

Design of control and monitoring system for potato snack production line using PLC S7-300

Lo Minh Hieu

Abstract: In the context of increasing demands for performance and quality in snack production, this topic aims to address the issue of automated production line management through the design of a control and monitoring system using the PLC S7-300. The objective of the research is to build a system capable of optimizing the production process, increasing efficiency, and minimizing errors. The approach includes both theoretical research on industrial automation and experimental implementation on a real system. The expected outcome of this topic is to provide a flexible and effective solution for the snack industry, while contributing to the development of PLC technology in the food processing industry.

Keywords: PLC S7-300, production line automation, potato snack cakes