

# FC041 Measuring Devices: Gauges and CMM Requirements, Production & Calibration

## Objectives:

To ensure the requirements for measuring gauges and measuring using the CMM:

- are properly recognised on a timely basis so as to properly address the risk of manufacturing products outside of acceptable and agreed tolerances.
- the necessary resources are made available, built and calibrated to the required specification and quality standard.
- an accurate record of all calibration activity is maintained.
- the frequency of calibration of each item is determined prior to use and calibration is carried out by competent personnel.
- where appropriate calibrations are traceable to a national or international standard.
- the Quality Manager controls calibration.
- are properly recorded on product records and Spec check scores are updated as appropriate.

The requirement for measuring must be considered at:

- Pre and Post Tool Build (New Product Development) meetings,
- whenever a first off is undertaken for a product that does not possess sufficient CMM or FO spec check status
- following a concern (internal or external) about the product which could be controlled through the use of measurement.

