

Design of an automatic product length measurement module using the NVR - ATE mega 853516 PU microcontroller

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Abstract: This topic focuses on designing and implementing an automatic length measurement system for industrial products. The research context is based on the necessity to improve current measurement performance, where the accuracy and speed of the measurement process can be enhanced through the use of the NVR - ATE mega 853516 PU microcontroller. The objective is to build an automatic measurement system that delivers higher work efficiency while minimizing errors. The research methodology includes both experimentation and application deployment to ensure the feasibility of the design. The expected results will provide a useful solution for industrial manufacturers, elevating the quality of production process control.

Keywords: automatic measurement, microcontroller, NVR - ATE mega 853516 PU, automatic measurement system, accuracy