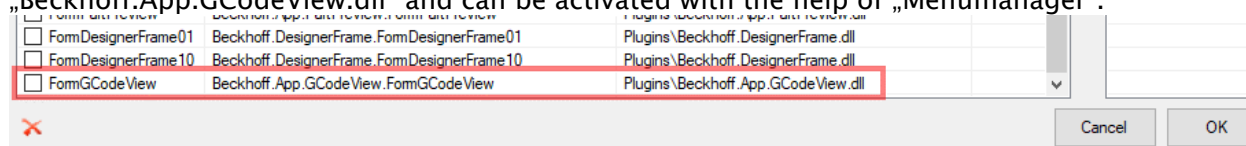


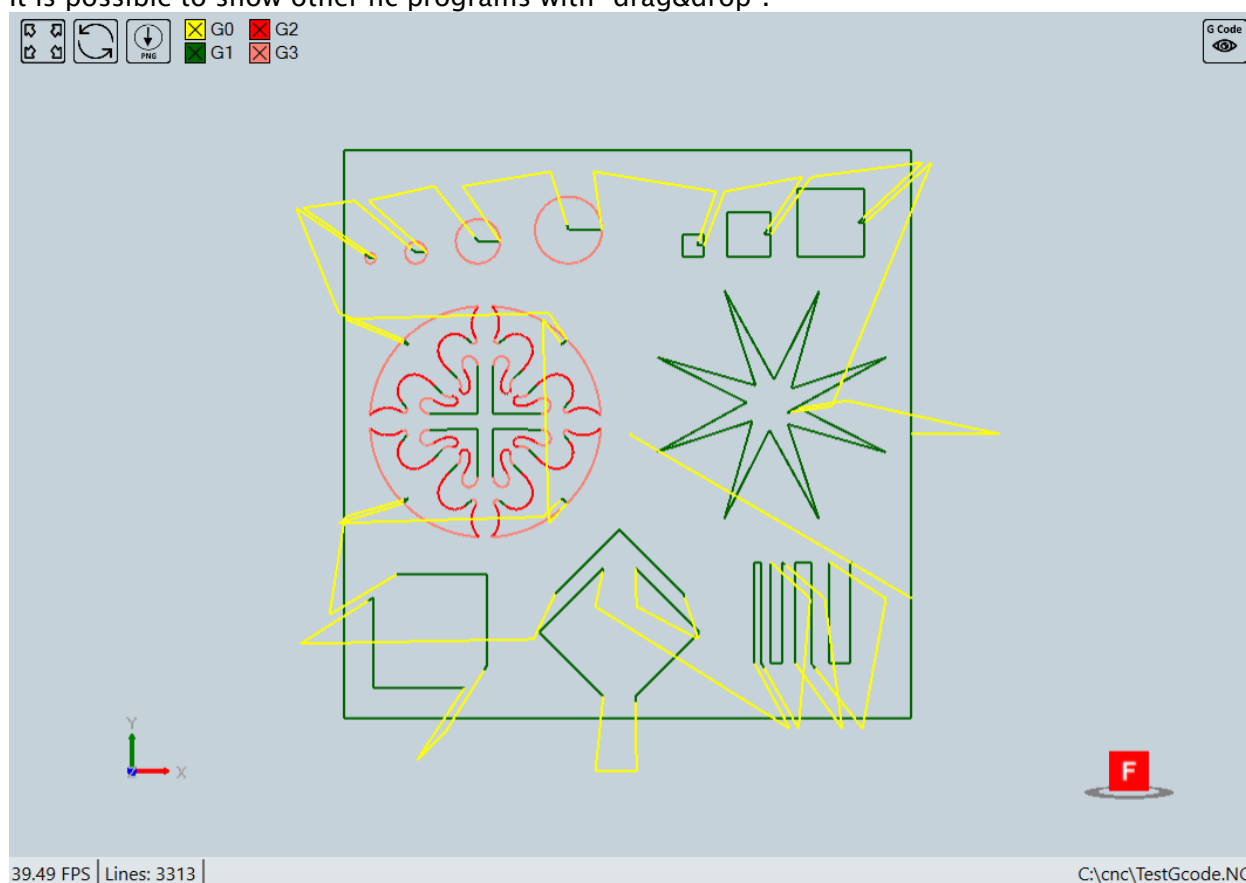
Last change: 28.10.2019

GCodeView

The plugin „GCodeView“ is located in folder „Plugins“ in der file „Beckhoff.App.GCodeView.dll“ and can be activated with the help of „Menumanager“.



The Plugin reads the actual selected cnc program and draws the result in a 3D window. It is possible to show other nc programs with “drag&drop”.



