

Control and monitoring of the conveyor belt weighing system in the laboratory of the Faculty of Automation Technology

Ban Tuan Anh

Abstract: In the context of the need to optimize production processes and enhance control quality in the industry, this topic focuses on building and deploying an automatic monitoring system for the weighing belt conveyor line. The main objective is to develop an intelligent control solution to ensure the accuracy of the product packaging process. The research methodology includes both theoretical and experimental approaches, integrating advanced control algorithms to improve the performance of the weighing belt system. The expected results will bring significant value to industrial practice by enhancing automatic monitoring capabilities and minimizing errors in the packaging process.

Keywords: Automatic control, Weighing belt scale, Line monitoring, Automation technology, Quality control