



CNC 3D Editor

This example describes the usage of the online CNC editor. With the online CNC editor it is possible to visualize a CNC-path (G-Code) graphically and to edit it textual.

Product description

This example describes the usage of the online CNC editor.

The online CNC editor allows for the graphical visualization of a CNC path (G-Code) and for editing the text.

With the graphical visualization of the path it is possible to look at the path from any point of view or position. The view can be rotated around all its three axes and the viewpoint can be moved within the field. Additionally it is possible to zoom continuously.

The G-Code can be displayed and changed via a text editor. The text editor is connected to the graphical visualization: the element, where the cursor appears will be emphasized in the the visualization. Each change of the G-Code will be adopted in the visualization.

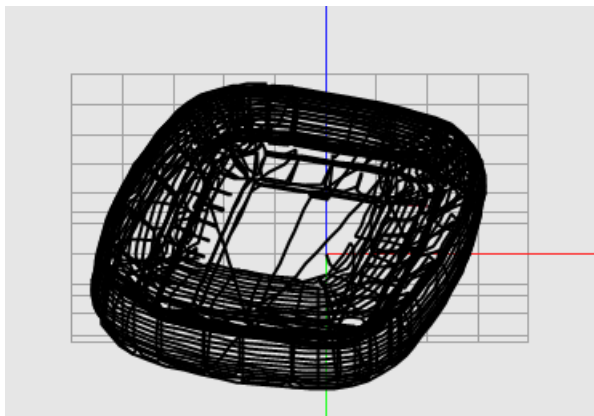
In an execution mode the visualization can display the current progress of the path processing: the graphical element which the tool is processing at the moment is marked, as well as the already done elements.

The example consists of two main pages of visualization, which can be toggled via the tab on the top left side of the screen.

The first page is called Programming. Here it is possible to load, edit or view different G-Code files as well as to save them. The corresponding menu is located at the bottom right, in combination with the list of available G-Code files.



At the top left the graphical visualization is located.



At the bottom left the text editor for the G-Code can be found.

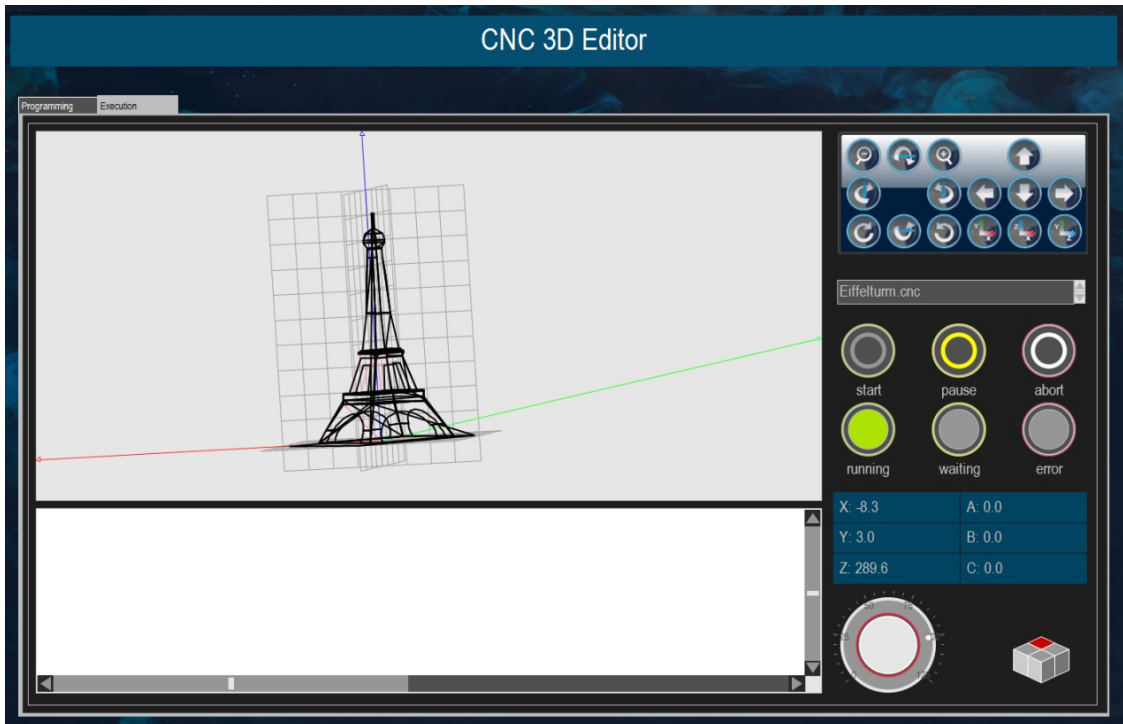
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%Allianzarena
N000 G00 X2.99176521903815 Y20.3081516572321 Z2.37280187378153 F100 E1000 E-1000
N010 G01 X7.17422962246543 Y22.2598041090869 Z3.25136703467386
N020 G01 X21.8434554801134 Y-12.0876447865617
N030 G01 X34.1148685972356 Y-50.4276244363907
N040 G01 X38.6344849116874 Y-49.3499423646397 Z3.97123076620937
N050 G01 X43.1698267633087 Y-48.2685106096636 Z4.53177095658595
N060 G01 X47.7169746746086 Y-47.1842637531462 Z4.93250318263751
N070 G01 X52.2719989652084 Y-46.0981388096029 Z5.17308112847624
N080 G01 X56.8309631479006 Y-45.0110744166072 Z5.25329688478138
N090 G01 X61.3899273305927 Y-43.9240100236115 Z5.17308112847624
N100 G01 X65.9449516211921 Y-42.8378850800683 Z4.93250318263751
N110 G01 X70.4920995324924 Y-41.753638223551 Z4.53177095658593
N120 G01 X75.0274413841139 Y-40.6722064685751 Z3.97123076620935
N130 G01 X79.5470576985658 Y-39.5945243968239 Z3.25136703467384
N140 G01 X83.9825368263481 Y-67.3645020132989 Z3.2513670346738
```

At the top left side the elements can be found to change the camera position for the graphical editor.



The graphical visualization, the navigation elements and the G-Code editor can be found on the second page called Execution. The content is Read-Only. On the right side the elements to edit or to select the G-Code files are replaced by elements to control and monitor the path processing.





General information

Vendor:

CODESYS GmbH
 Memminger Strasse 151
 87439 Kempten
 Germany

Support:

<https://support.codesys.com>

Item:

CNC 3D Editor

Item number:

000026

Sales:

CODESYS Store

<https://store.codesys.com>

Included in delivery:

- CODESYS software and / or license key with billing information
- For training courses and events: Booking confirmation

System requirements and restrictions

Programming System	CODESYS Development System Version 3.5.14.0 or higher
Runtime System	CODESYS Control Version 3.5.14.0
Supported Platforms/ Devices	Note: Use the project "Device Reader" to find out the supported features of your device. "Device Reader" is available for free in the CODESYS Store.
Additional Requirements	CODESYS Visualization and CODESYS SoftMotion CNC
Restrictions	-

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact sales@codesys.com.

Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.