

Design of a DC servo motor control circuit for a CNC drilling machine.

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Abstract: This topic focuses on designing a control circuit for a DC servo motor for a CNC drilling machine, aiming to meet the demand for improving the performance and accuracy of the machining process. The objective is to build a motor control system capable of fast and stable response in complex drilling tasks. The research method includes theoretical technical analysis, electronic circuit design, and experimentation. The expected results of this topic will contribute to the development of automation technology in the field of machine manufacturing, enhancing production productivity and minimizing errors during the machining process.

Keywords: DC servo motor, control circuit, CNC, control system, precision