

Building an automatic beer crate sealing system programmed with PLC S7-200.

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Abstract: In the context of the increasingly demanding food processing industry for efficiency and automation, this topic focuses on building an automatic beer keg filling system using the Structured Control Language (SCL) on the S7-200 PLC hardware. The objective of the research is to develop an optimal technical solution to automate the keg filling process, reduce labor costs, and increase productivity. The approach is based on a combination of theory and experimentation to ensure the system's efficiency and stability. The expected outcome of this topic is to contribute to improving modern beer production processes, while opening up many opportunities for similar applications in other industries.

Keywords: PLC S7-200, automation, beer can sealing