

EVALUATION OF MACHINE TOOL PRODUCTION AND MAKING CORRELATIONS REGARDING GLOBAL TRENDS

Ionela-Mădălina ZAMFIR¹, Miron ZAPCIU²

Rezumat: *Societățile se bazează foarte mult pe tehnologie și pe beneficiile pe care aceasta le aduce. Era digitală în care trăim pune mare accent pe crearea de facilități care să le îmbunătățească oamenilor calitatea vieții. Însă nu putem vorbi de aceste facilități fără a lua în calcul sectorul industriei de mașini-unelte fără de care o mare parte din aceste schimbări nu ar fi fost posibile. Importanța tehnicilor și tehnologiilor pe care sectorul mașini-unelte l-a avut asupra progresul tehnologic cunoscut de omenire a stat la baza evoluției și a progresului societăților. Digitalizarea și creșterea economică nu ar fi fost posibilă fără aceste instrumente.*

Abstract: *Companies rely heavily on technology and the benefits it brings. The digital area in which we live considers that the creation of facilities that improve the quality of life is very precious. But we cannot talk about these facilities without taking into account the machine tool sector because without it these changes would not have been possible. The importance of the techniques and technologies that the machine tool sector has had on the technological progress known to mankind has been the basis of the evolution and progress of the companies. Digitalization and economic growth would not have been possible without these tools.*

Keywords: production, machine tools, technology, market, industry

1. Introduction

The emergence and development of machine tools is due to the needs and concerns of people to increase the speed and power of the tools. This need has led to the birth of a new science that includes the methods and means of processing materials in order to achieve a product called "Technology". The term "technology" was formed by combining two ancient Greek terms: techne - art, craft and logos - science. In Romanian, the term was introduced in the first part of

¹ Eng., Faculty of Industrial Engineering and Robotics, Robots and Manufacturing Systems Department, Spl.Independentei 313, sector 6, University "Politehnica" of Bucharest, Romania, (madalina.zamfir95@yahoo.com)

² Prof., corresponding member of Academy of Romanian Scientists, SC INCERTRANS SA Bucharest, University Politehnica of Bucharest, Romania (miron.zapciu@upb.ro)
