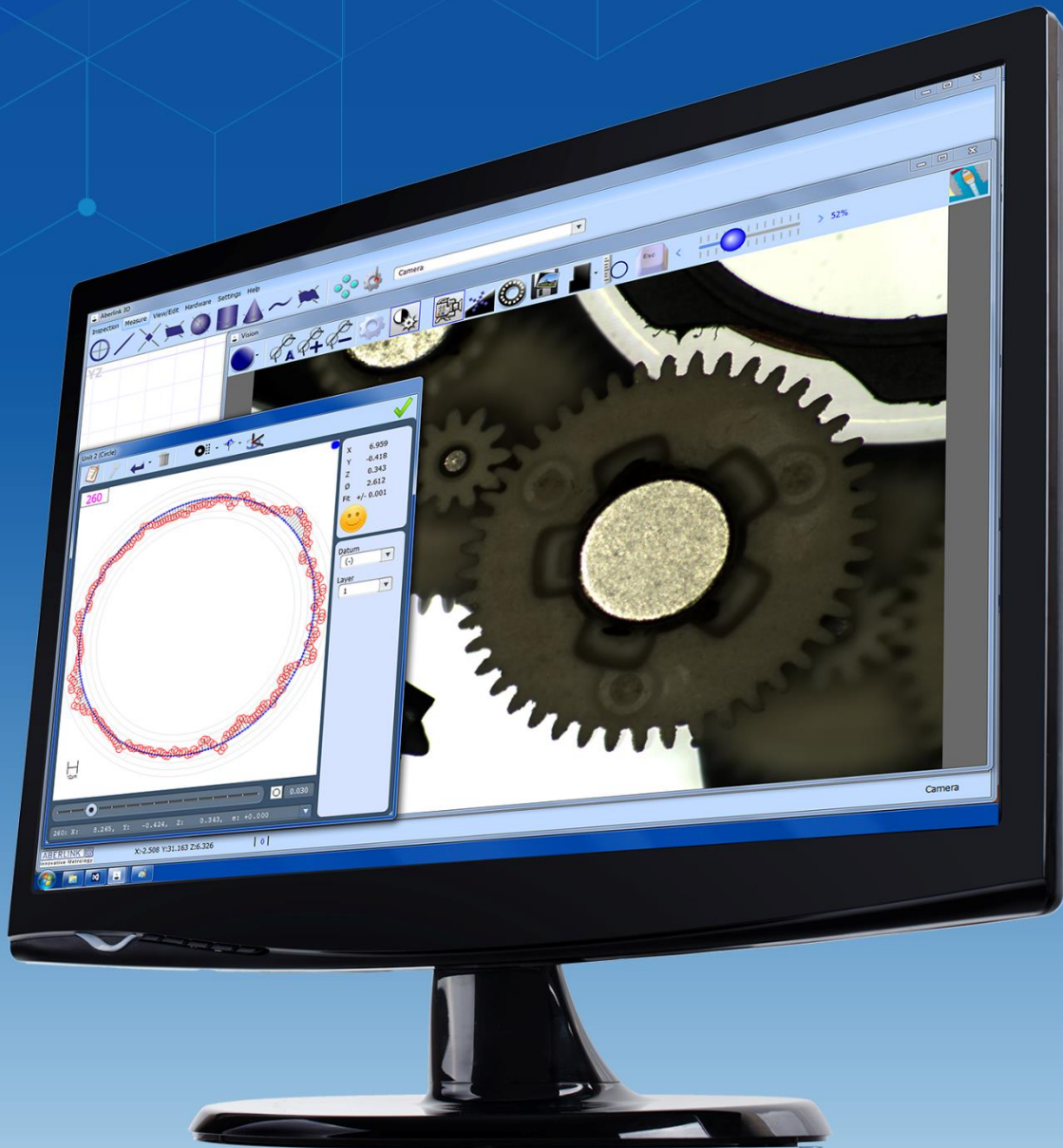


Vision Software

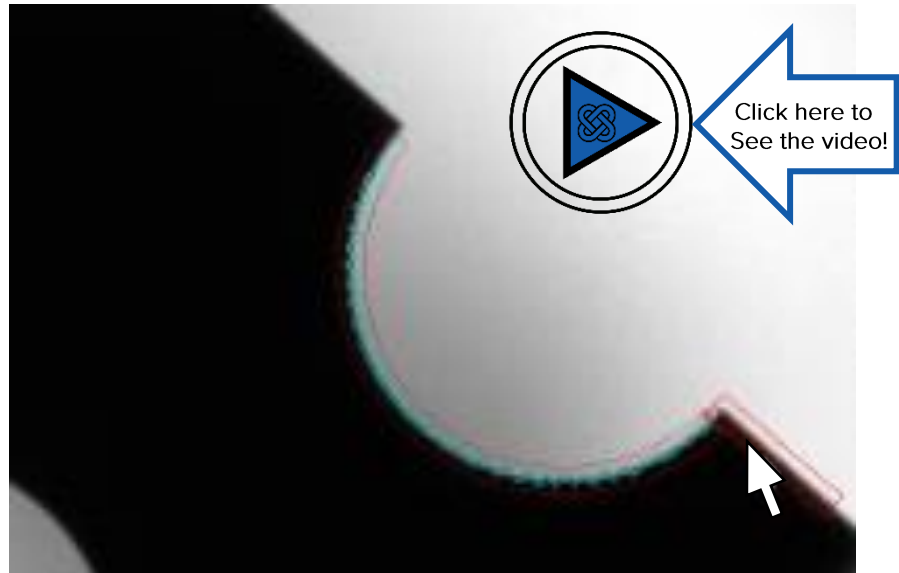
Datasheet



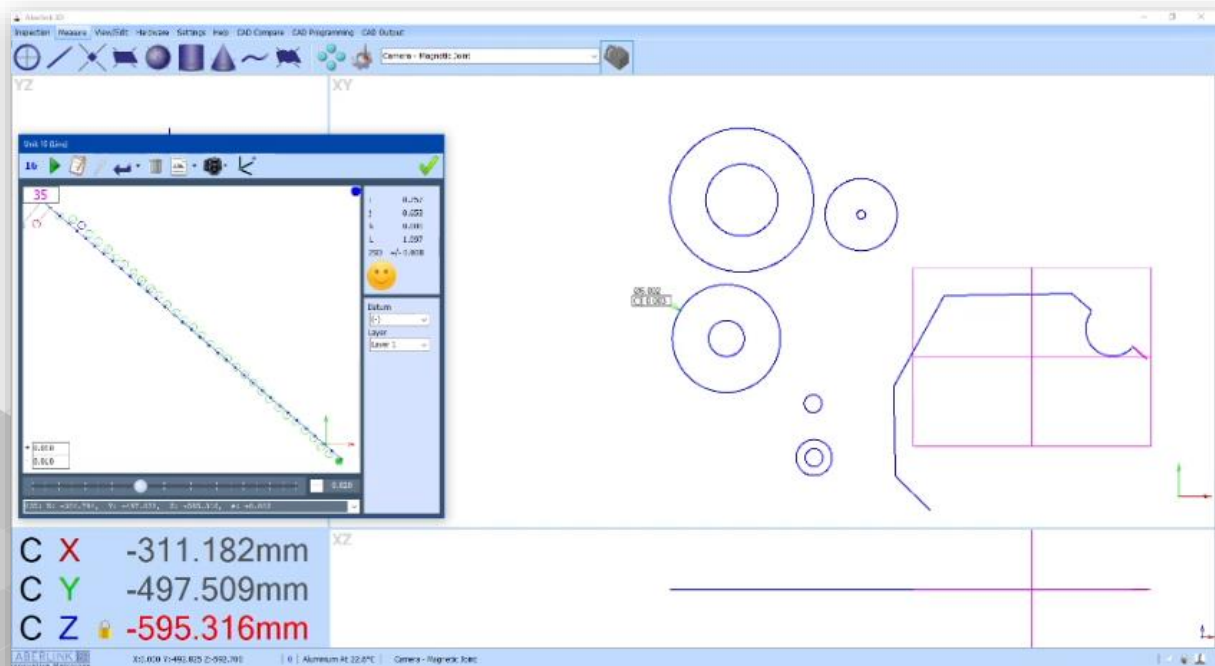
ABERLINK 
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Intuitive software

The one click feature tool enables you to easily measure geometric features to get accurate results. Quickly define edges to be measured and get vision inspection results within minutes.



