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	Titolo	Engineering solutions for manufacturing processes V : selected, peer reviewed papers from the 2014 5th International Conference on Advances in Materials and Manufacturing, (ICAMMP 2014), December 20-21, 2014, Fuzhou, China / / edited by Zhengyi Jiang and Xianghua Liu
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	Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volume 741
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	Soggetti	Manufacturing processes
	Lingua di pubblicazione	Inglese
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	Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
	Nota di contenuto	Engineering Solutions for Manufacturing Processes V; Preface and Committee; Table of Contents; Chapter 1: Designing and Dynamic Analysis of Machines and Mechanical Structures; Design of the Clamping Mechanism on Welding Equipment in Hot Chamber; Design and Research of Vortex-Tube-Ice-Storage System Used in Refuge Chamber; Design and Simulation Analysis of Ultrasonic Rolling Horn; Design of Intelligent Garbage Can; Design of the Blades of Small Horizontal Axis Wind Turbines; Designing Requirement of Spring and MR Damper for New Type Baby Car Seat
Dynamic Response Analysis of Mistuned Space Flexible Mechanism Dynamic Studies on the Recurve Bow; Green Manufacturing Environment of Straw Packaging Container Extrusion Mechanism Design; On Adaptable Design for SCARA Manipulator with Quick-Replaceable Arms; Optimization Research of the Developing Machine Structure Based on Fluent; Parameters Optimization of PVB Laminated Glass Based on Pedestrian Head Protection; Preliminary Research on Connecting Strategy between Back-Up Structure and Alidade for 110-m QitTai Radio Telescope; Research on Carrot Automatic Sorting Machine Research on Innovation Design of Air Filter Mould Based on Field-

Substance Analysis Structure Analysis of Toss Feeding Stalk Baler; The Designation of a New Kind of Green Streetcar Based on Virtual Tracks and Key Technologies; The Failure Analysis and the Innovative Design of Hammer Head on Hammer Crusher Based on TRIZ Theory; Calculation and Analysis on Drag Torque of the Wet Clutch; The Variable Cross-Section Rotary Dynamic Seal and its Application; Design and Simulation of New Tooth Profile of Flexspline for Harmonic Gear Drive

The Forced Vibration Analysis of Beams Based on a Time-Domain Differential Quadrature Method Chapter 2: Mechanical Strength and Reliability; An Analytical Study of the Structural Integrity of an LPG Storage Tank under Wind Load; Elastoplastic Analysis and Optimization Design for the Tube Channel End of Screw Lock Closure Type Heat Exchanger; Fatigue Life Prediction of the Rocket Engine's Pipeline under Random Loads; Hoist Sheave Structure Optimization and Lightweight; Influence of Side-Pressure Coefficient on Deformation of Tunnel Surrounding Rock and Bolt Axial Force

Mechanical Analysis and Experimental Research of Working in the Earth Helical Blade Model of a Constructive Functional Optimization of the Cardan Cross; Research on the Influence of Tension and Compressive Fatigue Load on the Corrosion Coefficient of Parking on the Ground; Six-Axis Folding Frame Structure Design and Research; The Crankshaft Strength Checking Simulation Based on ANSYS; The Modal Analysis of Herringbone Gear Assembly; The Strength Analysis of Pre-Tightening Force on Covering Pipe-Ear; Performance Study for T-Stub Considering the Bending Capacity of Bolt

Cutting Roof Roadway Parameter Optimization Simulation Analysis

Sommario/riassunto	Collection of selected, peer reviewed papers from the 2014 5th International Conference on Advances in Materials and Manufacturing, (ICAMMP 2014), December 20-21, 2014, Fuzhou, China. The 168 papers are grouped as follows: Chapter 1: Designing and Dynamic Analysis of Machines and Mechanical Structures; Chapter 2: Mechanical Strength and Reliability; Chapter 3: Practice of Computer-Aided Designing and Modeling; Chapter 4: Measurements, Testing and Diagnosis, Processing of Image and Data; Chapter 5: Vibration and Noise in Engineering; Chapter 6: Thermal Conductivity and Thermal Analysis; Chapter