Abstract

The reliability of the results obtained from instruments calibration is a problem frequently found in the calibration laboratories, especially when these instruments are mechanical and do not have a built-in communication interface. In this case, the time consuming is increased significantly and the calibration may be subject to human error. In this paper, a machine vision based system for automatic calibration of sieve was presented. The proposed equipment joined to the proposed technique showed in the results a reduction of 97% in the spending time for calibration process when compared to the traditional methods with the same accuracy.

References

Index Terms

Computer Science
Artificial Intelligence

Keywords

Calibration  Computer Vision  Sieve  Otsu algorithm.