The real-time 2D graphical representation of your part gives you a clear view of the measured features and current field-of-view camera position.



Data capture modes

Feature measurement tools



Auto select feature – Automatically recognises a line, circle or arc



Circle – Enables you to measure a circle diameter



Line – Enables you to measure a straight line



Arc – Enables you to measure a partial arc diameter



Point – Measures a point at the edge of a profile



Peak point - Measures an intersection point



Thread – Enables you to measure a thread form



Curve – Enables you to measure an unknown 2D curve



One click feature – Enables you to automatically measure a line, circle or arc within the field of view with one mouse-click



All edge points – Enables you to capture the profile of a component within the field of view as a 2D curve



Ruler – Enables you to measure the distance between two defined points



All features in area – Automatically measures lines or circles within the field of view

Edge detection tools



Edge detection – Automatic edge detection



Centre detection – Automatic mid-line detection



Crosshairs – Take a manual point using a crosshair



Mouse point – Take a manual point using a mouse click



Crosshair timer – Enables you to take a timed crosshair point



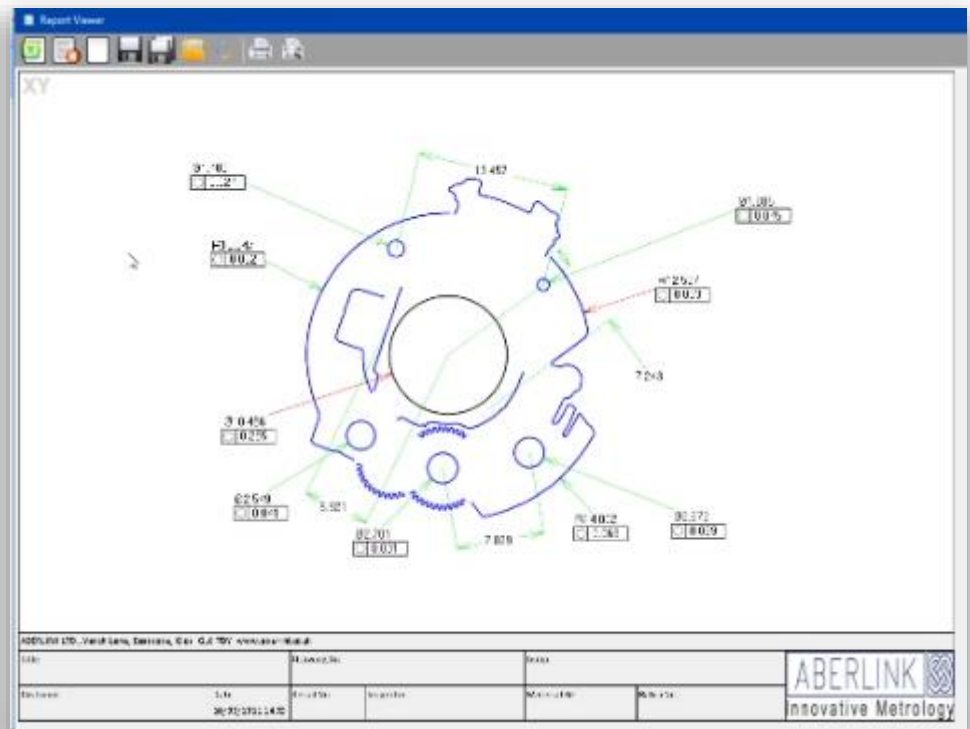
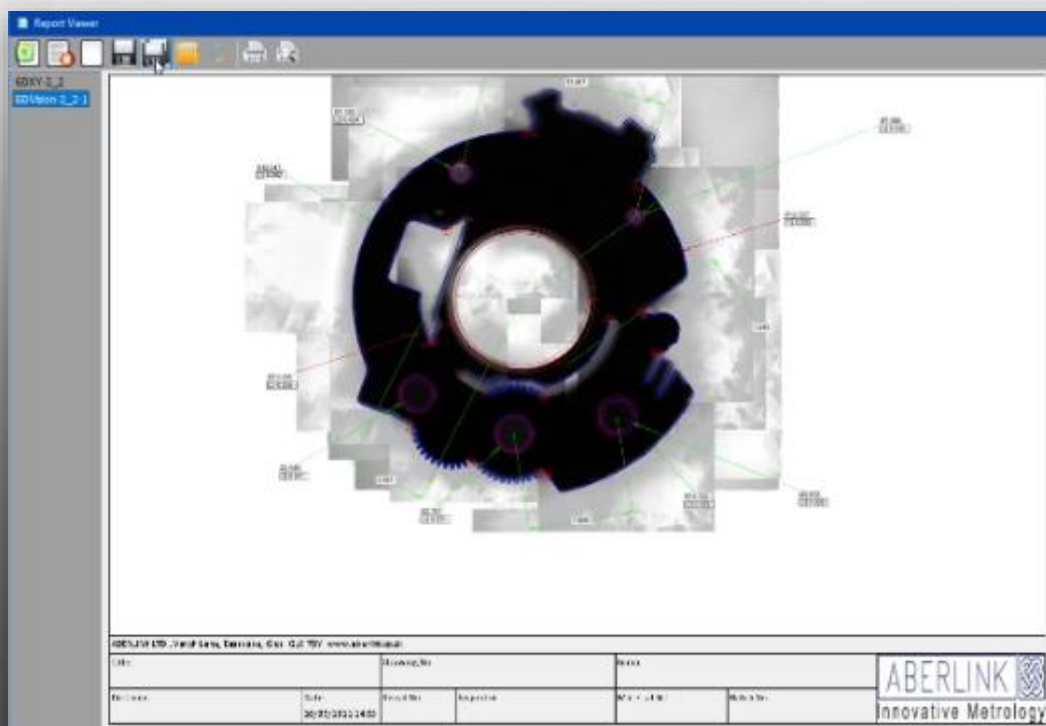
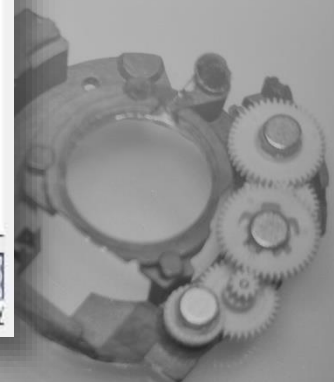
Smart mouse – Enables you to take a quick mouse point even if the position is slightly off the profile



