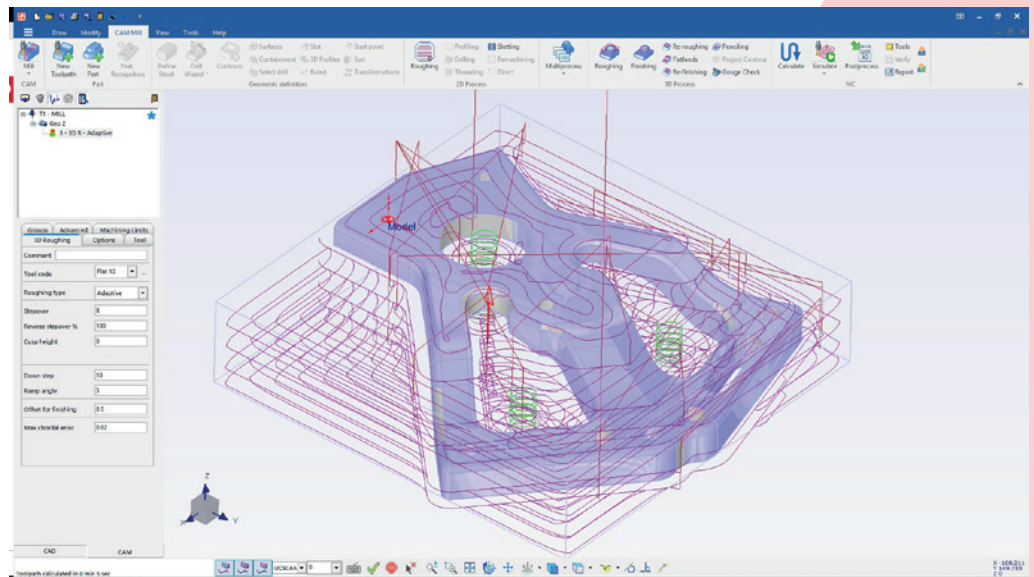


# Efficiency and productivity in milling production

Milling

A fast and productive solution for the programming of the milling machines and machining centers. FikusSt has been specially designed to speed up and solve the problems of all workshop jobs involving 2-dimensional machining (pockets, drills, slots and contours), 2.5D (shaped wall pockets) or complex 3D shapes.

*Easily solve any milling job in the workshop thanks to all the functions that Fikus provides for machining parts in 2.5D and complex 3D surfaces. Now also Automatic recognition of areas to be machined.*



Machining simulation

## Outstanding features of FikusSt for 2D and 2.5D milling



Optimal milling in 2 and 2.5 axes adapted to the characteristics of each machine.



Efficient CAD designed for CAM programmers, versatile, reads and writes multiple formats



Powerful 3D surface machining functions for complex shapes



Reduces programming and machining time thanks to efficient programming wizards

Automates programming and optimizes quality using templates with efficient processes



Automatic Feature Recognition



Efficient 2D and 2.5D milling with almost fully automatic processes



Highly efficient automatic drill assistant



Complete solution for 2 and 2.5-axis milling. All machining operations such as roughing, pre-finishing, finishing, drilling cycles, grooves and residual areas can be carried out easily.

CAD designed for the workshop that speeds up the geometric definition of the part. An agile and powerful CAD with efficient functions to create and edit geometry, extract contours, create gears, etc.

**fikusSt's Machining Manager** accompanies you throughout the programming process, from part definition to creation, calculation and simulation, guaranteeing efficient programming.

Powerful 3D surface machining functions for complex shapes. Roughing, finishing, reworking, bitangencies and flat areas of the most complex geometries are not a challenge with **fikusSt**.

**Automatic Feature Recognition** is an intelligent wizard that reduces programming time. The wizard identifies the different elements of the geometry and automatically programs their machining.

