


Case Study

Development of Automated Vision Inspection System for Two Wheeler Engine Crankshaft

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Received: 24 April 2015 / **Accepted:** 30 June 2015 / **Published online:** 5 August 2015

Abstract

This paper presents an automated vision based measurement system for two wheeler engine crankshafts. The system is able to perform the measurements within an accuracy of $\pm 10 \mu\text{m}$. Two setups are arrived at for measuring different parameters and the measurement software is developed. The results from the vision system are compared with readings from conventional measuring equipments and accuracies achieved are tabulated.

Keywords

Machine Vision – Automation – Inspection – Crankshaft