Focus point - allows you to take a point on a surface in the Z direction

Inspection reports

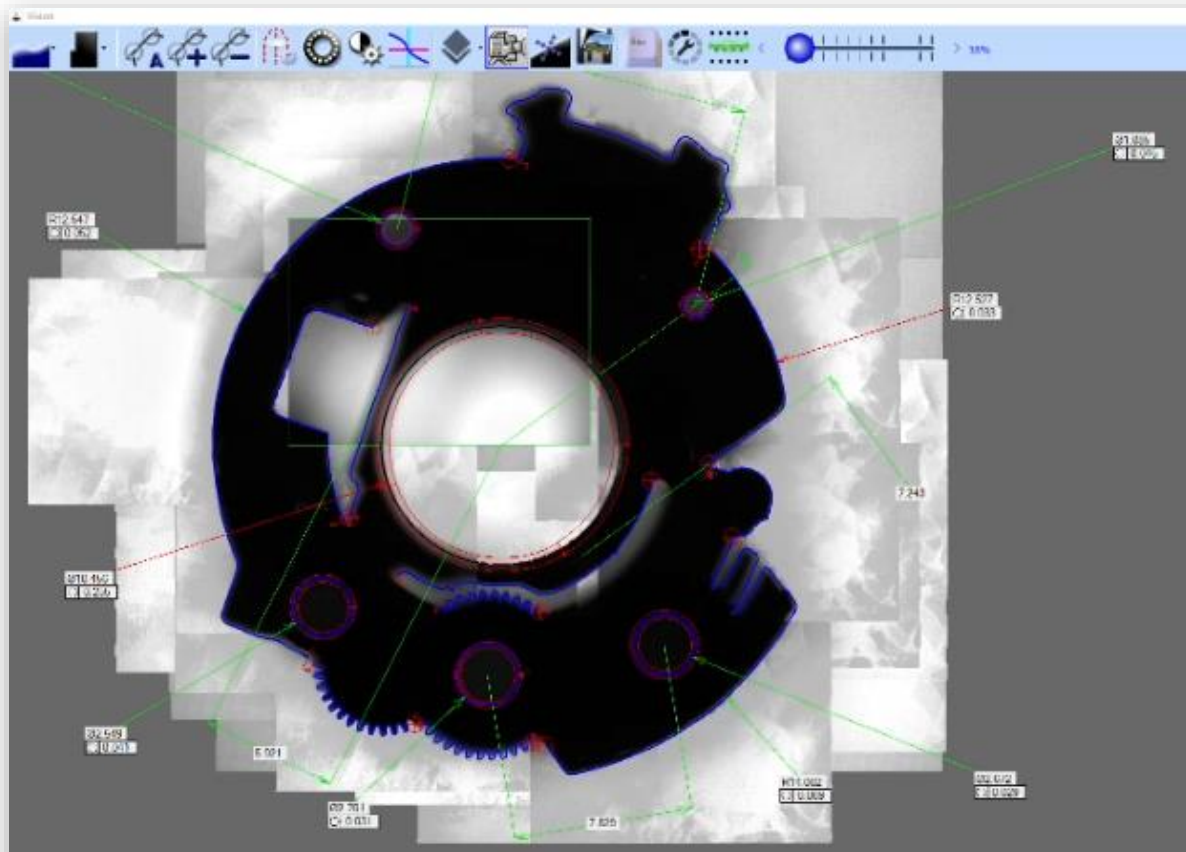
Create quick and easy reports in seconds. Inspection reports can be in the form of fully dimensioned graphical representations as created on the screen, or tabulated reports in various formats that can show nominals, tolerances, errors, pass/fails, geometric tolerances etc. These reports can also be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