Beckhoff Automation
GmbH & Co. KG
Hülshorstweg 20
33415 Verl, Germany

Postfach 11 42
33398 Verl

Telefon: +49 5246 963-0
Vertrieb: +49 5246 963-1000
Service: +49 5246 963-460
Support: +49 5246 963-157

Fax Zentrale: - 149
Fax Vertrieb: - 198

www.beckhoff.de
info@beckhoff.de
vertrieb@beckhoff.de
service@beckhoff.de
support@beckhoff.de
international-sales@beckhoff.de
engineering@beckhoff.de

Geschäftsführer:
Dipl.-Phys. Hans Beckhoff

Registergericht:
Gütersloh HRA 7075

Ust.-Id.-Nr.: DE 815529334

Kreissparkasse Wiedenbrück
BIC: WELADED1WDB
IBAN: DE24 4785 3520 0000 0600 04 (EUR)
IBAN: DE02 4785 3520 0000 0600 12 (USD)
Deutsche Bank (EUR, USD)
BIC: DEUTDE33489
IBAN: DE95 4807 0043 0373 6014 00

Only the following G-codes are recognized and displayed:

- G0 rapid traverse
- G1 linear interpolation
- G2 circular interpolation (cw)
- G3 circular interpolation (ccw)
- G17 X-Y plane
- G18 Z-X plane
- G19 Y-Z plane
- G161 circle center point absolute
- G162 circle center point relative
- G90 absolute dimensioning
- G91 relative dimensioning

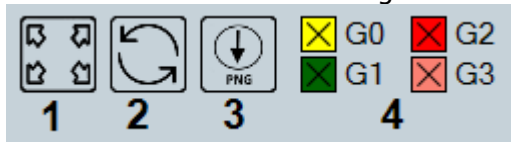
The following coordinate letters can be used:

- X,Y,Z coordinate in space
- I,J,K center of circle
- R radius of circle

There is no support for jumps (\$GOTO..), subroutines (L sub.nc) or other program influencing statements. (\$IF, \$SWITCH,...)

The 3D view can be manipulated with the help of the mouse or with the help of a touchscreen (three touch points).

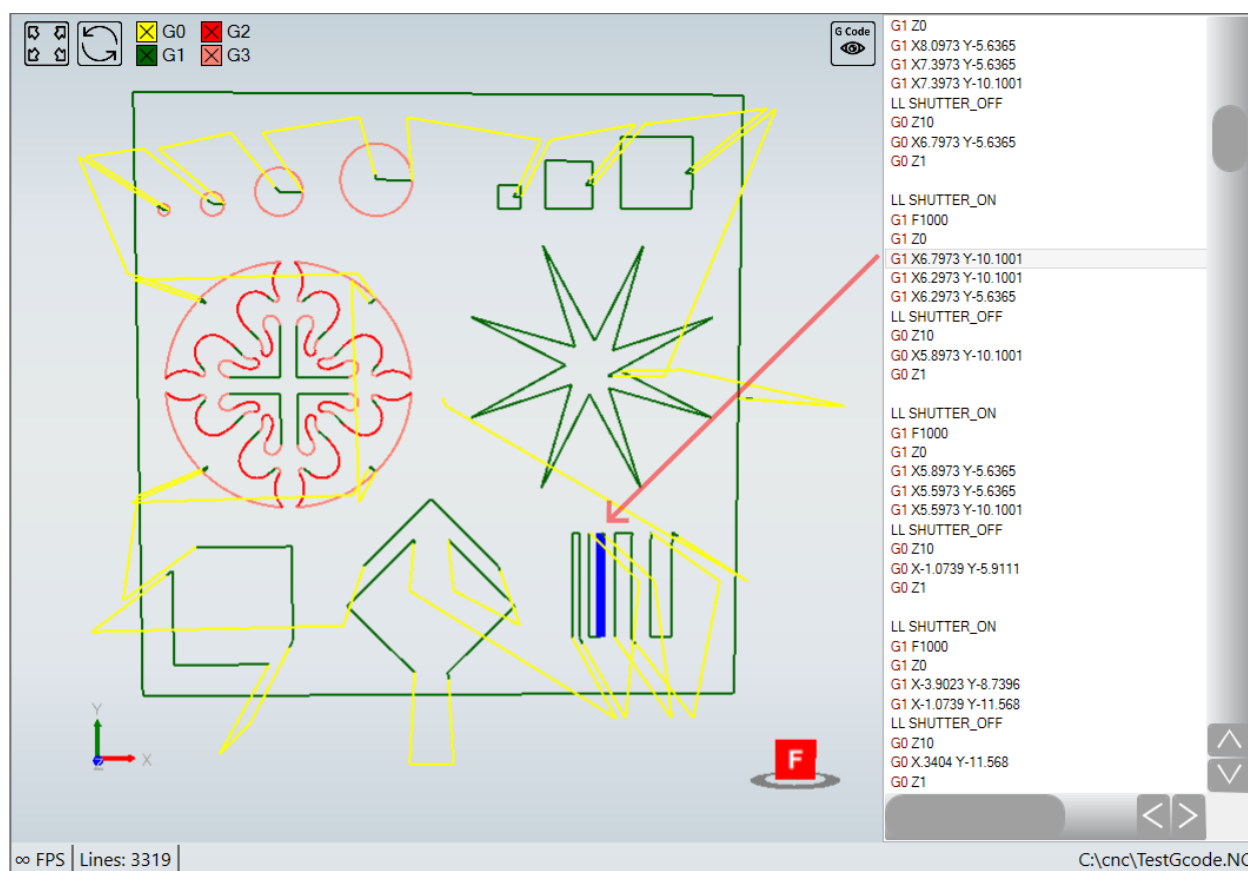
The controls are commanding the following functions:



1. Auto zoom of the complete graphic
2. Parse the nc program again.
3. Save the view as a graphics file (filename: nc program name + .PNG)
4. Set visible/invisible switch for the corresponding G function.



Enable/disable display of G-Code in the right area.

BECKHOFF

If the G Code area is enabled, the selected line in the graphics will be marked “blue”.
Selection only is possible in the right text area.

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33398 Verl

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