System approach to the mass production improvement

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Abstract

© 2018, Springer International Publishing AG. The ways of increasing the efficiency of production processes in automotive industry are presented in the article. These ways can be realized by modern optimization methods and tools. Analysis of activity of enterprises implementing strategies of production development, shows that only comprehensive solutions can lead to real improvements. The results of simulation experiments revealed the best combination of input factors values that helped to improve each of factors, compared to existing solutions.

Keywords

Assembly line, Mass production, Modeling, Optimization of technological processes, Simulation, System approach

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