Camera overlays



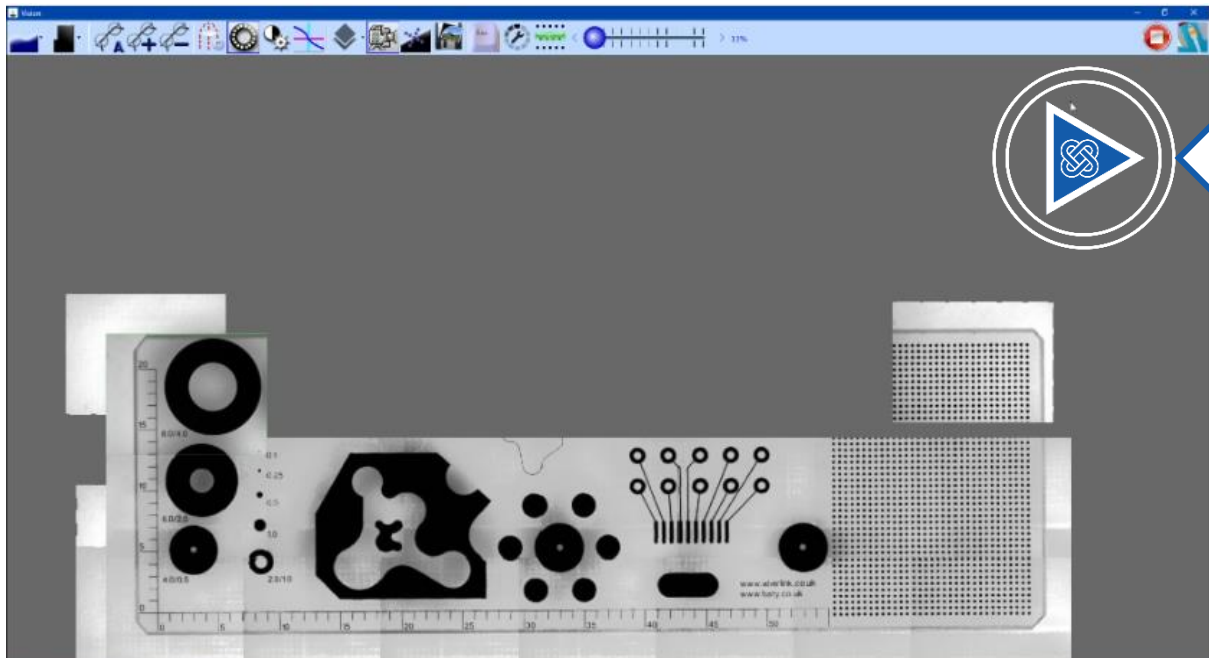
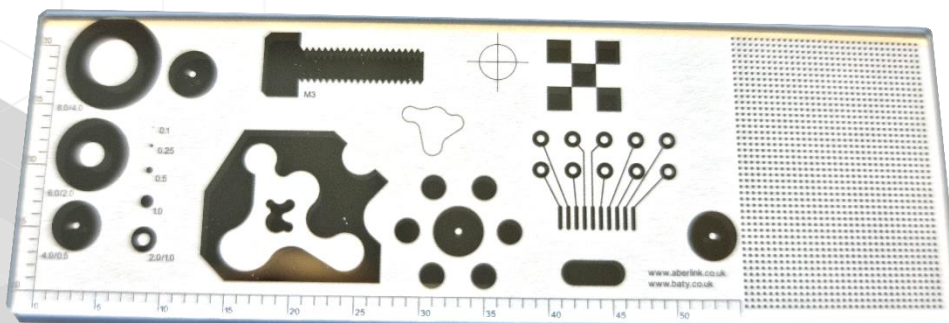
	Recent images – Display recent camera images to build complete image of the part being measured
	Vision measurements – Display the individual feature measurement tools used in the vision inspection program
	Features – Display all of the measured features on the image of the part
	Dimensions – Display all of the dimensions on the image of the part
	DXF – Display any DXF profile imported to compare against the complex 2D profile
	Guide – Enables you to optimise feature measurement within a visible circle diameter



