

Design of control and monitoring for BimBim production line using PLC S7-300

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Abstract: This topic focuses on designing and implementing an automatic control system for the BimBim candy production line using a PLC (Programmable Logic Controller) S7-300. Through theoretical research on automation systems combined with experimental application, the objective of the topic is to improve the performance and reliability of the production process. The research method combines analysis of current technology and design of a new system based on the PLC S7-300. The expected results from this project will contribute to the development of automation engineering in the food processing industry, enhancing productivity and minimizing waste.

Keywords: PLC S7-300, production automation, bimBim, controller, production efficiency