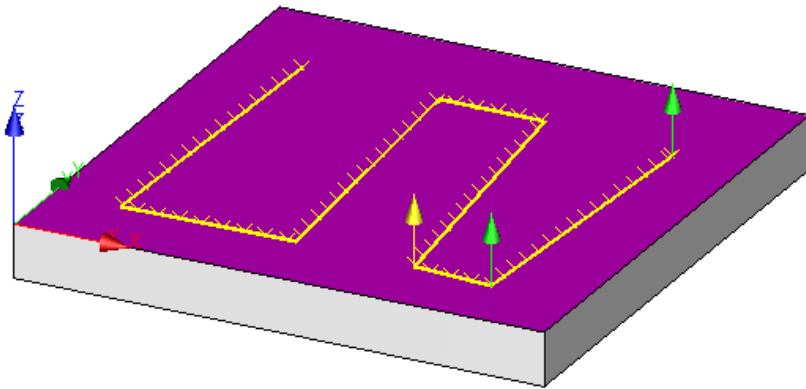


# The Polyline



## What is a Polyline?

A polyline is a defined path that you wish Calypso to take when it is measuring a plane.

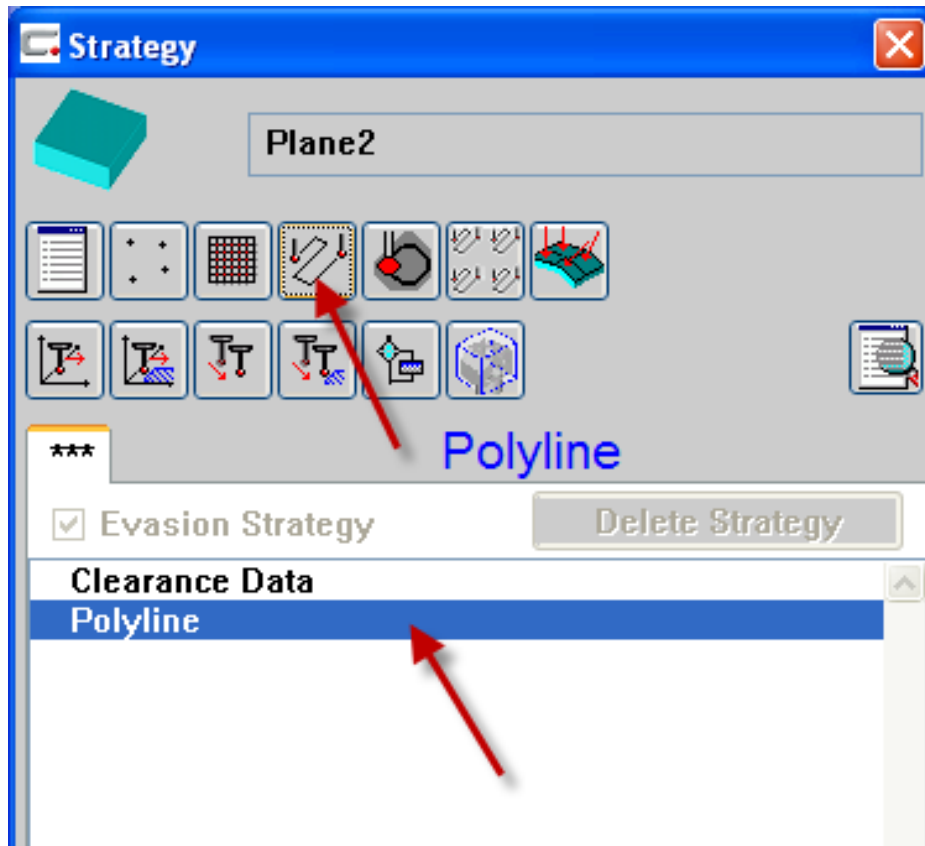
You are free to define the path by probing the intersect points or, clicking on the CAD model.

All that is needed for the definition are the corner points of the lines that will be created.



We make it visible.

# The Polyline



To access the Polyline option, open the strategy for your plane and select Polyline from the options.

