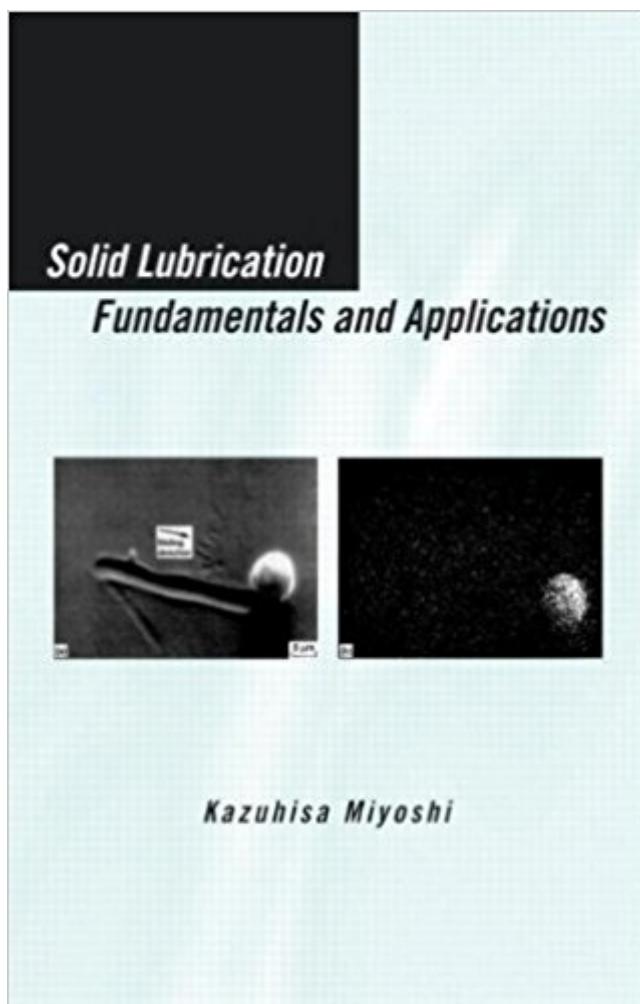


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# Solid Lubrication Fundamentals And Applications (Materials Engineering)



## Synopsis

Solid Lubrication Fundamentals and Applications description of the adhesion, friction, abrasion, and wear behavior of solid film lubricants and related tribological materials, including diamond and diamond-like solid films. The book details the properties of solid surfaces, clean surfaces, and contaminated surfaces as well as discussing the structures and mechanical properties of natural and synthetic diamonds; chemical-vapor-deposited diamond film; surface design and engineering toward wear-resistant, self-lubricating diamond films and coatings. The author provides selection and design criteria as well as applications for synthetic and natural coatings in the commercial, industrial and aerospace industries..

## Book Information

Series: Materials Engineering (Book 19)

Hardcover: 416 pages

Publisher: CRC Press; 1 edition (October 2, 2001)

Language: English

ISBN-10: 0824789059

ISBN-13: 978-0824789053

Product Dimensions: 6.3 x 0.9 x 9.4 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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