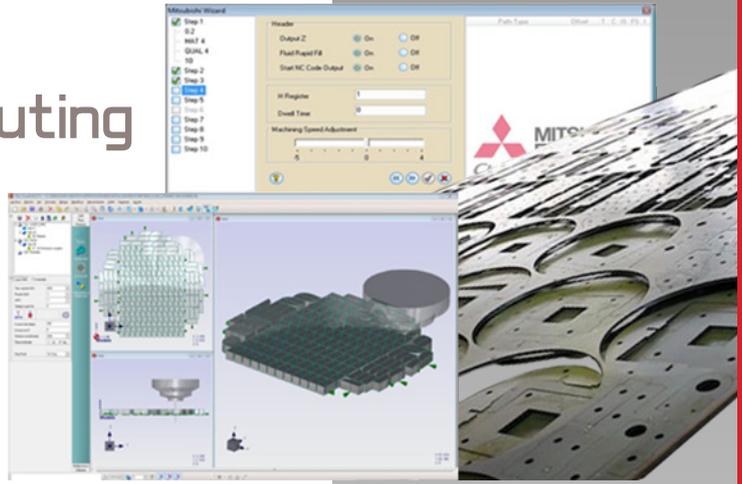


# visualcam fikus

## for 2D cutting and routing

**fikus** visualcam offers a flexible and complete solution for NC cutting and routing programming. Any cutting technology is supported by the **fikus** solution and allows you to program your works in an easy way and quickly, with an intuitive interface and advanced functions for any machine.



### Key Features

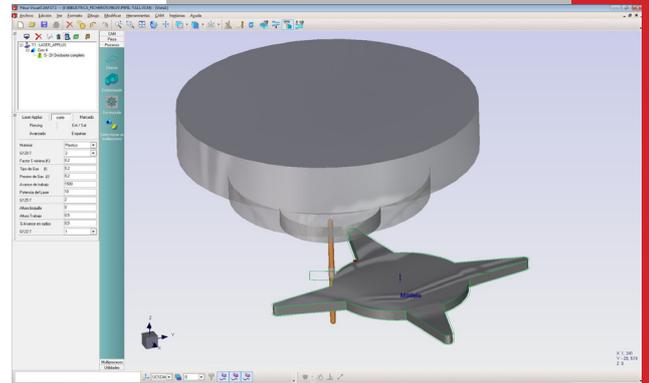
- **Complete solution.** From geometry creation to cutting or routing program for your NC machine.
- **Powerful 2D CAD.** Simplifies drawing and part definition.
- **Advanced tools.** Reduce the preparing time for complex jobs.
- **Specific functions.** All the advanced functions in each cutting technology are supported by **fikus**.

**Create and modify your geometry.** Whether you have to build your geometry from a drawing or you get it from a CAD system and you must modify it, **fikus** visualcam offers powerful functions to create and edit your CAD work:

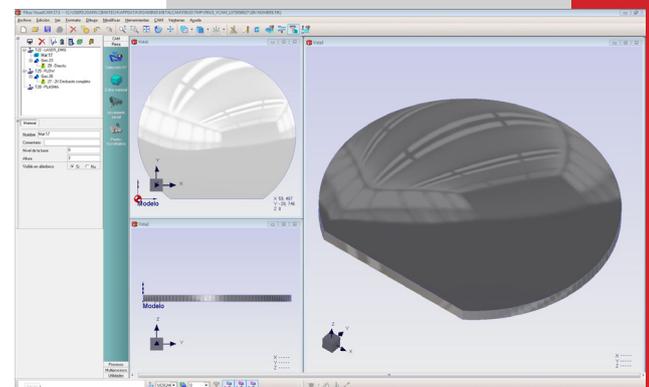
- Functions to generate wireframe geometry
- Functions to modify wireframe geometry
- Extract contours and work with surfaces
- Create gears, rack gears, texts and dimensions
- Use the 'fastedit' functions to quickly move, copy, scale and modify the geometry

**Easy to use.** The CAM manager leads the user through the logical sequential process of the cutting programming, from defining the geometry and creating the part to cut, to the process definition, calculation and CNC's programs post-processing.

