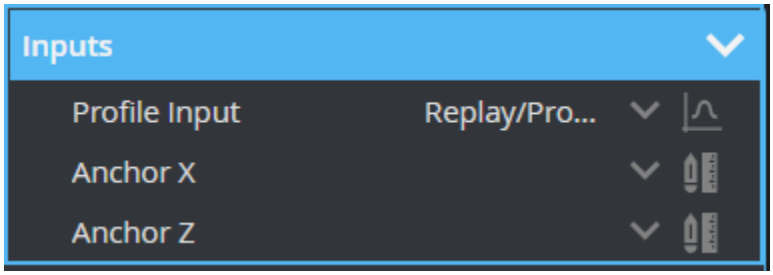
Profile Ellipse

Purpose

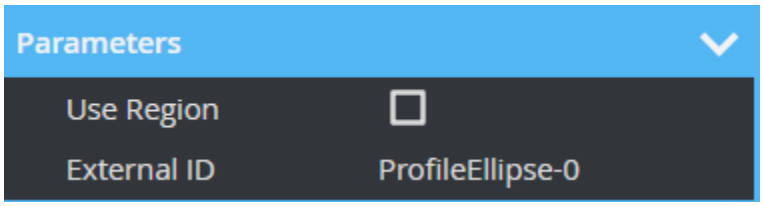
The Ellipse tool provides measurements relevant to the fitted ellipse.

Inputs



Name	Description
Profile Input	The profile data that the tool will use to fit an ellipse. Accept both uniform (resampled) and point cloud (raw) data.
Anchor X Anchor Z	Lets you choose the X or Z measurement of another tool to use as a positional anchor for this tool.

Parameters

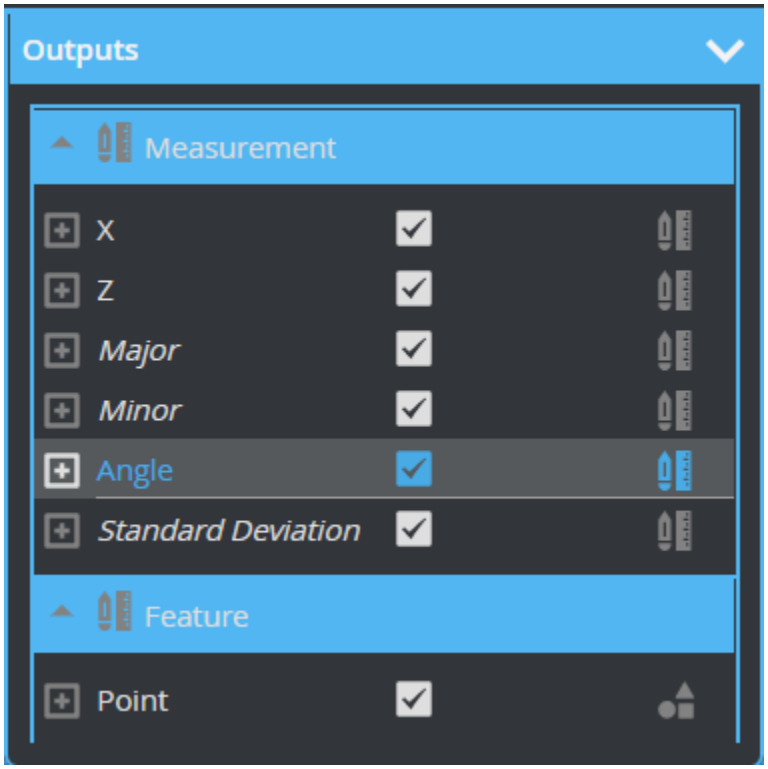


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Use Region	When enabled, displays additional settings to let you set a region (see below).
Number of Regions Region {n}	Lets you set the number of regions, and for each region, the position and dimensions.

Outputs



Type	Name	Description
Measurement	X	Determines the X position of the center of the bounding box that contains the part.
Measurement	Z	Determines the Z position of the center of the bounding box that contains the part.

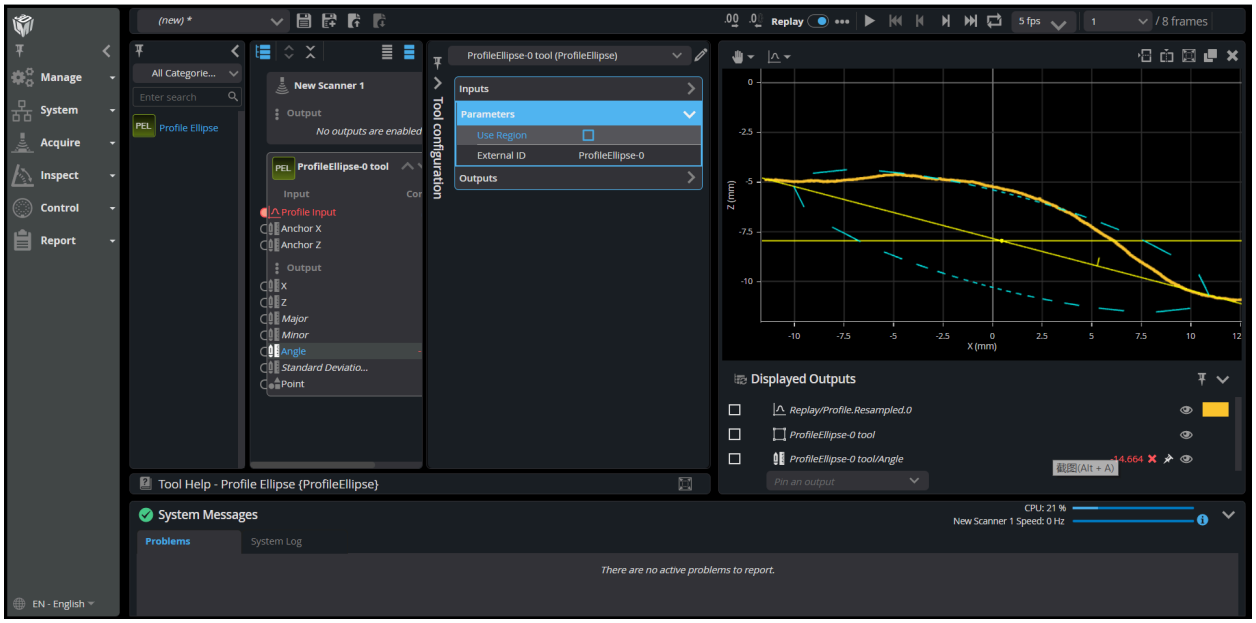
Measurement	Major	Determines the major axis length of an ellipse fitted to the part's area in the XY plane.
Measurement	Minor	Determines the minor axis length of an ellipse fitted to the part's area in the XY plane.
Measurement	Angle	Determines the orientation angle of an ellipse fitted to the part's area in the XY plane.
Measurement	Standard Deviation	Standard deviation for points involved in fitting an ellipse from the center point.
Feature Point	Point	The center point of the fitted ellipse.

Major Revisions

Gocator Classic to GoPxL

- 'Profile Ellipse' of GoPxL implements its counterpart in classic, but adjusts its angle output to be consistent with other profile tools involving angle.

Application Examples



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