Research Insights

Using Lasers as Safe Alternatives for

Adhesive Bonding
Emerging Research and Opportunities

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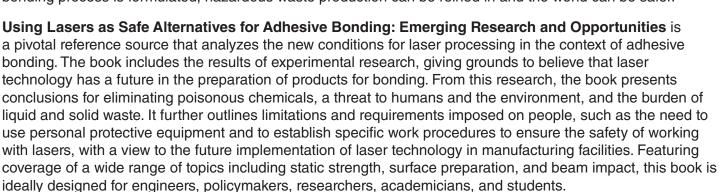
Part of the Advances in Chemical and Materials Engineering Book Series

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Description:

Technology has brought about the age of convenience, but at a hefty cost. As a result of a growing production demand on a global scale, adhesive bonding operations also generate a huge amount of hazardous waste. Adhesive bonding, an integral step in manufacturing across several sectors, is one of many culprits of the unprecedented overproduction and environmental burden of municipal, industrial, and hazardous waste. If a cleaner, greener





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Topics Covered:

Adhesive Mixtures
Application in Production
Beam Impact
Construction Materials
Environmental Effects
Future Applications

Human Aspects
Static Strength
Surface Geometrical Structure
Surface Preparation
Technological Methods

Subject: Science and Engineering

Readership Level: Advanced-Academic Level

(Research Recommended)

Classification: Research Insights

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers;

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