

Design of a 3-axis CNC milling machine

Do Tien Ngoc

Abstract: This research aims to meet the development needs of the manufacturing industry in modern production practice by designing a 3-axis CNC milling machine system. Through the application of mechanical and electronic theory, combined with experimentation to determine appropriate technical parameters, the study seeks to build a system with high precision, good performance, and ease of operation. The results of this research will contribute to the development of machine manufacturing technology in Vietnam, while also providing a foundation for training and practical application in enterprises.

Keywords: 3-axis CNC milling machine, Manufacturing industry, Engineering experiment