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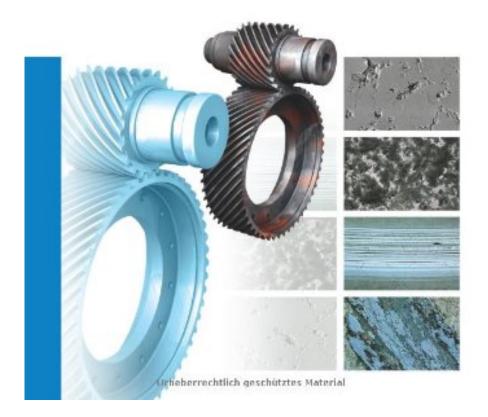


Theo Mang, Kirsten Bobzin and Thorsten Bartels



Industrial Tribology

Tribosystems, Friction, Wear and Surface Engineering, Lubrication



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Review

"Although this book is generally of interest to mechanical engineers and surface scientists; it provides all researchers, graduate students, engineers, and chemists working in the field of tribiology with an easy-to-read and concise introduction to this fast-growing discipline." (IEEE Electrical Insulation Magazine, 1 May 2013)

From the Back Cover

Tribology is the science of friction, wear and lubrication. It is a fast growing discipline generating a lot of interest at universities, industrial and other research centers, and has produced promising new results over the past five years. Due to its interdisciplinary nature, it requires efficient cooperation between mechanical engineers, materials scientists, chemists and chemical engineers, and even specialists in toxicology and environmental protection. Integrating very interesting results from the most important R&D project ever made in Germany, this ready reference and handbook offers a basic understanding of tribological systems and the latest developments in reduction of wear and energy consumption by tribological measures.

The result is an analysis of the most important tribosystems using modern test equipment in laboratories and test fields, the latest results in material selection and wear protection by special coatings and surface engineering, as well as with lubrication and lubricants.

About the Author

Theo Mang gained his diploma for mining engineering and his PhD in chemical engineering from the University of Clausthal (Germany). Since 1998 he has been Professor at the Faculty of Mechanical Engineering of the RWTH Aachen. He began working in the field of lubricants at Fuchs in Mannheim, becoming head of the technical department in 1980 and a member of the Executive Board of the global Fuchs Group from 1983 until 2001, responsible for technology and later additionally for group purchasing

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This result is a quick introduction for mechanical engineers and laboratory technicians who have to monitor and evaluate lubricants, as well as for plant maintenance personnel, engineers and chemists in the automotive and transportation industries and in all fields of mechanical manufacturing industries, researchers in the field of mechanical engineering, chemistry and material sciences.

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