

Acta Tecnología - International Scientific Journal

ABSTRACTS

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NEW SUPPLY CHAIN CONCEPTS, FLEXIBILITY AS A KEY PARAMETER OF AGILE SUPPLY CHAINS

(pages 1-5)

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Keywords: Supply chain, Manufacturing system, Lean, Agile, Flexibility

Abstract: Optimization of supply chains results new models, concepts of value chains and new organization and cooperation forms of members. Nowadays growing market globalization, increasing global competition, more and more complex products requires new production technologies, methods and processes. The product life cycle is getting shorter and shorter, the complexity of final products is increasing and new customer demands require efficient operation of supply chains. Usually three new supply chain concepts are used, the lean, the agile and leagile supply chains. Different manufacturing systems are using these chain concepts, Dedicated Manufacturing Lines (DML) are using lean, Flexible Manufacturing Systems (FMS) agile and Reconfigurable Manufacturing systems. We also give an overview of flexibility constraints as an important requirement of nowadays manufacturing, applied in agile supply chains.

MATERIAL AND ECONOMICAL ASPECT OF SOME PLASTICS USING IN AUTOMOTIVE INDUSTRY

(pages 7-10)

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Keywords: plastics, composite, automotive, material, industry

Abstract: Plastics, plastics composites are used for lighter construction vehicles, where they provide support, the corresponding for these progressive approaches constitute the main article for in design-oriented styling, interior car design support according to detailed customer requirements. Using plastics materials in th automotive industry is focused on active and passive safety of vehicles and passangers of course, optimizing aerodynamics, noise reduction, ecology and recycling.



ABSTRACTS

URBAN WIND TURBINES AND THE POSSIBILITY OF THEIR USE IN SLOVAKIA

(pages 11-16)

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Keywords: small wind power devices, urban wind turbines, wind speed, intensity of turbulencet

Abstract: Small wind turbines are specially designed for the built environment and can be placed on buildings, embedded in buildings or freestanding on the ground next to buildings. This means that the turbine is designed for the wind in the built environment and withstands the impact of wind and turbulence and that the shape and size of the turbines have been designed to meet the visual conditions of surrounding buildings with the environment in mind. Its purpose is to generate clean emission-free energy for homes, offices, schools, and the like. Thanks to this simple and increasingly popular technology, turbine owners can produce their energy and save not only money but also the environment.