

## Automated Laser Marking and Verification System for Automotive Parts



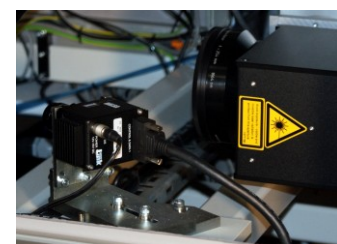
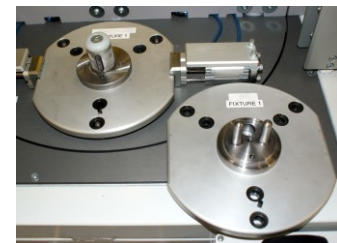
TQC have designed a standard solution for Laser Marking and Verification of parts.

This example integrates a 2-position indexing table with a laser marking system and a vision system for the marking of circular automotive parts around their circumference.

Parts are manually loaded onto tooling at the front station and then transferred through a vertical door around to the processing station.

At the processing station the parts are lifted clear of the tooling and then rotated whilst the laser marker operates and the verification system analyses the markings.

On completion the marked part is rotated back for manual unloading



### Key Features

- Manual part load fixture with interchangeable tooling
- 2-position indexing table with load/unload and laser mark / verification positions
- Laser marking of alphanumeric and 2D Barcode information
- Marking around the circumference with the ability to mark varying diameters of part
- Vision verification of laser marking process
- Integrated extraction system
- PC control
- Full laser standard guarding

