

Building a product classification and packaging system using PLC S7-300 and simulating on Win CC.

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Abstract: In the context of increasingly developing industrial automation, optimizing production processes is an urgent issue. This topic focuses on building a product sorting and packaging system programmed with PLC S7-300 and simulated on Win CC. The objective of the research is to solve the problem of effectively managing the production process through the automation of key stages. The approach is based on a combination of theoretical research on PLC systems and experimental implementation of direct application in the production environment. The expected result is to create a flexible, efficient, and cost-effective solution for businesses, contributing to promoting the automation process in the industry.

Keywords: PLC S7-300, Win CC, industrial automation, product sorting, packaging