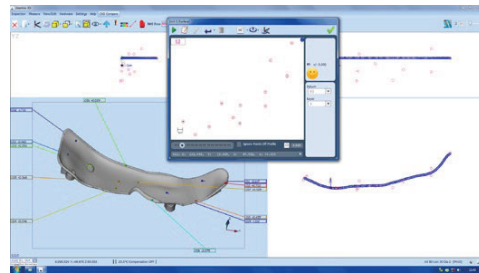
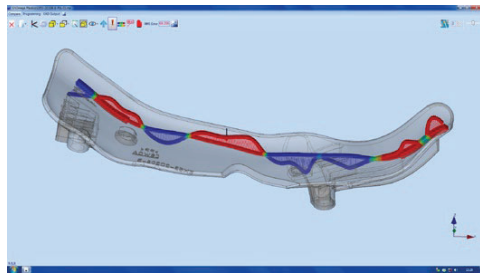
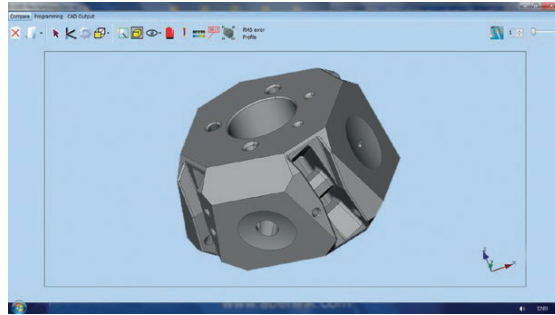


## CAD COMPARISON SOFTWARE MODULE

The Aberlink CAD Comparison software module enhances Aberlink 3D with the capability to compare measured points to a CAD model. Often this will be the only way to measure complex parts, or perhaps sometimes drawings for the component simply don't exist.

Powerful alignment routines allow measurement points to be best-fitted to the model. Colour coded errors can then be displayed on the model to produce both graphical and tabulated reports that are extremely clear and very easy to understand.

Aberlink's CAD comparison module allows the input of either STEP or IGES files as standard and allows reports to be exported as an Excel spreadsheet. It really does make measuring complex parts easy, whether on a manual or CNC CMM.



### CAD Formats

- IGES and STEP import and export
- DXF export
- Re-scale models
- Simple measurement of complex parts

### Alignments

- Point cloud best-fit
- Feature best-fit
- Best-fit constraints
- Graphical and tabulated reports
- Export to Excel

### Report Formats

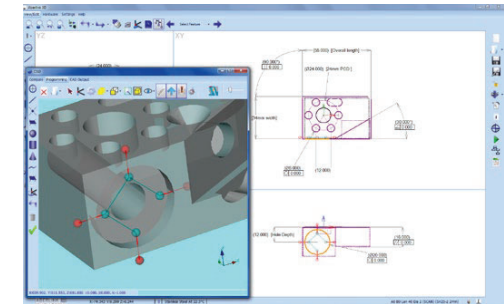
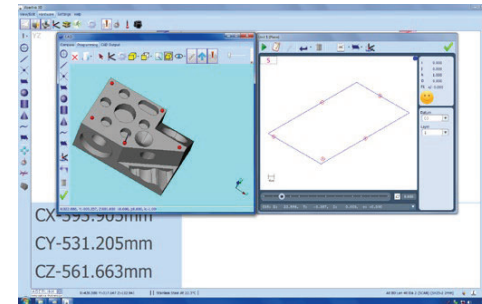
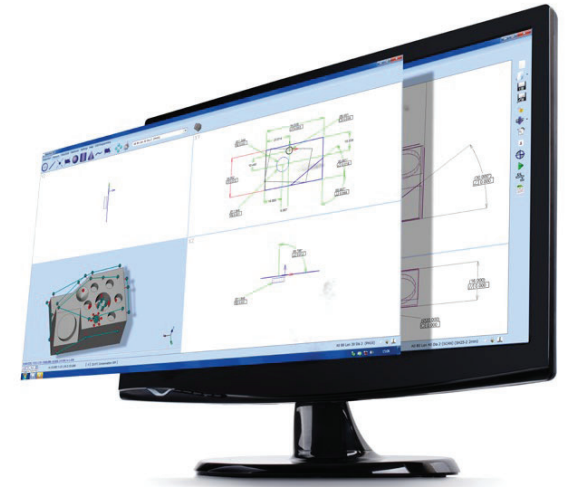
- On CAD fly-out labels
- Colour deviation whiskers
- Colour point markers
- Configurable colour options
- Combine multiple views
- Graphical and tabulated reports
- Export to Excel

## PROGRAMMING FROM CAD SOFTWARE MODULE

For many years Aberlink 3D software has been setting the industry standard for both ease of use and speed of programming. However, until now this has been best done by using the teach-and-repeat method of programming when measuring a component. But what if you want to prepare the measurement programme before you even have the first component? Introducing our CAD Programming module, which in true Aberlink fashion, allows the simplest programming possible from either an IGES or STEP CAD model.

If you can use Aberlink 3D software then you will already know how to use the CAD Programming module – it couldn't be easier. Rather than taking measurement points on a component, you can now just click on the surface of the model where you would like the points to be taken.

Feature Predict works in the same way as when measuring. For instance, if you click in four places on the same plane on the model, then the software will automatically create a Plane Measure unit with those four points in it. Then click on a different feature and it will automatically close the plane window and look for another feature. If you click on a circular feature it will take just one click to produce a circle or two clicks for a cylinder. Suddenly programming in Aberlink 3D just got even easier!



### DID YOU KNOW?

The Programming from CAD module allows programmes to be created away from the CMM so the machine is free to measure other parts. You don't even need a part to create a program - just the model.