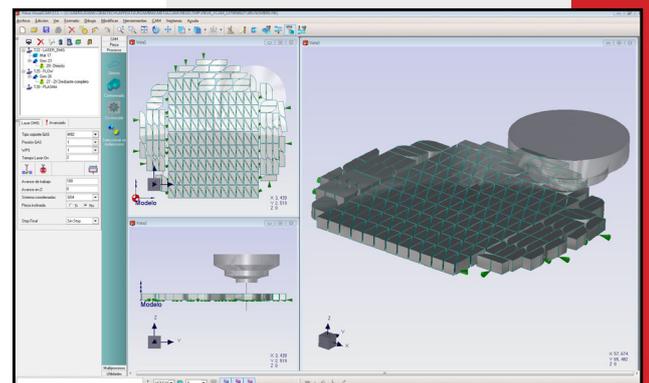
**Machining Wizard.** **fikus** offers many tools designed for productivity increasing and reduce time-to-market. Templates, customizable databases or technological points allow to reduce work hours drastically. **fikus** visualcam offers functions to copy, duplicate, rotate, or invert the geometry, and also to generate polar or rectangular matrices, etc.. **fikus** also offers cutting optimization functions for selecting machining order and, optionally, a powerful nesting module.



*Machining programming and final part view*



*Machining manager on material for Nesting*



*Nesting*

**Visual Machining.** The final part, 2D defined, can be shown in realistic 3D by solids or wireframe, together with the cutting tool. The machining simulation is shown with solids to offer a realistic view of the process and final result.

**Define your part.** You can draw your part with **fikus visualcam** by using the powerful CAD functions included: intelligent trimming, fast editon bar for geometry, gears, dimensioning or unlimited do-undo functions. **fikus** allows you to import geometries from other CAD systems thanks to the incorporated translators.

**Any technology.** **fikus visualcam** supports any 2D cutting technology, with specific parameter tables and dedicated post-processors: laser, water-flow, oxy-cut, plasma, plotter,... **fikus** for 2D cutting and routing machines offers command menus adapted to your machine, controlling any specific parameter as water pressure, abrasive, penetration, cutting width, laser diameter or power for laser machines.

