

Design of technological process for machining connecting rods of internal combustion engines on a 3-axis CNC milling machine

Nguyen Dat Manh

Abstract: In the modern context, improving the quality and efficiency of internal combustion engine production is an urgent need. This topic focuses on designing the technological process for machining internal combustion engine connecting rods on a 3-axis CNC milling machine. The main objective is to build an optimized machining process to increase accuracy and reduce manufacturing time. The research method involves applying manufacturing technology theory combined with experiments on a CNC milling machine. The expected results will provide practical solutions for manufacturers to enhance production capacity, while contributing to the development of Vietnam's manufacturing industry.

Keywords: Machining process, 3-axis CNC milling machine, Internal combustion engine