

Building a control and monitoring program for a instant noodle production line using PLC.

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Abstract: This topic aims to research and develop an automation system for an instant noodle production line based on a Programmable Logic Controller (PLC). The context for selecting this topic stems from the practical need to optimize the production process to enhance efficiency and product quality. The research method combines theory with experimentation, focusing on designing the PLC control program and implementing line monitoring. The expected result is a complete automation system, contributing to the promotion of PLC technology applications in the food processing sector in Vietnam.

Keywords: PLC, automation, instant noodle production, production line, food technology