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| Soggetti                | Magnesium alloys<br>Electronic books.  |
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| Note generali           | Description based upon print version of record.  |
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| Nota di contenuto       | <ul> <li>Magnesium - Alloys and Technology; Preface; Content; 1 The Current<br/>State of Technology and Potential for further Development of<br/>Magnesium Applications; 2 Die-Casting Magnesium; 3 Vacuum Die-<br/>Casting of Magnesium Parts with High Pressure; 4 Squeeze-Casting and<br/>Thixo-Casting of Magnesium Alloys; 5 Deformation of Magnesium; 6<br/>Manufacturing and Potential of Extruded and Forged Magnesium<br/>Products; 7 High-Temperature Properties of Magnesium Alloys; 8 High-<br/>Tech Machining of Magnesium and Magnesium Composites; 9 Joining<br/>Magnesium Alloys</li> <li>10 Rapid Solidification and Special Processes for Processing Magnesium<br/>Alloys11 Fibre-Reinforced Magnesium Composites; 12 Particle-<br/>Reinforced Magnesium Alloys; 13 Corrosion and Corrosion Protection<br/>of Magnesium; 14 Magnesium Corrosion - Processes, Protection of<br/>Anode and Cathode; 15 Nickel-Phosphor Alloy Coatings for Magnesium<br/>without External Current; 16 Recycling of Magnesium Alloys; Index</li> </ul> |
| Sommario/riassunto      | The need for light-weight materials, especially in the automobile industry, created renewed interest in innovative applications of magnesium materials. This demand has resulted in increased research   |

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and development activity in companies and research institutes in order to achieve an improved property profile and better choice of alloy systems.Here, development trends and application potential in different fields like the automotive industry and communication technology are discussed in an interdisciplinary framework.