

Design of a product color discrimination system using LabVIEW programming language

Truong Ha Viet Anh

Abstract: In modern industrial practice, accurately determining the color of products is an important requirement. This topic focuses on the design and development of a product color discrimination system based on the use of the LabVIEW programming language. The objective of the topic is to build an automation solution to ensure the color quality of products through experimental data inspection methods. The research method includes both theory and experimentation, combining theoretical analysis of color sensors with application deployment on LabVIEW. The expected results will bring high performance in color determination while providing a flexible solution for manufacturers.

Keywords: Color discrimination system, LabVIEW, Color sensor