

Press Information

Department: Sensor: Encoders

IP67-Rated Magnetic Rotary Encoders For Heavy Duty Applications

Hollow Shaft Design Accepts Bore Diameters to 740 mm

Southington, Conn. — June 3, 2009.... For high resolution, high dynamic measurement of position, speed and velocity, Baumer has introduced the MHXX Series of hollow-shaft, large-bore, magnetic rotary encoders. These robust, non-contact encoders contain no bearings, so measurement is contact-free and components do not wear. The IP67 rated housing and fully encapsulated read head electronics allow long-term, reliable performance in high shock and vibration environments.

MHXX Series Magnetic Rotary Encoders operate efficiently in a wide range of temperatures, from -40 to 100°C. All products in the line are compact, featuring very thin rotors and read heads that adapt easily to the axis of rotation. Specifically designed for use on shafts from 20 to 740 mm, the encoders are designed to allow large clearances between the rotor and the sensing head for easy mounting. The encoder's disk may be mounted using set-screws, clamping rings, or clamping fixtures.

These IP67-rated encoders withstand vibration to 30 g and shock to 300 g. All encoders in the MHXX Series are available with incremental or sine-cosine outputs and certain models are also available with an additional absolute output track up to 17 bits. MH Series encoders offer large (+/- 3 mm) permissible axial displacement and large (.1 to 2.2 mm) permissible air gap tolerance depending on size of bore.

MHXX Series Magnetic Rotary Encoders can be used on equipment and machinery used in motion control, textile production, wood/timber processing, packaging, machine tool, medical, electric motor and general industrial applications.

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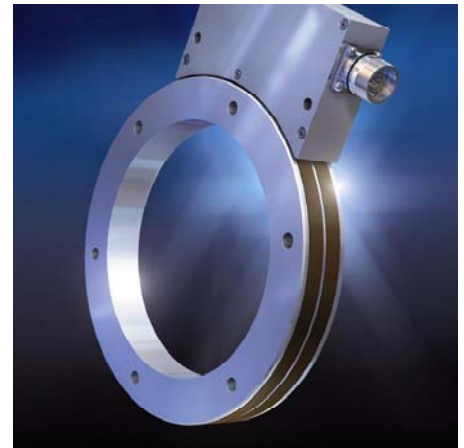


Figure 1: Capture

BUDE-Magnetic Rotary Encoders

Baumer Group

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