

Research on CNC technology applied in metal cutting machines using Mastercam software to design and simulate the machining process of parts.

Pham Van Son

Abstract: This topic aims to determine the important role of CNC technology in the manufacturing industry, especially with the support of Mastercam software. The goal is to develop an effective simulation system to optimize the metal machining process, while addressing issues of product accuracy and performance. By integrating research theory with experimentation, the topic hopes to provide useful solutions for manufacturing plants, contributing to the advancement of the manufacturing industry in Vietnam.

Keywords: CNC, Mastercam, Machining simulation, Production process optimization, Metal fabrication