Scan tool

The scan tool  enables you to define a X-Y measuring area and then scan an image of the part within that defined area.

Using the Aberlink glass graticule as an example part, we can scan a full-scale image of the part. Vision measurement strategies can then be selected for individual features.

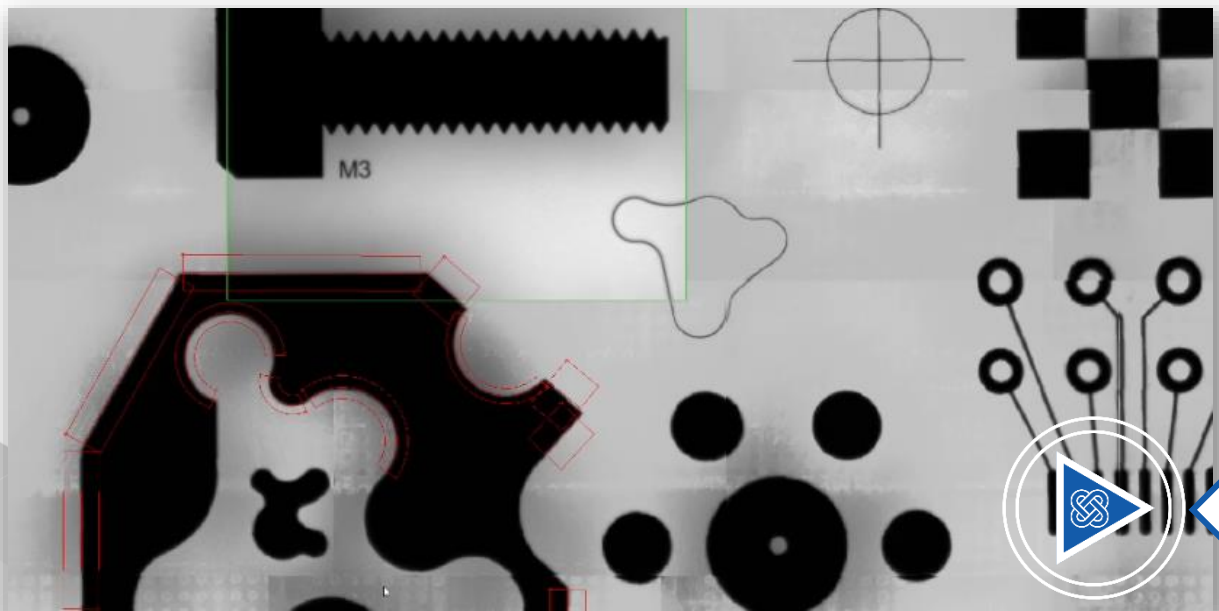


Buffer tool

Having scanned the area of the part to be measured, using the buffer tool  you are able to set out your measuring strategy for the entire scanned area.

When you have finished defining your feature measurements, simply click the buffer tool icon and it will run all of them fully automatically – this is particularly helpful when having to set many feature measurements for a complex part.