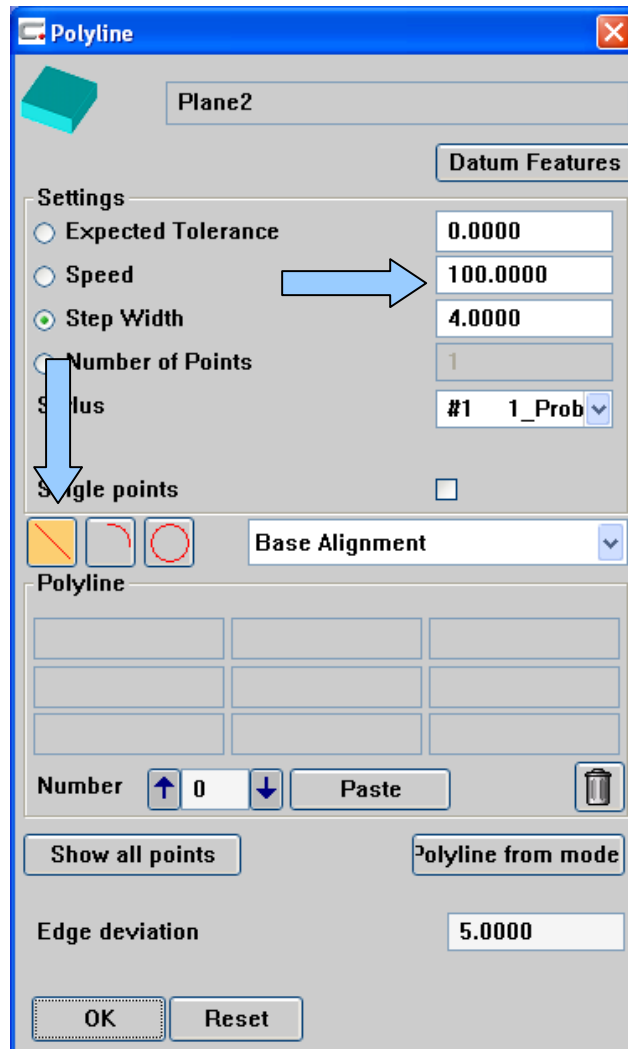
The Polyline will be added to your strategy.

To edit the polyline, double click or highlight and click on the magnifying glass.



We make it visible.

# The Polyline



The structure of the Strategy is completely different from the normal strategy.

The first area is the density of points as is used in other strategies.

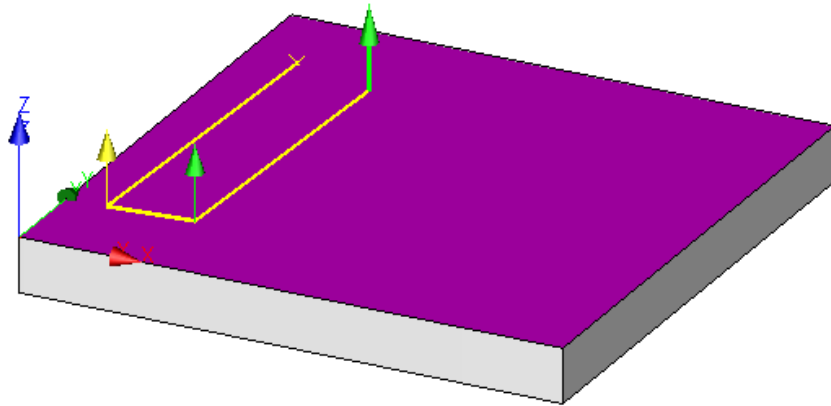
The second area represents the shape of the path, typically a scan path.

These three symbols represent the shape of the strategy.



We make it visible.

# The Polyline

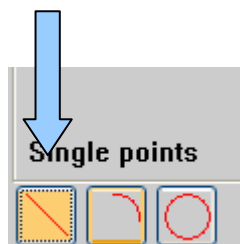
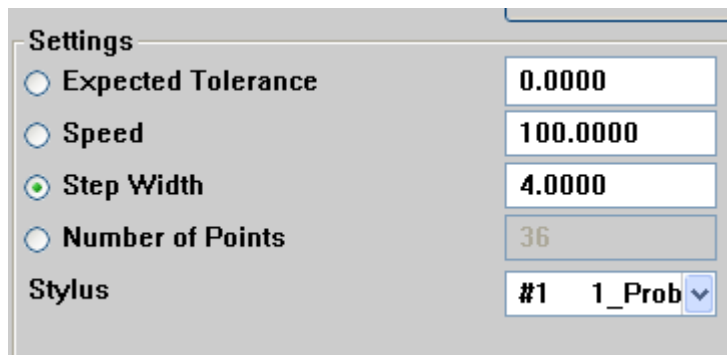


In this example we have chosen the first option, which is the straight line.