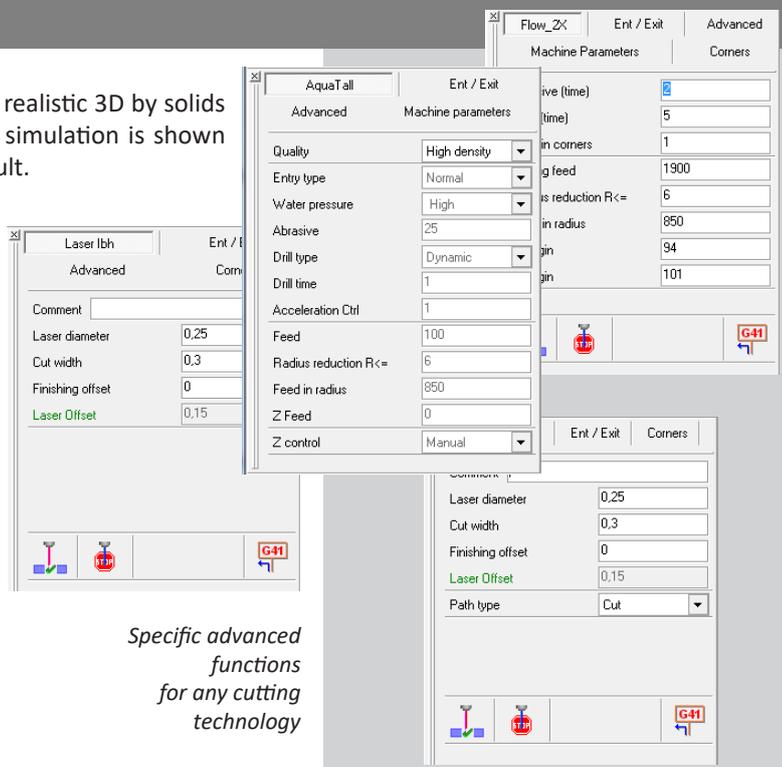
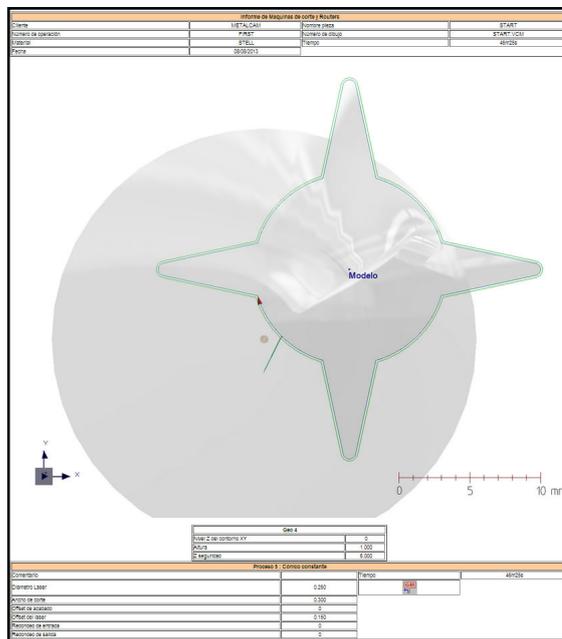
**Work process optimization.** The advanced functions included in **fikus**, as templates, customizable databases, technological points, cutting optimization or transformations, allow you to reduce the working time and increase dramatically your productivity.

**Calculate and Simulate.** Let **fikus visualcam** now do all the calculations and you can then proceed to simulate your job. The Cutting Simulator will show the part and the material as a solid. It will also show the current coordinates and taper angle (if applicable).

**Postprocess and verify.** Finally, you generate your machine program using **fikus visualcam** ready to use postprocessors. Verify the program with the integrated editor -Ficed- and even send it to the machine directly.

**Report.** Generate the documentation needed for the shop floor, including information as the entry point list and cutting order.

*Totally customizable Shop floor report*



*Specific advanced functions for any cutting technology*

**Technologies**

**fikus** for cutting & routing machines includes all the specific parameters for any technology:

- Water-flow
- Oxy-cut
- Plasma
- Marker Laser
- Cutter Laser
- Plotters

**Data Interface**

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

**Minimum system requirements**

- PC Computer with processor Intel Core 2 Duo 2GHz or higher (i7 recommended)
- RAM Memory: 2GB or bigger
- Graphic Card with OpenGL (NVIDIA recommended)
- Operating System: Microsoft Windows XP, Vista, 7 or 8 (32 and 64 bit)
- CD/DVD unit
- Hard Disk: 1GB free
- 3 buttons mouse

**Languages supported**

**fikus** is supported in the following languages: Chinese, English, French, German, Italian, Polish, Portuguese, Russian, Spanish and Turkish.

Metalcam S.L. (Spain)

Barcelona: C/ Berruguete, 90 T: 932 74 90 40  
 Burgos: C/ Caja de Ahorros Municipal, 1, 4º E T: 947 26 35 72

Metalcam Technologies Pvt. Ltd. (India) 1st Floor, No.01, 80 Feet Road, Opp. George Thangaiyah Complex, Indira Nagar, Bangalore, Karnataka 560038 India T: +91 80 4095 5866

Metalcam China (China) Beijing: 6, Xinyuannan Rd. Chaoyan Dist. T: +86 10 84865223

e-mail: info@metalcam.com

