

Control and monitoring of the empty bottle inspection system in the Hanoi bottled beer production line using PLC S7-300

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Abstract: In the beer industry, ensuring the quality of empty bottles plays a crucial role. This topic focuses on designing and implementing an automatic monitoring and control system for an empty bottle inspection machine using the PLC S7-300 in Hanoi's beer production line. Through theoretical research on PLC and experimentation, the goal is to build an effective solution to enhance accuracy and minimize errors in the quality control process of empty bottles. The expected results will significantly improve the productivity and quality of beer products.

Keywords: PLC S7-300, monitoring system, automatic control, beer production line