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Soggetti	Mechanics Mechanics, Applied Manufactures Metals Mechanical engineering Physics Solid Mechanics Manufacturing, Machines, Tools, Processes Metallic Materials Mechanical Engineering Applied and Technical Physics
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fundamental of Metalworking -- Sheet Deformation Processes -- Expert Systems And Artificial Intelligence -- Analysis of the Stamping Design Process -- Artificial Neural Network for Sheet Metal Forming -- Hybrid Intelligent System for Stamping Process -- Advances in Metal Forming Processes -- Fundamentals of Hydroforming -- Hydroforming for Enhanced Formability -- Fundamentals of Tailor Welded Blanks.
Sommario/riassunto	This comprehensive book offers a clear account of the theory and applications of advanced metal forming. It provides a detailed

discussion of specific forming processes, such as deep drawing, rolling, bending extrusion and stamping. The author highlights recent developments of metal forming technologies and explains sound, new and powerful expert system techniques for solving advanced engineering problems in metal forming. In addition, the basics of expert systems, their importance and applications to metal forming processes, computer-aided analysis of metalworking processes, formability analysis, mathematical modeling and case studies of individual processes are presented.