Image Processing

Research Topics 1998

Intelligent High Accuracy Vision Based Component Identification

Collaborating Organisations:

ANCA Pty Ltd

Objectives

The objective of this project was to investigate high-accuracy identification and measurement of three-dimensional properties from a two-dimensional image.

Expected Outcomes

The expected outcome of the imaging method is accurate identification of cutting tool geometry and parameters. The following feature should be capable of being measured by this system to high accuracy: Tool shank diameter, Number of flutter, Flute length, Land width, Lead, cutter diameter. The following range of tools should be recognised and classified: Square end mills, Ball end mills and Plain drills (with varying point geometry).

Researcher

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