fikusSt
visualcam

Millturn
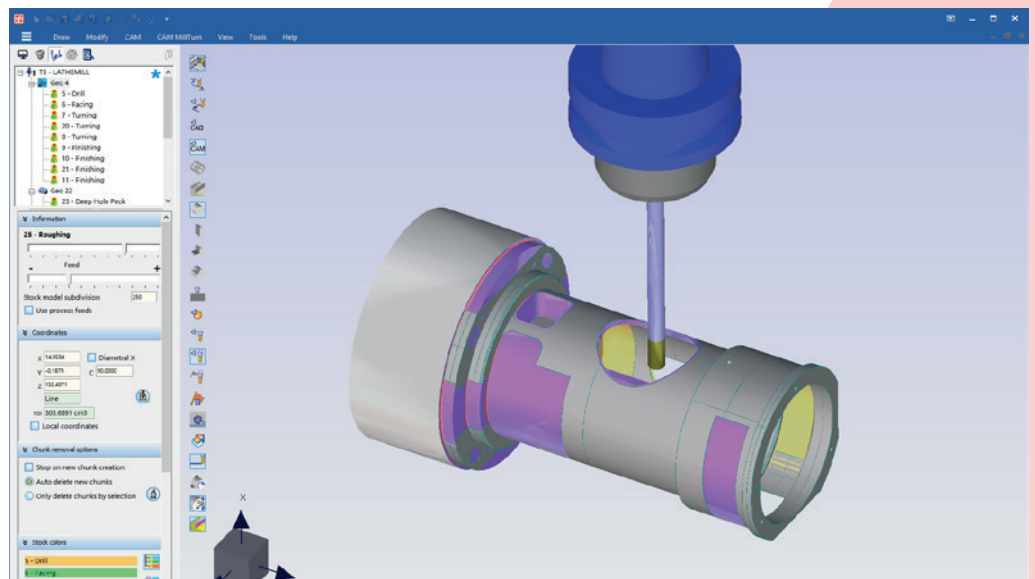
A single environment for programming lathe and milling tasks

fikusSt for turning and milling centers is a solution productive and flexible for the programming of the machines that combine milling and lathe machining processes. **fikusSt** is specially designed to work with power tool turning machines and machines with four or more axes with independent lathe and milling heads.

A single platform with Fikus solutions for lathe and milling, allowing maximum automation of work and continuous improvement of processes to ensure maximum efficiency, productivity and quality of each part in each machine.

Machining simulatrion

FikusSt features for combined lathe-mill cycle machines

Optimum 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

Efficient paths thanks to the most advanced calculation algorithms

Automatic Feature Recognition

Virtually automatic milling and drilling processes reduce man-hours programming time

Multi-process templates to achieve ever-increasing efficiency and productivity rates

Complete solution for turning and milling in 2, 2.5 and 3 axes. All lathe or milling operations can be carried out almost automatically or manually.
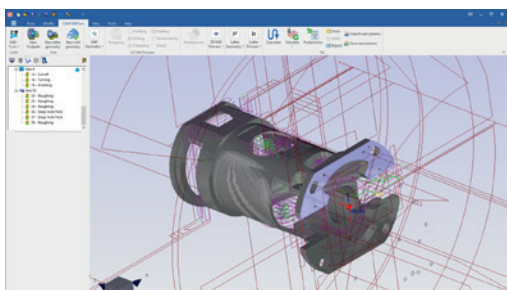
CAD designed for the shop floor that speeds up the geometric definition of the part. An agile and powerful CAD with efficient functions for creating and editing geometry, extracting contours, dimensioning, editing texts, etc.

Several Machining Wizards help to complete the programming in a few seconds, in a safe and easy way. Both the Lathe Assistant and the Drill Assistant, once the machine parameters have been determined, can carry out the programming automatically.

Table of Lathe Tools that allows you to create inserts and tool holders from their ISO code and define the feed and cutting parameters according to the machine and the material to be machined.

The Automatic Machining Wizard for Lathe analyzes the geometry of the part and detects all its characteristics automatically. The machining strategy and all its processes are defined, applied and calculated without requiring user intervention.

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.

Manual processes. You can also create new zones to mechanize or apply new processes manually. To change the machining order, just drag and drop with the mouse.
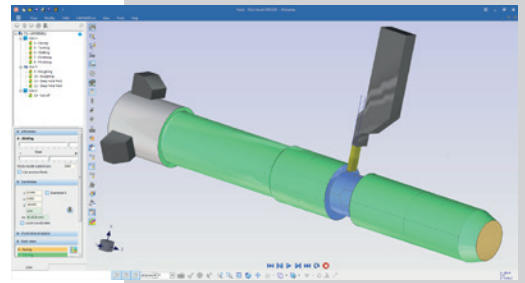
The Surface Machining Module has all the necessary functions for machining complex 3D shapes, including advanced options for optimization.

The Machining Strategy can be defined or modified by the user with his preferred tools and parameters and store different configurations for different types of parts.
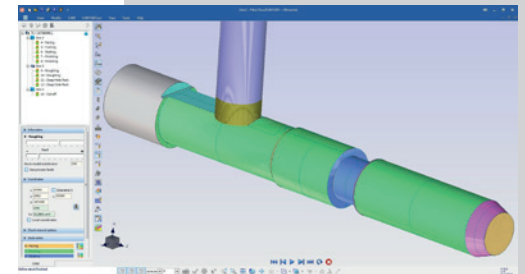
Increasingly efficient. From that moment fikus5t will apply your preferences to new jobs in just a few seconds efficiently and without errors.

Postprocess and verify. Generate the machining program using fikus5t's custom postprocessor for your machine. You can verify the program with the fikus CNC editor and even send it directly to the machine.
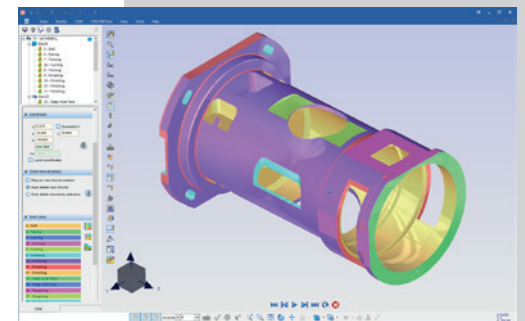
More functions. fikus5t offers many more functions, including: Generation of workshop reports, tool library for different machines and materials, machining transformations (dies, copy, symmetry, ...), and many more.

Simulation of turning and milling processes

Simulation with visualization of the final part

Postprocessors
fikus5t for milling has postprocessors for most of the NC controls on the market, such as:

- FAGOR
- OKUMA
- HAAS
- MORI-SEIKI
- FANUC
- SIEMMENS

Data Interface
fikus5t can read data from other CAD systems in the following formats:
- IGES
- DWG
- DXF
- STEP
- HPGL
- Solidworks
- Parasolid
- Cimatron
- ISO formats
- Bitmap files

Calculation of machining paths

Metalcam

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