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Altri autori (Persone)	MerkleinMarion FrankeJorg HagenahHinnerk
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Nota di contenuto	WGP Congress 2013; Preface, Committees and Acknowledgements; Table of Contents; Chapter 1: Assembly; Handling and Fixation of Permanent Magnets; Design of Assembly Systems for Large-Scale Battery Cells; An Integrated Simulation Approach to the Development of Assembly System Components; Numerical Analysis of the Manufacturing Impact on Magnetic Stray Fields at Electromagnetic Actuators; Development of a Self-Learning, Automatic Parameterisation of an Aerodynamic Part Feeding System Planning and Simulation of High-Voltage Energy Storage Assembly for Automotive Industry - from Scalable Product Concepts via Assembly Planning and Material Flow Simulation through to Web-Based Assembly InformationChapter 2: Cutting and Grinding; Micromachining of CP-Titanium on a Desktop Machine - Study on Bottom Surface Quality in Micro End Milling; Influence of Solid Contaminants in Metal Working Fluids on the Grinding Process; A High Resolution Surface Model for the Simulation of Honing Processes; Waterjet Turning of Titanium Alloys

A New Method for the Preparation of Cutting Edges via Grinding Hot Machining; Utilisation of the Forging Heat for Efficient Turning at Elevated Temperatures; Numerical Investigations on Cutting of Dual-Phase Sheet Steel with an Emphasis on Material Damage at the Cut Edge; Quantitative Microstructural Analysis of Nanocrystalline Surface Layer Induced by a Modified Cutting Process; Cutting of Nickel-Based Superalloys with Rotating Indexable Inserts; Polishing Process of Ceramic Tiles - Variation of Contact Pressure; Low Frequency Vibration Assisted Drilling of Aluminium Alloys
Analytical Modelling of Temperature Distribution Using Potential Theory by Reference to Broaching of Nickel-Based Alloys
Deburring of Cross Holes in Titanium Using Industrial Robots; Chapter 3: Forming; Investigations on Orbital Forming of Sheet Metals to Manufacture Tailored Blanks with a Defined Sheet Thickness Variation; Influence of Material Model Parameters on the Prediction of Bending Loads in Sheet Metal Forming Simulation; Process Window for Forming of Micro Preforms at Different Temperatures; Geometrical variations of tubes and their impact on freeform bending processes
Formability of an Anti-Fingerprint Coating Considering the Corrosion Behavior of the Stainless Steel Substrate
Investigation of the Beginning of Plastic Yielding and the Hardening Behaviour under Biaxial Tension; Continuum Damage Mechanics (CDM) Based Local Approach to the Sheet-Bulk Metal Formability Prediction; Electromagnetic Material Feeder for High Speed Rates; Thermal Influences on Deep Drawing Process of Ferritic and Metastable Austenitic Stainless Steels; Sheet-Bulk Metal Forming of Symmetric and Asymmetric Parts
Properties of Friction Stir Welded Blanks Made from DC04 Mild Steel and Aluminum AA6016
