

Fusion™ Magnetic Bearings

FEATURES

- Electronics integrated into bearings
- Eliminates complex wiring
- No separate control cabinet
- Fully scalable
- Includes all of Synchrony's advanced and proven features
 - Advanced flux control algorithms
 - Inertial balance system
 - Dynamic force compensation
- Rotordynamic condition monitoring and protection
- Health monitoring of coils and amplifiers

BENEFITS

- Elimination of field tuning
- Ease of integration thru elimination of wiring for coils and sensors
- Cost reduction via simplification and electronic integration
- All of the advantages of standard magnetic bearings
 - Elimination of oil lubrication and its associated pumps, valves, coolers, ducting, sumps, etc.
 - Higher operating temperatures vs. rolling element bearings
 - Elimination of mechanical friction
 - Improved reliability and reduced maintenance lowers downtime for a machine or process



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