

Building software for controlling and monitoring a wine production line.

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Abstract: This topic aims to research and develop a specialized software system for controlling and monitoring the wine production process. Given the increasing demand for quality and production efficiency in the beverage industry, the application of information technology to the wine production line has become essential. The objective of the topic is to build an automated management system from the ingredient mixing stage to bottling, while ensuring quality and food safety. The research method applied combines software programming theory with experimental deployment in a real production environment. The expected result is that the application of this system will help improve productivity and reduce production costs, while providing important data for the quality management process.

Keywords: control software, process monitoring, information technology, wine production, automation management