



# CRA BULLETIN

Issue 33 – 1 March 2007

Signed: \_\_\_\_\_ Dated: \_\_\_\_\_

---

---

## CALIBRATION RECOMMENDATIONS FOR 3D MEASURING EQUIPMENT AND FIXED JIG ALIGNMENT SYSTEMS

The range of measuring and straightening equipment available to the New Zealand collision repair industry has broadened over the past few years. Each manufacturer has recommended timeframes for the servicing, checking and calibration of their machines.

Previous bulletins have specified the recommended calibration requirements for a number of different measuring equipment manufacturers. This has in some cases been subjective simply due to the amount of use, or lack of use some equipment is exposed to.

For a medium to large workshop undertaking predominantly collision repairs, many of a structural nature, it would be expected that the measuring equipment would be subjected to high usage. This naturally means there is a possibility of a higher wear factor and the susceptibility to damage during use.

On the other hand a small to medium workshop performing few structural repairs is less likely to require the same level of equipment servicing.

Three Dimensional Measuring Equipment is critical in the repair process in returning an accident damaged vehicle back to within the tolerances accepted by its manufacturer. **Therefore it is the recommendation of CRA** that all measuring equipment should be checked and calibrated by its manufacturer or supplier within reasonable timeframes dependant on its level of use.

Naturally a high use shop may require equipment calibration on an annual basis or even earlier should the machine have been subjected to possible damage or misuse. Likewise a low use, well-maintained machine may only require calibration every three years or even longer (not recommended).

Fixed jig and universal jig alignment systems should be treated in a similar way to measuring systems. Dependant on their level of use and operator care there may be a necessity to have this type of equipment checked for damage at reasonable intervals to ensure its ongoing accuracy.

As part of the Membership Liaison Officers inspection, he will be noting the last calibration date on your inspection sheet.