

Ways of Formation of Lean High-Tech Manufacturing (in Mechanical Engineering)

M. V. Ershova, V. D. Zharikov, E. L. Dmitrieva

Tambov State Technical University, Tambov, Russia

Keywords: innovation; cluster; labor performance; production; technology.

Abstract: The formation of an innovative economy at industrial enterprises is possible through the implementation of a business product-technological strategy that allows them to master innovations in technology and new types of products, which allows for the formation of lean high-tech manufacturing.

The chain of economic development is proposed: the development of machine-tool industry, mechanical engineering to ensure the needs of the processing sectors of the national economy in new developments in order to timely update the active part of fixed assets for new technologies.

The basis for the formation of a development strategy on an innovative basis is the cluster structure of the sectoral and inter-branch economy, when, within the research and production cluster, new technologies are created and implemented, new equipment is replicated and provided for all processing industries.