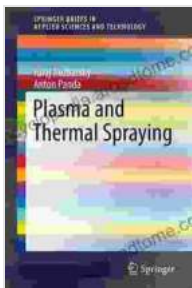


Plasma and Thermal Spraying: Unleashing the Potential of Advanced Materials

Plasma and thermal spraying are advanced surface engineering techniques that have revolutionized the way we design, manufacture, and repair materials.



Plasma and Thermal Spraying (SpringerBriefs in Applied Sciences and Technology)

★★★★★ 5 out of 5

Language : English
File size : 4693 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 158 pages



These processes utilize high-temperature plasmas or flames to deposit a wide range of materials onto various substrates, creating coatings with unique properties that enhance performance and extend lifespan.

This comprehensive book provides a deep dive into the fundamental principles, cutting-edge technologies, and diverse applications of plasma and thermal spraying.

With its expert insights and in-depth coverage, it empowers readers to harness the full potential of these transformative processes in a multitude of industries.

Key Features

- Covers the latest advancements in plasma and thermal spraying technologies
- Provides comprehensive insights into the fundamentals of these processes
- Explores the wide range of materials used in plasma and thermal spraying
- Highlights the critical parameters that influence coating properties
- Discusses the characterization techniques used to evaluate coating performance
- Showcases the diverse applications of plasma and thermal spraying in aerospace, automotive, energy, and biomedicine

Target Audience

This book is an indispensable resource for:

- Researchers in materials science and engineering
- Practitioners in the plasma and thermal spraying industry
- Graduate students in materials engineering
- Engineers in aerospace, automotive, energy, and biomedicine

About the Authors

The book is authored by a team of renowned experts in plasma and thermal spraying.

Their combined expertise ensures a comprehensive and authoritative treatment of the subject matter.

Additional Resources

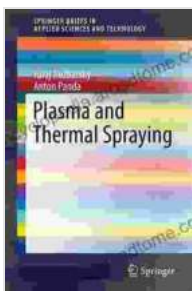
To learn more about plasma and thermal spraying, please visit the following resources:

- ASM International
- Thermal Spray Society
- SpringerLink

Plasma and thermal spraying are powerful tools that enable the creation of advanced materials with exceptional properties.

This book provides a comprehensive guide to these transformative technologies, empowering readers to harness their full potential in a wide range of industries.

Whether you are a researcher, practitioner, or student, this book is an invaluable resource that will enhance your understanding and expertise in plasma and thermal spraying.



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