

visualcam fikus

for integrated Mill-turn centers

fikus visualcam for integrated Millturn centers offers a flexible and productive solution for the programming of machines that combine milling and turning machining processes.

fikus visualcam is specially designed to work with driven tool lathe machines and turning centers that incorporate four or more axis with an independent milling spindle.

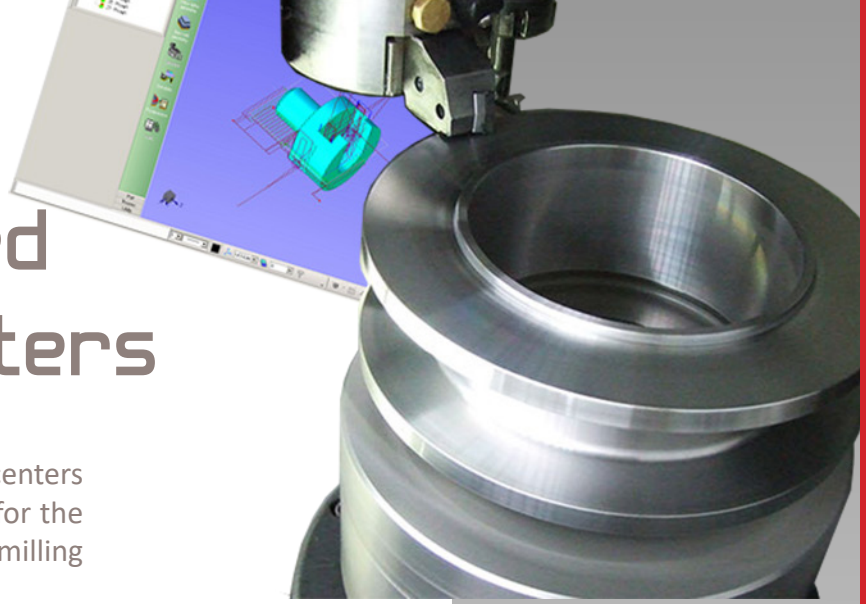
Key Features

- Reduces time-to-market drastically.
- Simplifies the geometry creation and the definition of complex parts.
- The machining wizards assist to complete the job easily and safely in only a few seconds.
- Complete your job easily and safely and let **Fikus Visualcam's** CAM manager guide you through the logical machining process.
- Complete solution for 2D lathe: turning, facing, boring, finishing, drilling, threading, side and frontal groove, cut-off.
- Complete solution for milling 2, 2.5 and 3 axes: roughing, pre-finishing, finishing, drilling cycles, groove, roughing and surfaces finishing and residual areas.

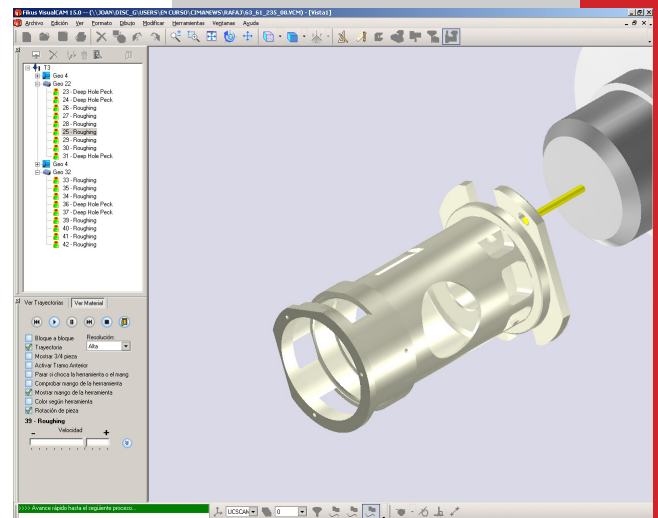
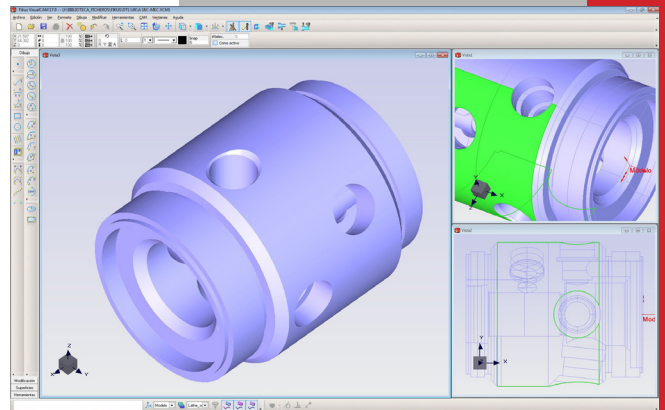
Easy to use. The CAM manager guides the user through the logical process of programming of parts, since its geometric definition and up to the creation, calculation and postprocessing of the toolpath.

