

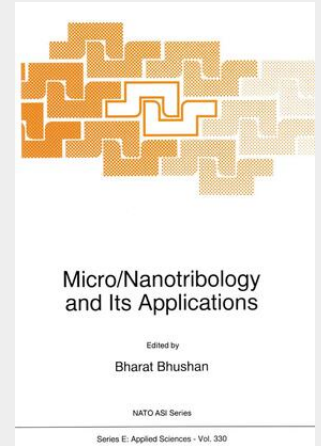
Bhushan

## Micro/Nanotribology and Its Applications

---

Micro/nanotribology as a field is concerned with experimental and theoretical investigations of processes ranging from atomic and molecular scales to the microscale, occurring during adhesion, friction, wear, and thin-film lubrication at sliding surfaces. As a field it is truly interdisciplinary, but this confronts the would-be entrant with the difficulty of becoming familiar with the basic theories and applications: the area is not covered in any undergraduate or graduate scientific curriculum. The present work commences with a history of tribology and micro/nanotribology, followed by discussions of instrumentation, basic theories of friction, wear and lubrication on nano- to microscales, and their industrial applications. A variety of research instruments are covered, including a variety of scanning probe microscopes and surface force apparatus. Experimental research and modelling are expertly dealt with, the emphasis throughout being applied aspects.

Springer Book Archives



**213,99 €**

199,99 € (zzgl. MwSt.)

*Lieferfrist: bis zu 10 Tage*

---

**Artikelnummer:** 9780792343868

**Medium:** Buch

**ISBN:** 978-0-7923-4386-8

**Verlag:** Springer Netherlands

**Erscheinungstermin:** 31.01.1997

**Sprache(n):** Englisch

**Auflage:** 1997

**Serie:** NATO Science Series E:

**Produktform:** Gebunden

**Gewicht:** 1191 g

**Seiten:** 676

**Format (B x H):** 160 x 241 mm

