

Design of a robot arm

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Abstract: This is a study on the mechanical design of a robotic arm, aimed at meeting the increasing demands in the automation industry. The objective of this project is to build a robotic arm system capable of performing various tasks with high precision and good performance. Through a combination of theoretical research and experimental implementation, the project will explore optimal mechanical structures for the ergonomics and working efficiency of the robotic arm. The expected outcome of this project is to provide an advanced design solution for the automation industry, contributing to improved product quality and enhanced production processes.

Keywords: Mechanical design, Robot arm, Automation