This path is actually four physically taken points, the corner points.

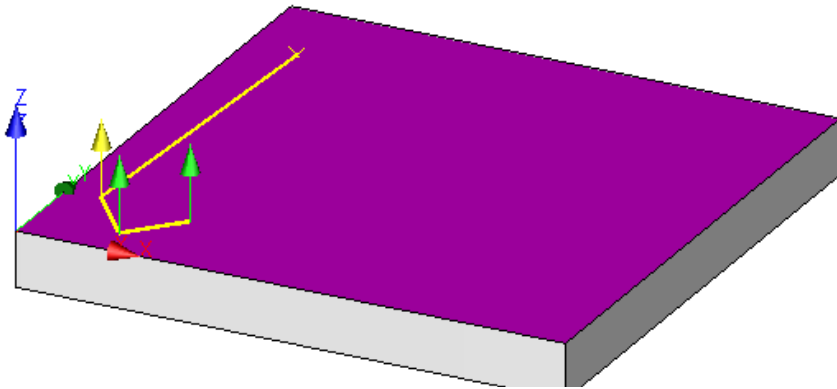
Calypso will follow this path taking data at the rate that was defined in our strategy.

When it changes direction, it uses the value entered for the corner radius.



We make it visible.

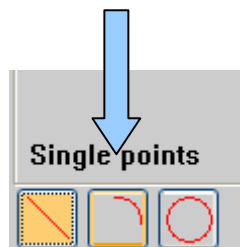
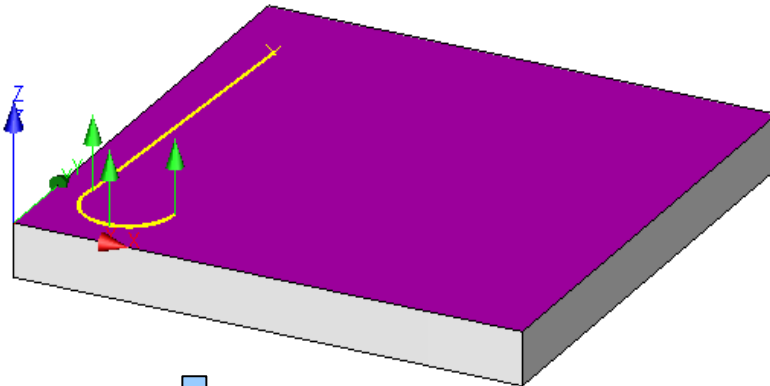
# The Polyline



If we redo the path, this time taking three points in the corner where the change of direction occurs.

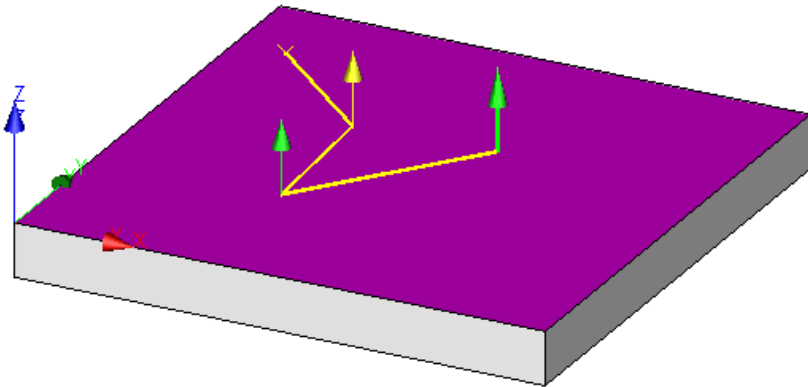
With these three points highlighted, select the arc and a radius will be fit through the three points.

