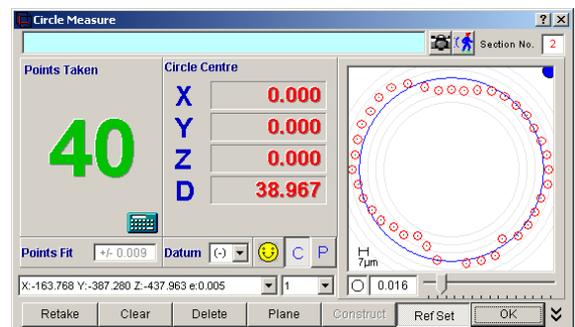
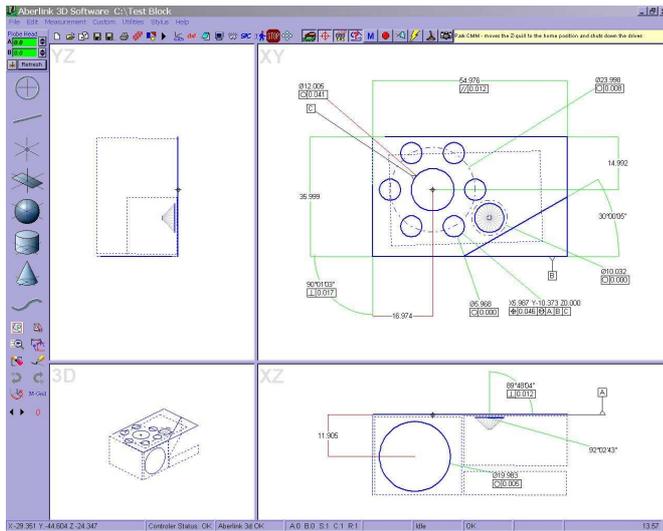


Aberlink 3D - making measurement as easy as can be...

Aberlink 3D is the very latest geometric measurement software designed around a graphical interface, not just with graphics added on. Aberlink 3D can be used on manual or CNC machines, can be used for 2-dimensions or 3- dimensions and is equally at home when used with either probing systems or vision.

The user software is revolutionary, as it builds up a picture of the component being inspected on the computer screen. Dimensions can be 'picked off' the picture in a way that corresponds directly to the way the component has been dimensioned on the drawing.



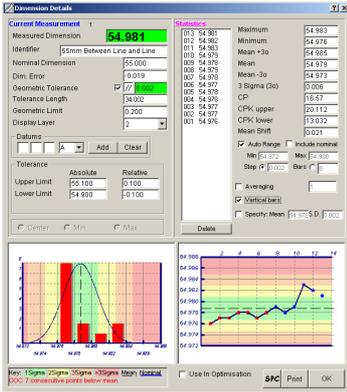
Inspection reports can be in the form of fully dimensioned graphical representations as created on the screen, or tabulated reports in various formats that can show nominals, tolerances, errors, pass/fails, geometric tolerances etc. These reports can also be outputted as an Excel spreadsheet.

Identifer	Dimension	Dim.	Units	Level	Pass/Fail	Actual	Level	Pass/Fail
Overall Length (incl. AF's)	55.000	54.974	-0.024	05.000	54.960	FAILS	0.012	0.200
15mm Between Circle and Line	15.000	14.992	-0.008	14.000	14.980	FAILS		
30° Angle between Faces	90°0'00"	89°59'00"	-0°0'00"	30°0'00"	29°59'00"	FAILS		
Circle Chord width	15.000	15.000	0.000	15.000	15.000	FAILS		
7mm Hole Position (incl. H/A)	17.000	16.974	-0.026	17.000	17.000	FAILS		
30° Angle of Cone to Plane	90°0'00"	89°48'04"	-0°11'56"	90°0'00"	89°50'00"	FAILS	0.012	0.200

Further reports are available to show the form of features (roundness, straightness etc.), hole or point positions, or complete batch results on one report.

The User's Company name also appears on all output.