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** offers you powerful functions to create and edit your CAD job:

- Functions to generate wireframe geometry
- Functions to modify wireframe geometry
- Extract contours and work with surfaces
- Create gears and texts
- Geometry dimensioning
- Use the 'fastedit' functions to quickly move, copy, scale and modify the geometry
- Unlimited undo / redo

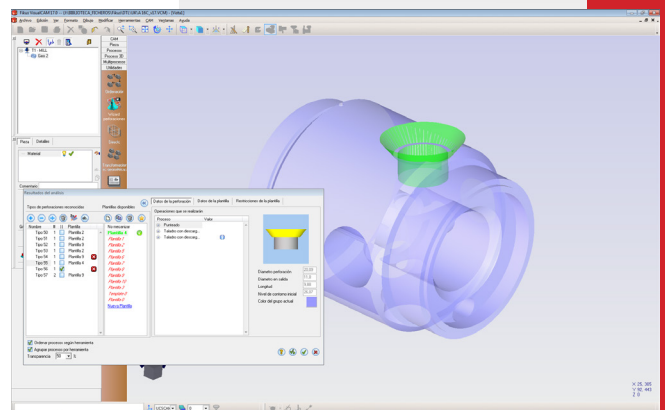


Surface part ready to machining



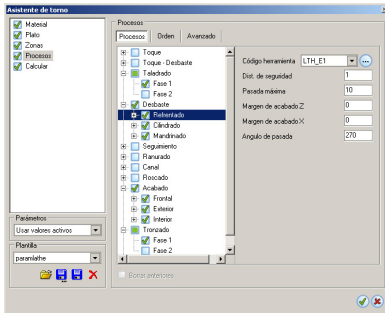
Machining simulation showing tool working

Wizard for automatic drill recognition, creation and machining



Use the Wizards to quickly and automatically generate your machine programs. **Fikus Visualcam** offers you several specialized functions and wizards to help you to complete the programming in a few seconds, easily and safely. Click on the Lathe or the Drilling Wizard icons, set the relevant parameters for your machine and the wizards will do all the job automatically.

Define your part. Define the part to turn and add the areas to mill. **Fikus Visualcam** offers you multiple possibilities to do it. The machining Wizards can do it automatically. For non-cylindrical Mill-turn parts, **Fikus** can generate the revolution contour for the lathe. The defined part will be shown by **Fikus Visualcam** as solid or wireframe.



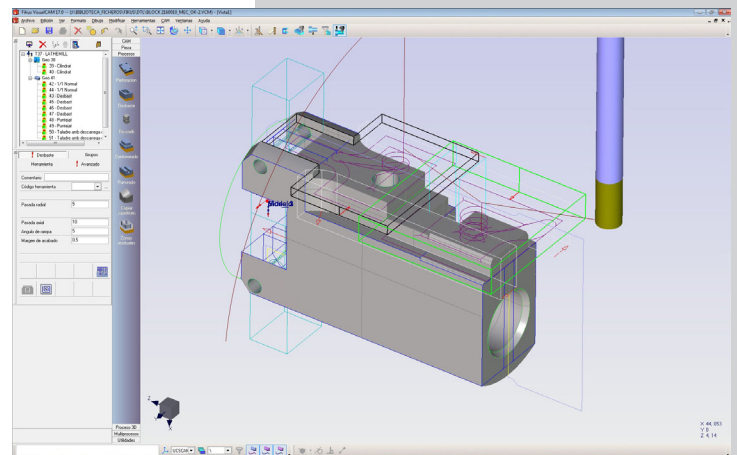
Processes. Is the part definition ready? Then let's go to machine it! Apply one of the turning processes (turning, face turning, profiling, threading, finishing, ...) or milling processes (roughing, finishing, drilling, ...) for side, front or 4X milling. Set the technological parameters (tool, feed, ...) and you have finished.

Do you need another process with a different offset or tool? You only have to "copy" and "paste" and modify the relevant values. Reorder your process simply dragging and dropping.

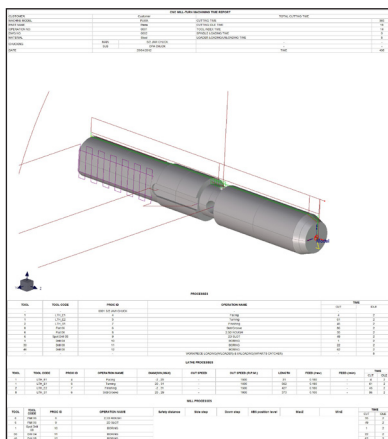
Templates. Is your machining strategy well defined and proved? Save it as a template and use it with other similar parts. You will save time and you will make sure that you are using a proved strategy.

Wizards. Let the machining Wizard to select and define the geometry and automatically apply the machining processes. Just watch how it is doing all the job for you.

Calculate and Simulate. Now just let **Fikus Visualcam** to do all the calculations and you are ready to simulate the toolpath on the computer. **Fikus Visualcam** will show the part, the stock and the tool as solids.



Machining processes and machine parameters



Postprocess and verify. Finally, generate your G-Code program using the customized postprocessor for your machine. You can now verify the program with the **Fikus CNC Editor** and even send it directly to the machine.

More functions. **Fikus Visualcam** offers many more functions, between them: Report generation for the shop floor and quotation, tool table for different machines and materials, toolpath transformations (matrices, copy, simmetry, ...), and much more.

Fully customized machining report for shop floor

Post-processors

Fikus Visualcam for integrated Mill- turn centers has post-processors ready for most of the machines, for example:

- MAZAK
- OKUMA
- CITIZEN
- MORISEIKI
- TORNOS
- TRAUB

Data Interface

- IGES
- DWG
- DXF
- STEP
- HPGL
- Solidworks
- Parasolid
- Cimatron E
- ISO Formats
- Bitmap Files

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

Available languages

Catalan, Chinese, English, French, German, Italian, Polish, Portuguese, Russian, Spanish and Turkish.

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