Technological data								
	Comment	Machining time	Feed distance	Stagger	Down step	Depth Z ABS Level	MAX ZMax -z	MIN ZMin -z
3D ROUGHING 3		01h.50m.43s	1	4	30	10	200	-36.5
3D FINISHING PARALLEL CUT 4		00h.36m.03s	1	1	2	10	200	-38.951
3D FINISHING CONSTANT Z 5		00h.41m.03s	1	1	1	10	200	-38.952
3D RE-FINISHING PARALLEL CUT 6		00h.05m.38s	1	1	2	10	200	-37.321

Customizable machining report

Automatic drill wizard

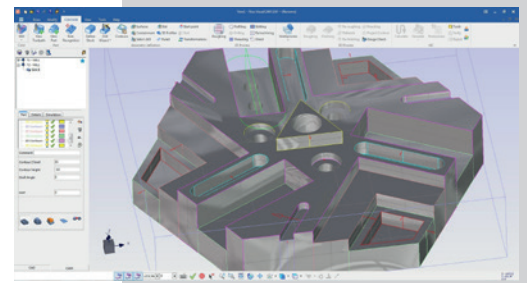
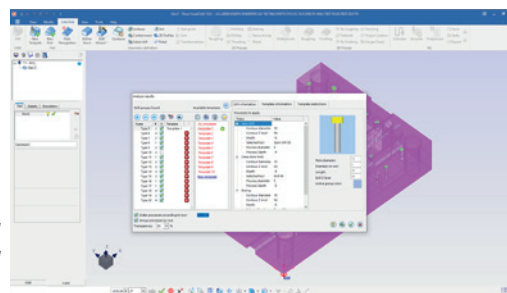
Automatic selection of drills, even with orientations in different planes, **fikusSt** classifies them according to their typology and mechanizes them. It is only necessary to "teach" him how to machine a new type of drill the first time.

It applies the technology together to many geometries, with different heights and positions. The program takes into account the interactions between punches and cavities, so the user only has to pay attention to how he wants to machine each type of area, the rest is borne by **fikusSt**.

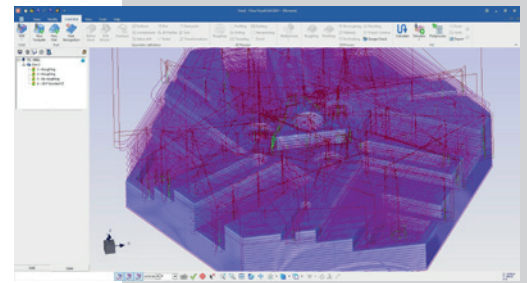
Multiprocess templates to make the user experience profitable. When a well-defined and proven machining strategy has been generated, it can be saved as a **Multi-Process Template** and reused with similar parts saving time and minimizing errors.

Agile organization of the Machining Processes to adapt the machining to your preferences by simply dragging and dropping.

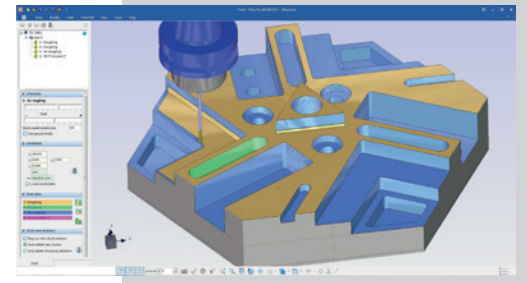
Optimization of the quality and speed of machining of each machine thanks to postprocessors optimized for each machine model.



Automatic recognition of areas to be machined



Milling path calculation



Machining simulation

### Postprocessors

**fikusSt** for milling has postprocessors for most of the NC controls on the market, such as:

- HEIDENHAIN
- FANUC
- FAGOR
- OKUMA
- SIEMENS
- SELCA

### Data interface

**fikusSt** can read data from other CAD systems in the following formats:

- IGES
- DWG
- DXF
- STEP
- HPGL
- Solidworks
- Parasolid
- Cimatron E
- ISO formats
- Bitmap files



website: [www.metalcam.com](http://www.metalcam.com)

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