fikusPlus combines a great solid modelling CAD and a fast and efficient 2, 2.5 and 3D milling CAM for production shop floors.

Open, Edit, Machine it!
FikusPlus enables anyone to create, edit, or repair geometry without worrying about underlying technology.

The Surface Machining Module has all the necessary functions to machine complex 3D surfaces, included advanced optimization options.

Powerful and faster solids 3D CAD

FikusPlus brings 3D solid modeling to the desktops of engineers and CAM programmers who do not want to become experts in traditional feature-based CAD systems. FikusPlus helps engineers interact with CAD geometry in exciting new ways. Any engineer can make dramatic edits to models, conceptualize on-the-fly, and communicate quickly and easily with colleagues, customers, and suppliers.

Modeling for CAM leadership

FikusPlus’s 3D Direct Modeling technology revolutionizes the way you think about working with 3D solid models because it lets you focus on your design without the complexity of traditional CAD.

Intuitive tools such as Pull and Move let you directly select portions of the model and move them where you want. The Combine tool slices and divides parts into pieces and lets you merge in portions from other designs. The Fill tool cleans up small features and fills holes. Together, these direct modeling tools let you get your job done without resorting to traditional CAD.

De-feature and simplify parts for analysis or manufacturing and optimize the design without being constrained by original modeling intent.

From a blank slate, start drawing 3D shapes as easily and freely as you would on the back of a napkin.

With FikusPlus, working with 3D modeling software becomes fast, easy, flexible, and rewarding.

CAD Key Features

- Creation and handling of solids and surfaces
- Don’t worry about where the file comes from
  - Edit, repair and create any geometry
  - Make changes on-the-fly
- Spend less time struggling with geometry
- Increase productivity by removing the CAD bottleneck
The Surface Machining Module has got all the necessary functions to machine complex 3D surfaces, included advanced parameters that would allow you to enhance optimization and customization... in case you would need to. The Adaptive roughing strategy keeps the cutting conditions constant by maintaining a consistent engagement of the cutting tool. This constant tool load combined with a smoother toolpath transition reduces machining time and enhances tools and machine’s life.

Machining processes. When the part is already defined, is time for machining. We must apply to the geometry a process for drilling, roughing, finishing or slotting, and to define the technological parameters (tools, feeds...) Do you need to repeat the same process changing only some parameters? You only need to “copy and paste” and change the relevant values. Re-organize your processes by only dragging with the mouse.

Now you can store your machining strategy as a template and use it again with other similar parts; you will be sure using a tested efficient strategy. fikusPlus can also select drills automatically -including different plane orientations-, classify them...
by types and machine them. You only need to “teach” the program how to do it the first time for any type of drill.

**Calculation and simulation.** FikusPlus will calculate the most efficient tool-paths and show it to you in a realistic way, together with the part, the material and the machine shown as solids.

**Always keep track of the stock.** FikusPlus takes account of the previous processes to avoid air cuttings, providing optimal toolpaths and precise gouge checking, the complete control of collision between stock, tool and machine parts. The simulator allows you to easily review with precision the output you expect to achieve.

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**Postprocessors**

Fikus Visualcam for Milling includes postprocessors for most of CNC controls in the market, as:

- HEIDENHAIN
- OKUMA
- FADAL
- MAZAK
- FANUC
- SIEMENS
- MAKINO
- GRUNDIG
- FAGOR
- SELCA
- HAAS
- FIDIA
- DMG-MORI
- MITSUBISHI

**Data Interfaces**

Work with popular common formats: ACIS, STEP, IGES, ECAD, Rhinoceros, SketchUp, CGR, DWG, DXF, STL, OBJ, XAML, VRML, and 3D PDF *.

* Requires Adobe Acrobat 9 Pro Extended

**Optional Modules**

- Data Exchange Package I: Pro/ENGINEER, Autodesk Inventor, CATIA v4, VDA
- Data Exchange Package II: SolidWorks, Parasolid, NX
- CATIA v5 Data Exchange
- JT Open Data Exchange
- TraceParts standard parts Library
- Luxion KeyShot photorealistic rendering

**Minimum system requirements**

- CPU: Intel i5 or higher (i7 recommended)
- RAM: 4 GB RAM or higher
- Operating Systems: Microsoft® Windows 7, 8, 10 64-bit
- Hard disk: 8GB free memory minimum
- Video Card: ATI® Radeon R300, R420, R520, R600, or R700 series.
  - Radeon 9x00 cards (9700, 9800, …) or newer.
  - NVIDIA GeForce® FX, 6, 7, or 8 series.
  - NVIDIA FX5200s or newer.
  - AMD FireGL™ T2-128 or higher (including the ‘Mobility’ series for laptops)
- 3 button mouse

**Languages supported**

Chinese, English, French, German, Italian, Japanese, Korean, Polish, Portugese and Spanish.

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**Metalcam**

**website:** www.metalcam.com

**SPAIN**

Metalcam S.L.
C/ Berruguete, 90
Barcelona
Tel: +34 932 74 90 40
e-mail: info@metalcam.com

**MEXICO**

Tel: +52 442 290 37 44
e-mail: mexico@metalcam.com

**CHINA**

Tel: +86 10 848 652 23
e-mail: china@metalcam.com

**USA**

Tel: +1 847 526 21 78
e-mail: usa@metalcam.com

**INDIA**

Tel: +91 961 168 69 44
e-mail: india@metalcam.com

**GERMANY**

Tel: +32 477 507 961
e-mail: germany@metalcam.com

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