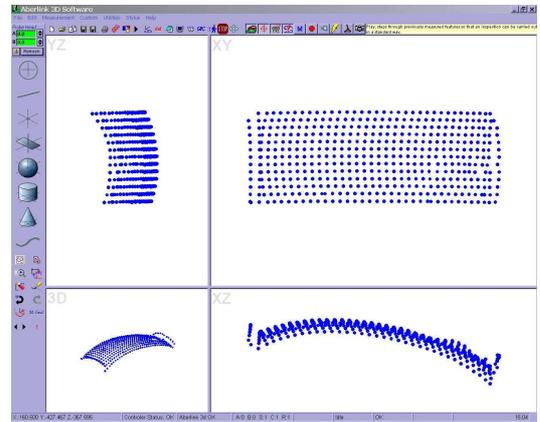
Every time a component is inspected (whether in manual or CNC software) a program for measuring subsequent components is automatically created. In CNC mode the software automatically calculates 'safe' moves between features, even when the probe is indexing – just another thing that the operator doesn't have to worry about! Parts can also be programmed off-line, by typing in the size and position of features.



The Aberlink 3D software will also display SPC batch information for multiple components. Information given includes maximum value in batch, minimum value, 3-sigma, CP value, CPK (Upper & Lower) mean shift and also plots two different customisable charts of the batch data.

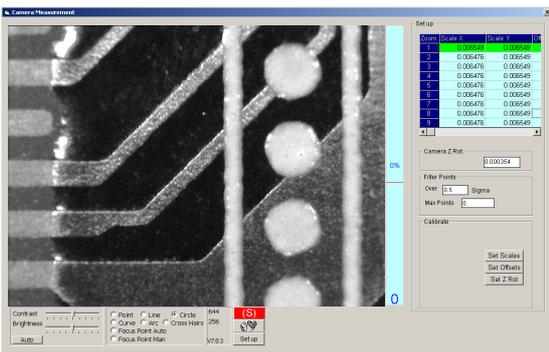
The software has been designed to be extremely intuitive. The Feature Select option will automatically detect the type of feature being measured and even knows when the user has finished one feature and moved on to another.

The Array function allows a program to be created by copying features into a ring or grid array. Erase, Undo and Redo functions take away any



worry about making mistakes. Operator help is available via tool tips on all command buttons. Also Geometric tolerancing is available on all features and measurements. The software is extremely easy for the first time user to pick up – If you can read a drawing you can use Aberlink 3D.

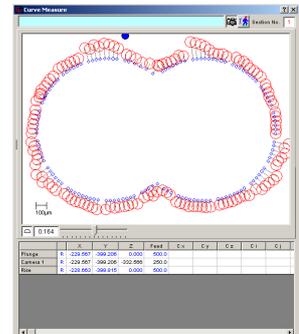
As well as being able to measure all common geometric features, the Aberlink 3D software also offers a digitising function, allowing the CMM to take point information over a complex surface. In CNC mode the user simply defines an area and step size and the software will automatically handle changes in surface gradient.



When working with vision systems the software offers a fully automated edge detection functionality.

The settings menu allows the user to configure the software to their needs: features include metric or imperial, angles as degrees, minutes and seconds or decimal, default tolerances, decimal places, temperature compensation etc. etc.

Rotate or shift alignments to suit customer drawing i.e. Car-Line or GDT.



The Aberlink 3D software allows import and export of data to CAD in DXF format, either for fast off-line programming or reverse engineering purposes. Measured data can be automatically aligned with and compared against a DXF file and deviation from the nominal reported as a profile of a surface.

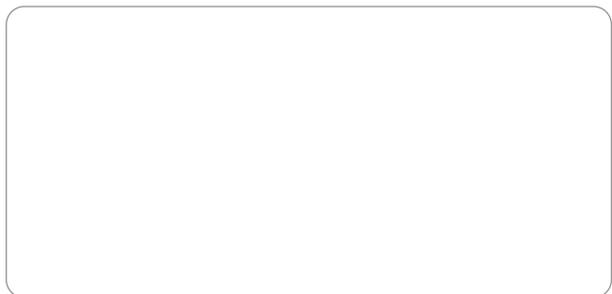
'Smiley Face' operator guidance for form error – warns the user if the form for any given feature deviates from a user defined tolerance.

Aberlink 3D software is not only way ahead of its competition in being the industry standard for 'Easy to Use' software, but also has the depth of functionality to make it the choice for either occasional users or full time inspection professionals.

For more information visit

www.aberlink.com

or contact your local Aberlink representative.



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