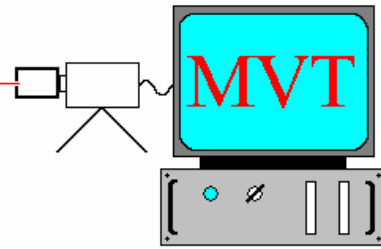


Machine Vision Technology Ltd.



Real Vision for the Real World



Case Study- Correct Stud assembly

- **I.D. of three colours of stud**
- **I.D. of two colours of case**
- **Inspection of position of stud**
- **Inspection of height of stud**

When a automotive manufacturer installed an automated assembly machine it also needed to automate his inspection for identifying faulty products, so they asked Machine Vision Technology to develop a COMPLETE solution that would both improve their quality and fault detection rate.

Thus preventing costly reworks and returns from their customers.

Drawing on 22 years of company experience MVT developed the software and hardware to solve this problem.

There are two stations where cameras are needed each to inspect different stages of assembly, all integrated into the PLC of the assembly machine.

The system must also cater for changes in ambient lighting due to shift working patterns which include night shifts.

The live display on the integral industrialised touch screen also shows the image of the last reject, and stores all reject images against time and date for off line analysis.

The result is a powerful and reliable cost effective inspection machine.

This is available with on site installation commissioning, and twelve months warranty.

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Unbeatable benefit / cost ratio from a company with a proven track record