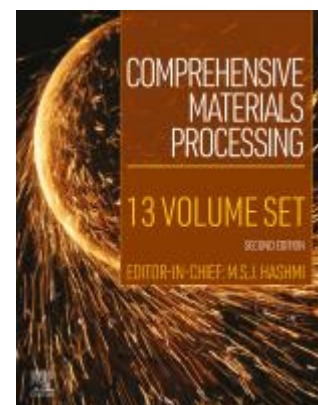


Comprehensive Materials Processing, 2e 綜合材料加工 第二版

Back with a new edition, this outstanding reference provides students and researchers with a one-stop resource in materials processing and manufacturing that they' ll be sure to refer to time and time again

《綜合材料加工》第二版，共 13 冊，鞏固並增強了材料加工和製造領域的最新文獻。本書對將工業材料從原材料狀態轉化為成品零件或產品的所有流程、技術和技巧進行了權威分析。覆蓋範圍包括凝固、粉末、沉積和變形加工。其他討論包括工廠和工具設計、加工技術的分析和表徵、高溫研究以及製程規模對零件特性和行為的影響。

它在前一版本的基礎上進行建構和擴展，包括該領域的最新發展和進步，例如更新的加工技術、成本和特性。這個新版本也將更詳細地探討材料加工的可持續性和環境影響。本書將為工程和材料科學領域以及相關領域的學生、學者和研究人員提供有價值的一站式資源。行業專業人士也將從這項綜合資源中受益。



Key features/ benefits

- Updated to include recent developments in the field, such as updated processing technologies and costs
- Explores sustainability and the environmental impact of materials
- Includes practical tools such as integrated case studies, user-defined process schemata, and multimedia modelling and functionality
- 更新以包括該領域的最新發展，例如更新的加工技術和成本
- 探索材料的可持續性和環境影響
- 包括實用工具，例如整合案例研究、使用者定義的流程模式以及多媒體建模和功能
- 透過將最重要和最成熟的資訊整理成一個具有一致格式章節的簡明資源，最大限度地提高研究效率

What problem does this MRW solve?

Engineers and future engineers face an increasingly complex field with the advent of sophisticated technologies and devices, and multiple alternative options outside basic or more-familiar processes. The new and revised edition of this Comprehensive again grounds readers in a detailed general understanding about different materials and aspects of their processing. It then goes beyond that foundational layer of knowledge by also identifying key advancements which are attracting further research and discussing, in a balanced way, the advantages and disadvantages of different production

processes. As such the work is a crucial tool for researchers and students looking for all the vital information in this field in one place, bridging the gap between textbooks and journals.

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- Thermal Engineering of Steel Alloy Systems
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articles

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- New processing technologies
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