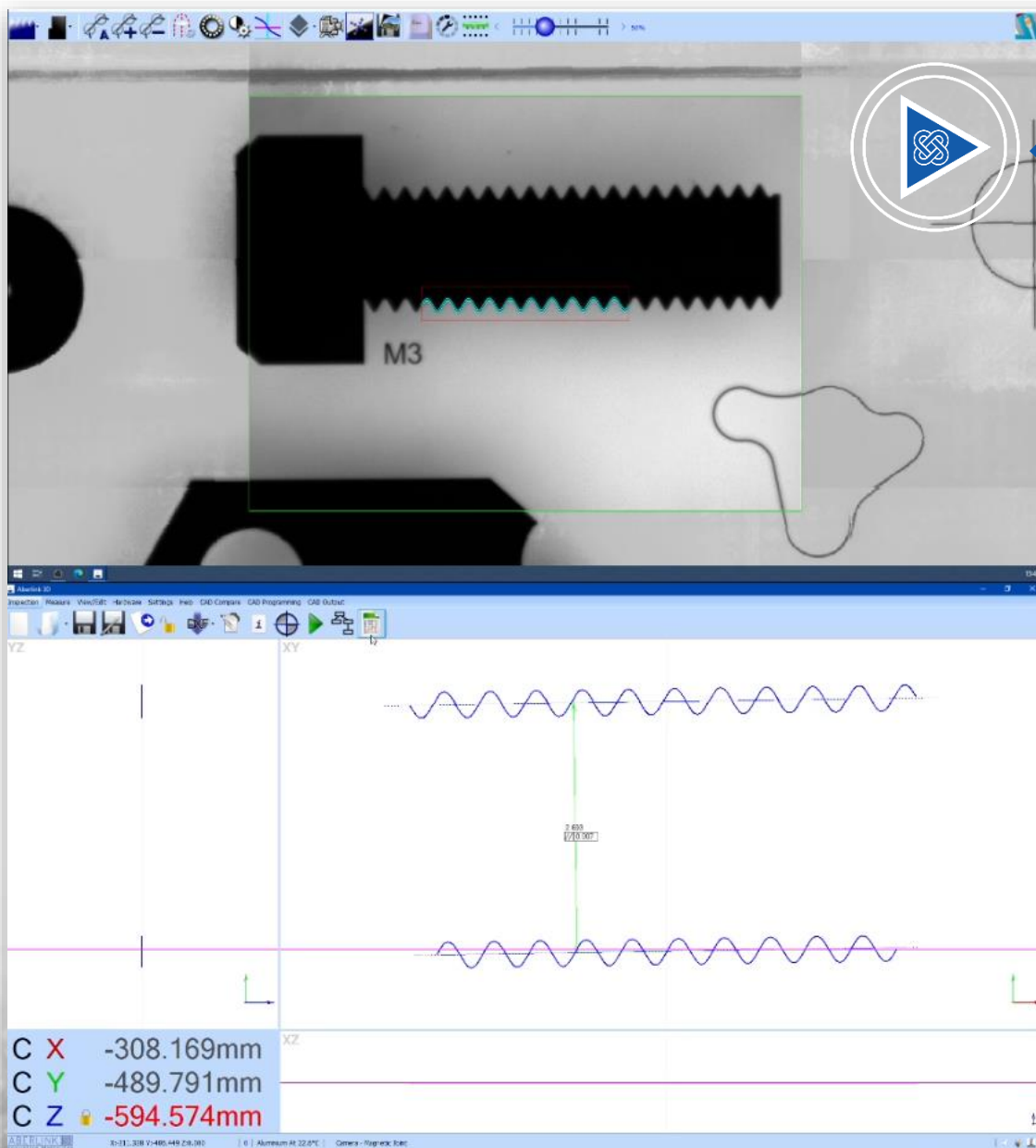
The image below shows the red-coloured boundary of line and arc measurements using the buffer tool.



Click here to
See the video!

