

Simulation of a DC motor speed control system for conveyor belt and product counting

Pham Thi Hue

Abstract: This topic focuses on researching and implementing a motor speed control system to stabilize the operation of a conveyor belt, along with the ability to count the number of transported products. This addresses issues of work efficiency and production process management in the machinery manufacturing industry. The research method is based on integrating automatic control theory and experimental approaches to build a system model, thereby deploying practical applications. The achieved results will make an important contribution to improving conveyor belt operation techniques and enhancing production productivity.

Keywords: electric motor, automatic control, conveyor belt, product counting, system simulation