

THE IMPACT OF INDUSTRIAL ROBOTICS ON PRODUCTIVITY AND THE LABOR MARKET

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ABSTRACT

The development of industrial robotics and automation is significantly transforming the organization of production processes and business operations in modern companies. The use of robots in manufacturing contributes to higher efficiency, precision, and productivity, while also leading to changes in the labor market.

This paper analyzes the impact of industrial robotics on enterprise productivity and the changes in employment structure resulting from automation. Special attention is given to the economic effects of robot implementation, as well as the challenges related to adapting the workforce to new technological conditions. The focus is on shifts in demand for certain occupations, the need for additional employee training, and the emergence of new jobs connected to digital technologies.

The research is based on analytical, descriptive, and comparative methods, along with a review of domestic and international literature. The results indicate that industrial robotics contributes to the growth of productivity and the competitiveness of companies, but at the same time requires continuous investment in knowledge development and adaptation of the labor market to modern technological changes.

Keywords: Industrial robotics, automation, productivity, labor market, digitalization, employment.