

Simulation of a conveyor belt for sorting products by height using PLC S7-1200.

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Abstract: In the process of warehouse and production management, classifying products by height is an important but challenging task. This project aims to research and design an automatic conveyor system capable of classifying products based on height using the PLC S7-1200. Through the experimental process, we identified effective algorithms for controlling the conveyor and the necessary sensors for accurate classification. The results of this project not only provide a modern technical solution but also contribute to the warehouse and production management industry, helping to improve efficiency and accuracy in the product classification process.

Keywords: PLC S7-1200, automatic conveyor belt, product sorting