



Case Study

Quality - Implementation of smart scope

Overview

The introduction of a new high volume micro machining project required 100% inspection of the product. Due to the intricacy and size of the part all inspections had to be completed under magnification.

Approach

Because of the volume of parts involved, manually inspecting these components was not feasible. Handling parts of this size and accuracy can also sometimes cause damage to the parts. With this in mind the quality team undertook a project to investigate what alternative possibilities were available and implemented a solution. The same approach was taken with this project as we do with all development projects. User needs were established and then potential options were reviewed and optimum solution selected.

Outcome

Equipment was identified which can measure small complex parts without contact to the part. The speed of inspection resulted in a 16 fold increase in throughput compared to manual inspection. With significant capital investment the smart scope contactless measure system was sourced and implemented. This is the only one of its kind in the country.

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