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Nota di contenuto	Front Cover; Microforming Technology; Copyright Page; Contents; Foreword; Preface; I. Introductory Overview; 1 Fundamentals of Microforming; 1.1 Microforming Concept; 1.2 Microforming System; 1.3 Microforming Methods and Processes; 1.3.1 Micro Rolling; 1.3.1.1 Micro Cross Wedge Rolling; 1.3.1.2 Micro Flexible Rolling; 1.3.1.3 Micro Ultrathin Strip Rolling; 1.3.2 Micro Deep Drawing; 1.3.3 Micro Hydromechanical Deep Drawing; 1.3.4 Micro Bending; 1.3.5 Micro Compression; 1.3.6 Other Microforming Methods; References; 2 Size Effects in Microforming; 2.1 Categories of Size Effects 2.2 Problems Caused by Size Effects 2.2.1 Size Effects on Mechanical Behavior; 2.2.2 Size Effects on Tribology; 2.2.3 Size Effects on Scatter of Material Behavior; 2.3 Strategies for Control of Size Effects; 2.3.1 Microforming at Elevated Temperatures; 2.3.1.1 Warm Forming; 2.3.1.2 Characteristics of Microforming at Elevated Temperatures; 2.3.1.3 Heating Methods in Microforming; 2.3.2 Microstructural Refinement; References; II. Theory of Microforming; 3 Scaling Laws; 3.1 Introduction; 3.2 Scaling in Geometry; 3.2.1 Scaling of Length and Area in Two-Dimensional Geometry 3.2.2 Scaling of Surface Area and Volume in Three-Dimensional Geometry 3.3 Scaling in Dynamics; 3.3.1 Scaling in Dynamic Force; 3.3.2 Scaling in Work and Power; 3.3.3 Scaling in Energy; 3.4 Scaling in Mechanics; 3.4.1 Scaling in Bending Moment; 3.4.2 Scaling in

Deflection and Stiffness; 3.5 Scaling in Hydrodynamics; 3.6 Scaling in Heat Transfer; 3.6.1 Scaling in Heat Conduction; 3.6.2 Scaling in Heat Convection; 3.6.3 Scaling in Heat Radiation; 3.7 Scaling in Electromagnetic and Electrostatic Forces; 3.7.1 Scaling in Electromagnetic Force; 3.7.2 Scaling in Electrostatic Force 3.8 Scaling in Electricity4 Strain Gradient Plasticity Theory; 4.1 Introduction; 4.2 Couple Stress Theory; 4.3 Phenomenological Strain Gradient Plasticity Theory; 4.4 Mechanism-Based Strain Gradient Plasticity Theory; 4.5 Conventional Theory of Mechanism-Based Strain Gradient Plasticity; References; 5 Crystal Plasticity Theory; 5.1 Introduction; 5.2 Crystal Plasticity Theory; 5.2.1 Geometrics and Kinematics of Crystal Plastic Deformation; 5.2.2 Rate Independent Crystal Plasticity Constitutive Equation; 5.2.3 Rate Dependent Crystal Plasticity Constitutive Equation 5.3 Simplification of Rate Dependent Crystal Plasticity Theory5.3.1 Decomposition of the Crystal Plastic Deformation Gradient; 5.3.2 Elastic Constitutive Equation; 5.3.3 Flow Rule of Plastic Deformation; 5.3.4 Equation of Kinematics; 5.3.5 Hardening Law; 5.3.6 Models of Polycrystal Homogenization; 5.3.6.1 Taylor Averaging Procedure; 5.3.6.2 Finite Element Averaging Procedure; 5.4 Numerical Integration of Rate Dependent Crystal Plasticity Theory; 5.4.1 Total Lagrangian Formulation; 5.4.2 Fully Implicit Integration Procedure; 5.5 Calculation of Grain Orientation

Sommario/riassunto

Microforming Technology: Theory, Simulation and Practice addresses all aspects of micromanufacturing technology, presenting detailed technical information and the latest research developments. The book covers fundamentals, theory, simulation models, equipment and tools design, practical micromanufacturing procedures, and micromanufacturing-related supporting systems, such as laser heating system, hydraulic system and quality evaluation systems. Newly developed technology, including micro wedge rolling, micro flexible rolling and micro hydromechanical deep drawing, as well as traditional methods, such as micro deep drawing, micro bending and micro ultrathin strip rolling, are discussed. This will be a highly valuable resource for those involved in the use, study and design of micro products and micromanufacturing technologies, including engineers, scientists, academics and graduate students. Provides an accessible introduction to the fundamental theories of microforming, size effects, and scaling laws Includes explanations of the procedures, equipment, and tools for all common microforming technologies Explains the numerical modeling procedures for 7 different types of microforming

2. Record Nr.	UNISALENTO991004145179707536
Autore	Bonistalli, Edo
Titolo	Prevenzione e trattamento della dislessia : un lavoro nelle prime classi in collaborazione con il gruppo fiorentino MCE / Edo Bonistalli
Pubbl/distr/stampa	Firenze : La nuova Italia, 1996
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Descrizione fisica	86 p. : ill. ; 19 cm.
Collana	Didattica viva ; 27
Disciplina	371.914 4
Soggetti	Fanciulli dislessici - Educazione
Lingua di pubblicazione	Italiano
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3. Record Nr.	UNISALENTO991003122239707536
Autore	Pistillo, Michele
Titolo	Giuseppe Di Vittorio, 1944-1957 : la costruzione della CGIL, la lotta per la rinascita del paese e l'unita dei lavoratori / Michele Pistillo
Pubbl/distr/stampa	Roma : Editori riuniti, 1977
Descrizione fisica	361 p. ; 22 cm
Collana	Biblioteca del movimento operaio italiano ; 58
Disciplina	331.88
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