axial play (up to 1/2&quot;) when aligning wheel to sensor. More forgiving in tough applications where brakes and dynamic shaft deflections typically cause wheel to sensor strikes.</td>
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<td>Higher resolutions to 2048 and (4096 COMING SOON) with strong clear signal output.</td>
<td>More reliable signal for demanding applications and higher performance drives.</td>
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<td>Active LED with troubleshooting diagnostics.</td>
<td>Precise troubleshooting during installation and operation, preventing unscheduled downtime.</td>
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<td>NEW wheel lock design.</td>
<td>Industry leading wheel design positively locks to the shaft without damaging the shaft.</td>
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<td>Protective magnetic wheel edge guard.</td>
<td>Protects magnetic surface on the wheel from rough handling.</td>
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<td>NexGen RIM Tach sensor module and wheel are reverse compatible with previous generations RIM Tach series.</td>
<td>Take advantage of today's new technology and benefits and upgrade existing installations by just replacing the sensor module and wheel. Saves money by not having to replace old housings and hardware.</td>
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**Dynapar**

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