Thread measurement

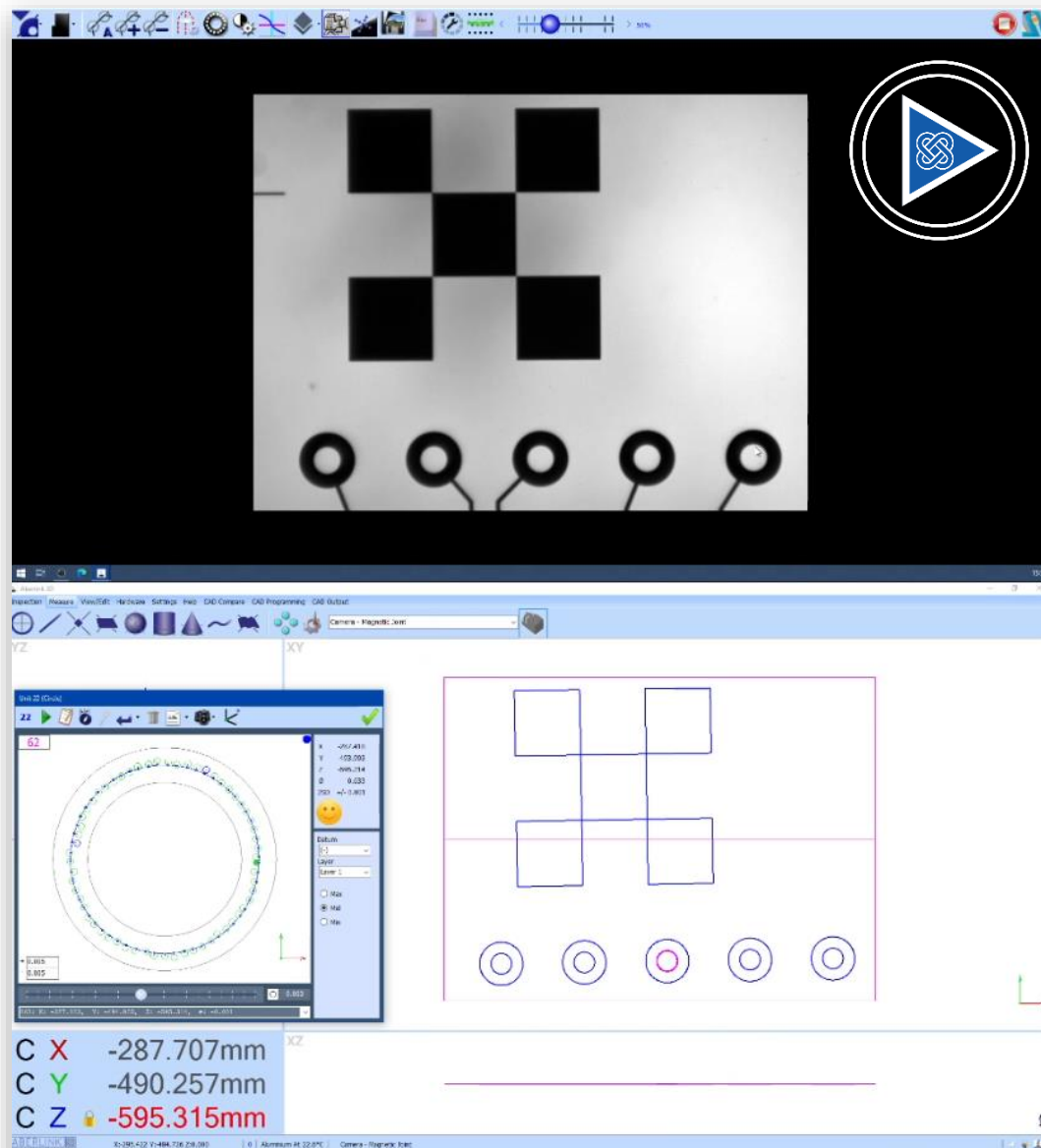
Thread measurement has never been easier. Set the area of the thread to be measured and the camera automatically scans the thread pitch. You can then construct lines from the thread form that represent the minor, effective or major thread diameters. The left-hand, right-hand and included thread angle can also be reported using the thread measure report.



Click here to
See the video!

Measure all features in area

The measure all features in area function  enables you to automatically measure all geometric features within the field-of-view of the camera image. This saves a tremendous amount of time when having to use lines, circles and arcs to measure small complex parts.



Click here to
See the video!

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- Free software upgrades.

- Dedicated service / support by phone, e-mail and remote internet connection.

- Worldwide service and support network.

- Support for multiple languages

