



Magnetic Bearings and Bearingless Drives

By Akira Chiba, Tadashi Fukao, Osamu Ichikawa, Masahide Oshima, Masatugu Takemoto, David G Dorrell

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The application of bearingless drives is emerging as an important technique in the areas of high-speed machinery and motion-control, and this book aims to provide a thorough grounding in the principles behind this cutting-edge technology. Basic principles are described in detail with practical examples to aid understanding, and the different types of bearingless drives are introduced, along with coverage of test machines and applications.

Aimed at practising electrical and mechanical engineers and advanced students, **Magnetic Bearings and Bearingless Drives** provides an essential guide to an area of engineering previously only fully covered by large numbers of academic papers.

- Unique and comprehensive coverage of a cutting-edge subject for electrical and mechanical engineers
- A reference text and survey for designers, manufacturers and users of high-speed motors, generators and electrical drive systems
- Examines the basic principles behind magnetic bearings, with key technologies and applications illustrated through examples and case studies

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