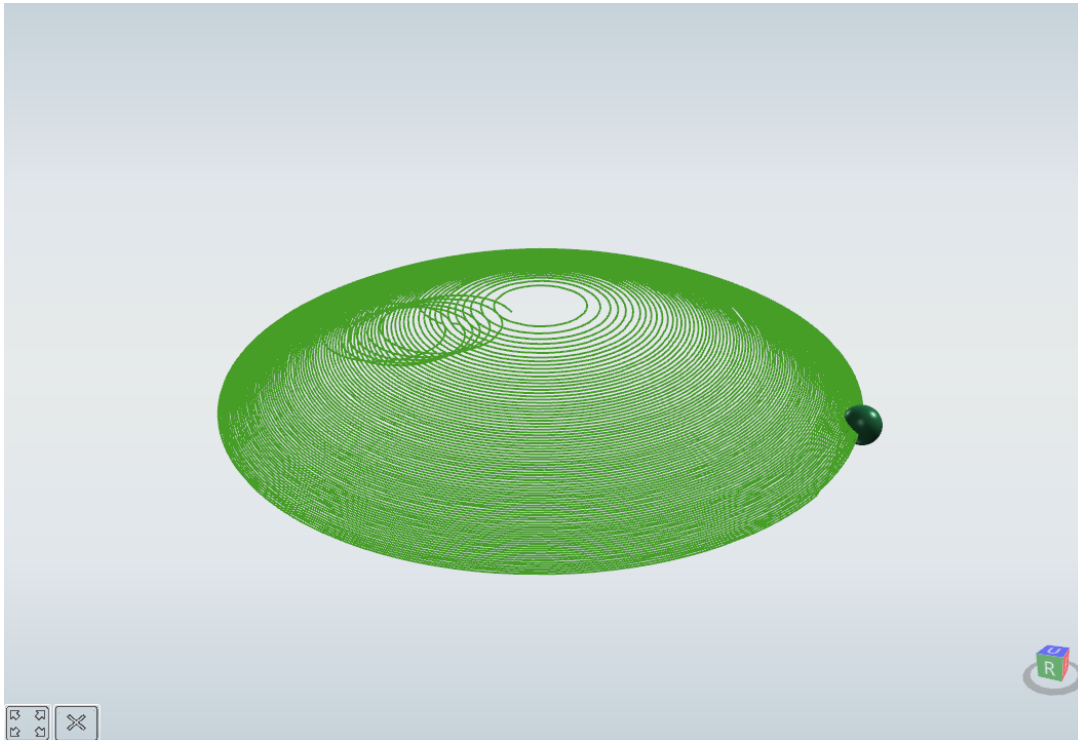


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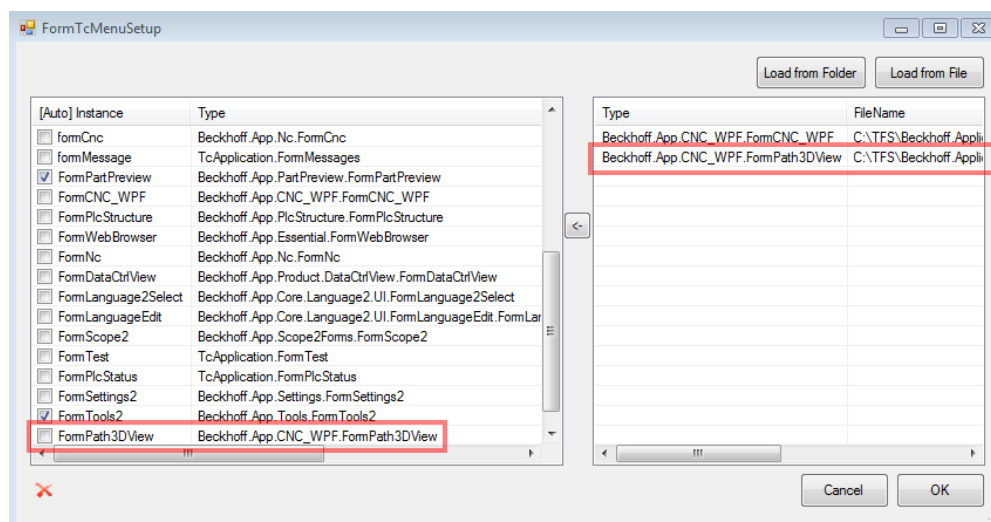
FormPath3DView



With FormPath3Dview with help of the CNC Function „Contour Visualization“ the cartesian positions of the axes can be recorded and visualized. Detailed documentation for the „Contour Visualization“ can be found in the Beckhoff Information System and as a PDF from ISG.

Installation

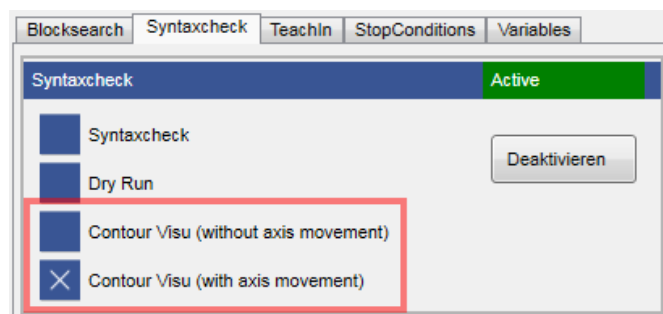
The FormPath3DView can be found as part of the class library „Beckhoff.App.CNC-WPF.dll“ under the folder Plugins. An instance of "Beckhoff.App.CNC_WPF.FormPath3DView" can be added using the Menu Manager and can then be called as a "Form" from a function key.



Required Conditions

In contour visualization, there are different operating modes, in which a recording can be started. The visualization can be started with or without a simultaneous axis movement.

The desired mode must be activated before starting the program to be simulated. This can be done in the HMI in the Syntax Check tab or directly in the PLC via the HLI:



Operation

The display can be moved, zoomed and rotated with the mouse. It is also possible to use a multi-touch with gestures to move, zoom and rotate.



centers the image and zooms such that the complete image can be seen.



clears the currently displayed image.

Settings

channel number (first channel = 1)	Int32
ChannelNr	1
Color for drawing the path	Color
DrawColor	70; 158; 38
maximum number of points in drawing queue. If count is higher, oldest points will be deleted	Int32
maxPoints	50000

- ChannelNr: Channel number to record
- DrawColor: Color of the displayed track
- maxPoints: Maximum number of points to be displayed.
If this value is exceeded, the oldest points are deleted for each new point

The setting "maxPoint" should be adapted to the performance of the computer and the graphics card.