

Reasoning the necessity of lean systems's application for improving the efficiency of enterprises

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In the article, on the example of manufacturers of goods for children's creativity, justifies the feasibility of using lean production systems to increase their efficiency. On the base of brief description of the market's tendencies, the authors provide development prospects of the enterprises producing children's creativity goods in Ukraine.

The materials describe the essence of the lean production concept and provides a comparison of its main systems such as Total Productive Maintenance, 5S, Single-minute exchange of die, Kaizen, Kanban, Just in time, Poka-yoke. In addition, on the bases of provided characteristics, the goals of each system are determined.

Comparison of lean production systems has made it possible to determine how exactly one or another system increases the efficiency of the enterprise's production activity.

In the area of characterizing the activities of enterprises producing children's creativity goods, the authors identify the stages of children's creativity goods production and its points of quality control. The stages of production include gluing, cutting, formation and packaging. Taking into account the peculiarities of enterprises producing children's creativity goods, authors provided recommendations on the feasibility of using each system of lean production and implementation of the lean production concept in general.