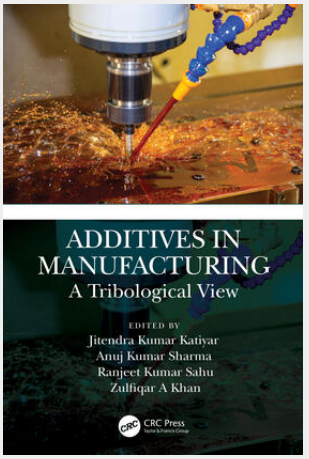
Sharma / Katiyar / Sahu

Additives in Manufacturing

A Tribological View

Additives improve the surface properties, reducing friction and wear at the interface, and improving service life of interacting engineering systems and components and this book focusses on a comprehensive study of additives in terms of their role in tribological performance of manufacturing processes. It offers the fundamental understanding of tribological performance and the latest developments in reduction of wear and energy consumption through tribological processes in manufacturing integrated with industry relevant results. Features: - Covers latest development in reduction of wear and energy consumption through tribological processes in manufacturing. - Includes potential and successful aspects of the role of additives on the component surfaces to realize the tribological behavior of the components. - Provides the application of additives in industries such as automotive, machining, aerospace, and biomedical industries. - Reviews application of additives in modern manufacturing processes. - Provides the relevant aspects of micro/nanofluids. This book is aimed at researchers and graduate students in mechanical engineering, tribology, and additive manufacturing.



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