

# **Building a control system for an automatic paint mixing machine.**

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**Abstract:** In the context of the increasing use of technology in the paint manufacturing industry, building an automatic control system for paint mixers has become a problem that needs to be solved. The objective of the project is to develop an intelligent control system to optimize the paint mixing process, ensuring quality and production efficiency. The research method includes analyzing traditional methods combined with designing new algorithms. The expected results will provide practical solutions for businesses, contributing to increased productivity and reduced material waste.

**Keywords:** Control system, Automatic paint mixing, Paint manufacturing technology, Process optimization, New algorithm