

Controlling the robotic arm on the product sorting line

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Abstract: In the context of increasingly developed industrialization and automation, improving production processes through the application of robotic technology has become an inevitable trend. This topic aims to solve the problem of enhancing accuracy and efficiency in the product sorting process by controlling a robotic arm on the production line. Through theoretical and experimental research, the objective of this topic is to build an automatic control system for the robotic arm, in order to optimize the product sorting process. The expected results of this topic will significantly contribute to improving industrial productivity while providing innovative solutions for enterprises in the manufacturing and goods processing sectors.

Keywords: Robot control, Product classification, Automation, Automatic technology, Experimental research