visualcam fikusSt

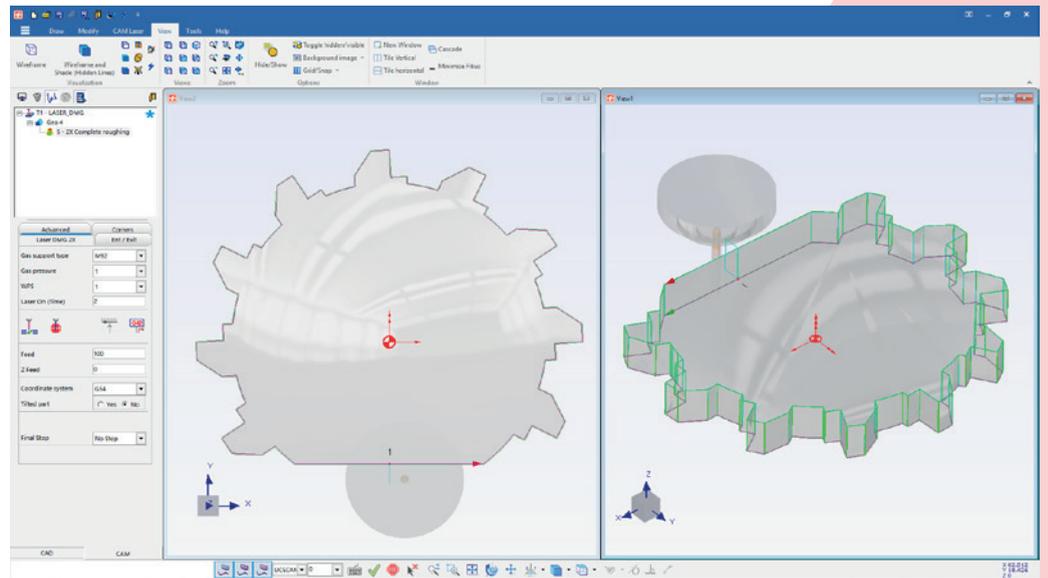# Fast, flexible and productive CAD/CAM for 2D cutting machines

FikusSt offers a fast, flexible and productive solution for the programming of CNC machines of any 2D cutting technology. FikusSt allows you to program jobs quickly and easily thanks to its intuitive interface and advanced functions specific to each type of machine.

FikusSt controls any specific parameter of the different technologies. It also has advanced cutting optimization functions, customization of the machining order and a powerful nesting module.

Machining simulation

Features of FikusSt for 2D cutting machines

Complete solution. From the design to the creation of the cutting program for the CNC machine

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

Advanced functions that reduce preparation time for more complex jobs

Templates, custom databases, or technological points increase productivity

Cutting optimization including customization of the machining order

Nesting module (optional) to increase productivity exponentially

All the advanced functions of each cutting technology are available

Verification of G-Code before sending it to the machine for greater efficiency

Any 2D cutting technology. **fikus**St is available for all 2D cutting technologies, with specific parameter tables and dedicated postprocessors: laser, water jet, oxycut, plasma, plotter...

fikusSt has command menus adapted to each machine, which control any specific parameter, such as water pressure or abrasive in jet machines, or penetration, cutting width, laser diameter or power in laser machines.
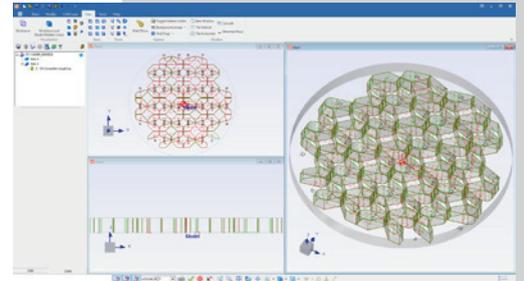
CAD designed for the workshop that speeds up the geometric definition of the part. An agile and powerful CAD with efficient functions to create and edit geometry, extract contours, dimension, edit texts, etc.

Advanced features and machining wizards to increase productivity and dramatically reduce production time. Templates, custom databases or technology points help the user increase productivity.

Optimization of the workflow. fikus St has cutting optimization functions that include customization of the machining order and a powerful nesting module (optional).
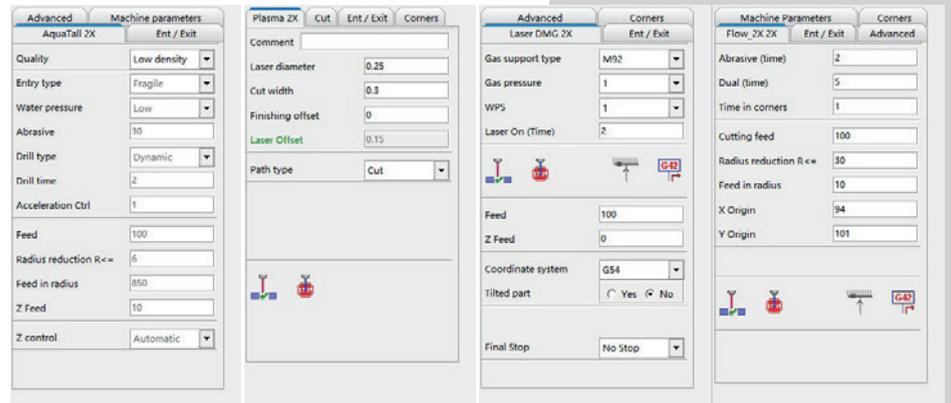
The **advanced functions** included in **fikus**St, such as templates, customizable databases, technological points, cut optimization or transformations allow drastically increase productivity.

Advanced calculation algorithms. **fikus**St will do all the calculations in seconds and you will be able to simulate the cuts in the computer.

Nesting

Specific advanced functions for any cutting technology

Realistic simulation for visual machining. The final part (2D) can be displayed in realistic 3D by means of solids or wireframe representation, just like the cutting device. The machining simulation is shown by solids to give a realistic view of the process and the final result.

Machining manager on material for Nesting

Postprocessing and verifying is a simple process with **fikus**St. Thanks to the personalized postprocessors, **fikus** generates programs adapted to the characteristics of each machine for a higher quality and machining speed. It also allows to verify the program (G-Code) with the Ficed function of the CNC program editor and send it directly to the machine.

Technologies

fikus for cutting & routing machines includes all the specific parameters for any technology:
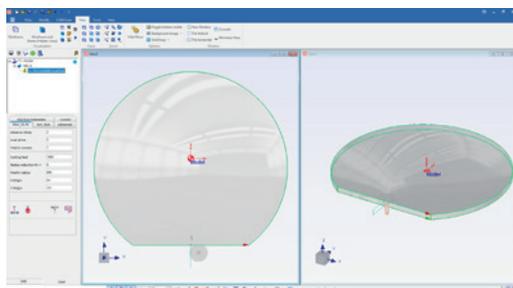
Water-flow	Marker Laser
Oxy-cut	Cutter Laser
Plasma	Plotters

Data Interface

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

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

⚒ Metalcam

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