This radius eases the change of direction from the corner radius we had previously to this smooth curve.



We make it visible.

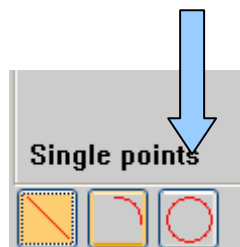
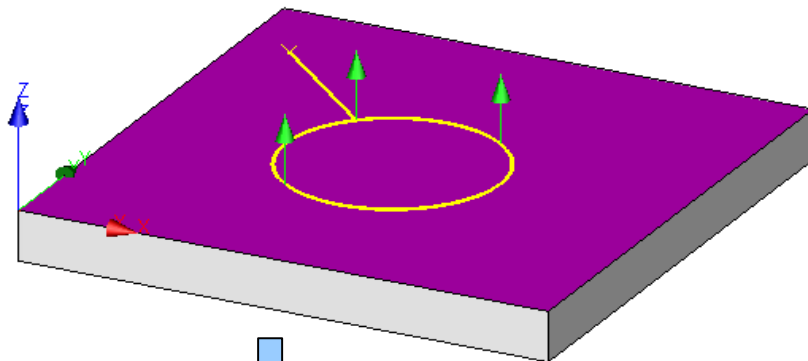
# The Polyline



The third option was the circle, this allows us to take three points and convert it to a circular path.

This can be very useful for scanning around holes and producing a scan around a part.

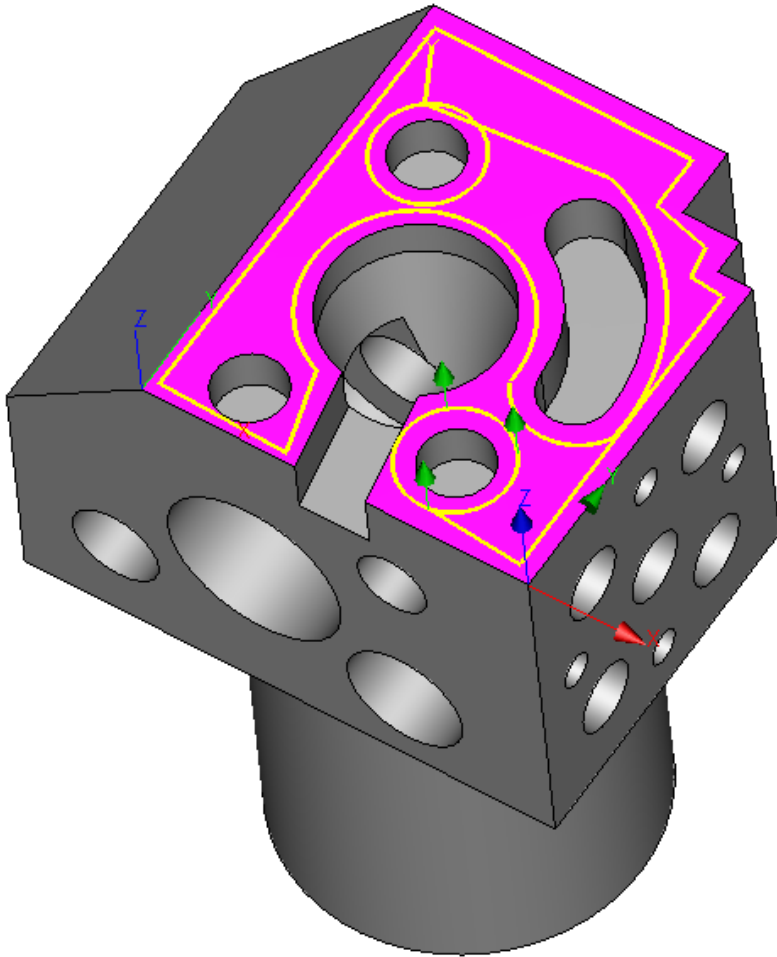
With the aid of these three options, complex paths can be generated on difficult surfaces, missing features that may be in the way and focusing attention in suspect areas.



We make it visible.

# The Polyline

The resulting polyline can be very complex and is ideal where you wish to monitor specific areas



We make it visible.