Libellula.3D-EDIT
Edit your Iso codes directly on-board - Ver 3.0.3

Libellula.3D-EDIT is a G-Code editor desiged and developed with a solid collaboration with Prima Power, for all the "Rapido", "Optimo" e "Domino" cutting machines.

Libellula.3D-EDIT show you the previews and all the cutting paths started by a G-Code program, and allow the necessary corrections through an intuitive editor. Libellula.3D-EDIT also allows the simulation of the part-program and can generate a new ISO code containing the changes

The Libellula.3DEDIT's intuitive User Interface was designed and build to be installed into CNC

Libellula.3D-EDIT features:

3D Display of the parts, his cutting path snd the head machine model.

Cutting path realtime simulation

User permission rules

High time saving with cutting path failure correction "on the fly"

Original IGES model loading and visualization

Tool relative coordinates editing (TCP)

"Rapido" line

"Optimo" line

"Domino" line

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Display

Libellula.3D-EDIT allows to visualize all the necessary elements tin order to edit the cutting path

- 3D visualization of the part
- displaying the model of the machine head
- displaying the cutting path
- viewing the list of commands
- the display of the parts program
- the display of symbols related to clamps

Features HW

The hardware features of the console machine where this editor will be installed must have:

CPU Pentium M 1.4 GHz
Graphic Chip 855GM
Memory 1Gb
40 Gb hard disk
S.O. XP Embedded

Editing of part program

With Libellula.3D-EDIT as well as select and display, the user can modify the following Iso instructions:

G01: linear movements
G00: rapid movements
G92/G93/G94/G96: local/Additive transformation setting
G104: circular movements
G113/G114: Rototranslation matrix management from CAD to real world environment
$(APPROACH_MC): approach to the work piece
$(RETRACT_MC): removal from the work piece
Geometric macro: $(HOLE);
$(HOLE_WELD); $(POLY); $(SLOT); $(RECT); $(Keyhole)
$(WORK_ON): begin cut and change parameters
$(WORK_OFF): end of cutting
$(WELD_ON): begin weld and change parameters
$(WELD_OFF): end of welding
$(ACCURACY): selection level for dynamics of the work program
$(HOLE_ACCURACY): selection about precision for execution holes
lines for remarks

It's also possible to:
delete one or more instructions
position axes A and B of the head
make the translation of working paths

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