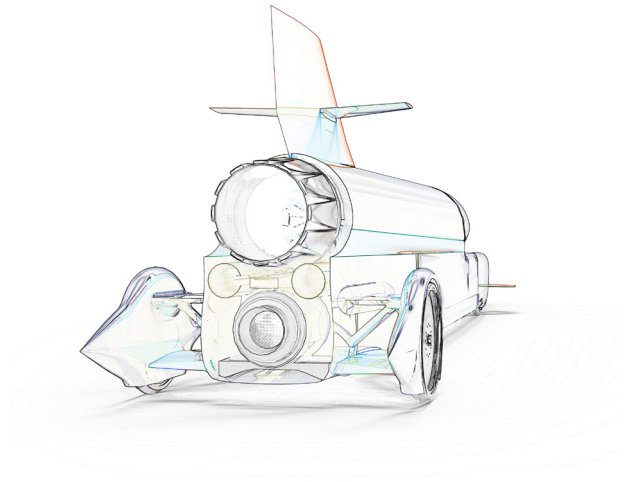


FeatureCAM 2015 R3

Feature-based CAM software for mills, multi-tasking lathes and wire EDM

www.featurecam.com



FeatureCAM 2015 R3

- High-speed programming,
high-quality results

FeatureCAM 2015 R3 delivers a wide range of new features and improvements including greater control over 5-axis operations and more comprehensive tool support in turning. Safety and workflow efficiency have been enhanced with better collision clipping, machine simulation limits and a new selection method.

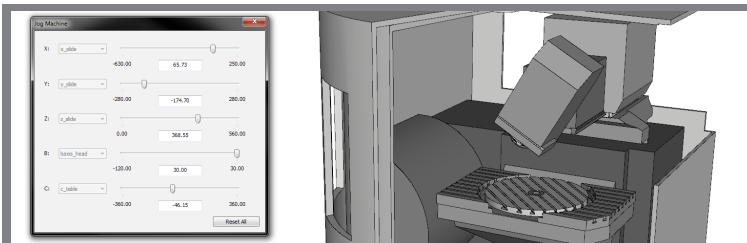
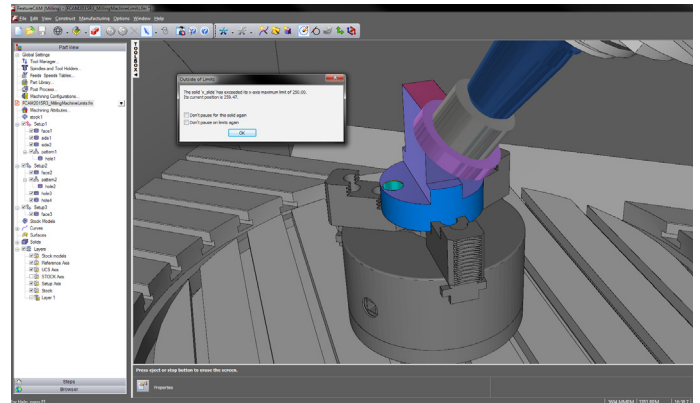
**DID YOU
KNOW**



You can add your own routines for any feature at any time, for ultimate customisation.

New features and enhancements include:

- Milling Machine Limits
- Turning Machine Limits
- Partial Box Selection
- Accurate Shank and Holder Collision Clipping
- Index Limit Calculation from Machine Attributes
- 5 Axis 2D Spiral
- Turning Head Holders
- Mini Turrets
- Orientation Angle

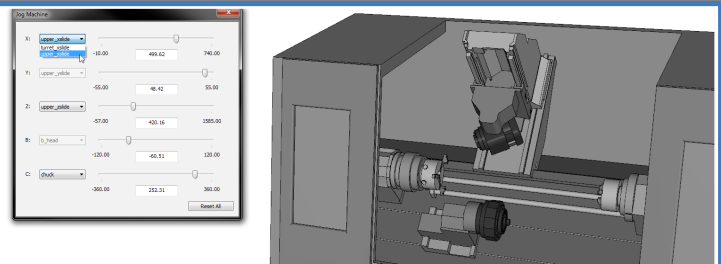


Milling Machine Limits

Milling limits have been added to allow you to set physical constraints for 3, 4 and 5-axis milling machine simulation models. Setting the limits for the linear and rotary machining axes saves time and money, while improving safety by checking the machining range before part production.

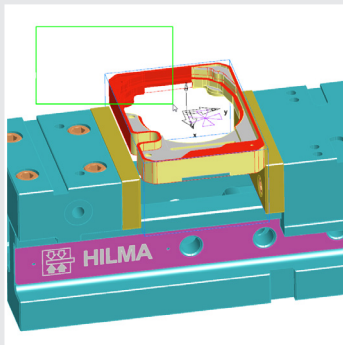
Turning Machine Limits

In addition to milling limits, limits are also supported in turning and turn/mill, including machines with multiple turrets and spindles. This means the machining range of even your most complex machines can now be checked before manufacturing begins.



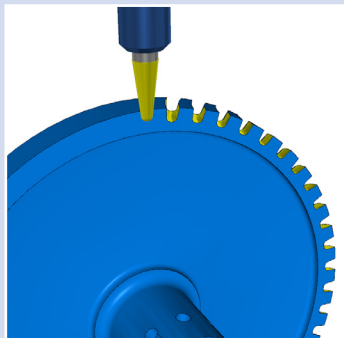
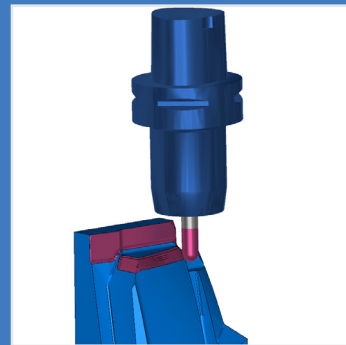
Partial Box Selection

Selecting components within your model has been made even easier with the addition of partial box selection. Adding to the fully contained and drag selection modes, this new mode allows you to box select partially and fully enclosed entities at once, maximising your workflow efficiency.



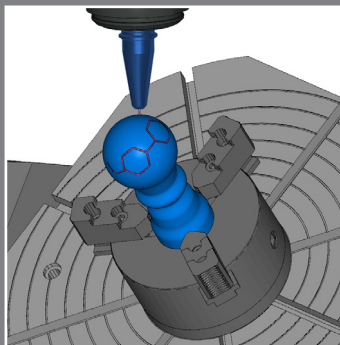
Accurate Shank and Holder Collision Clipping

In addition to the parameter-based holders, 3-axis collision checking has been enhanced with the ability to clip toolpaths when using holders derived from curves and solid models. This results in safer machining and easier programming, as a more accurate representation of the holder can now be used.



Index Limit Calculation from Machine Attributes

The ability to change the method of calculating the index limit is now available from the machining attributes dialog. This option calculates the limits based on the size of the solid revolve resulting in an index clearance more efficiently close to the model.

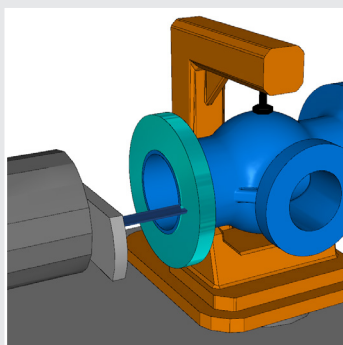


5 Axis 2D Spiral

Support for 5-axis is now available in 2D spiral operations, giving better control of the tool axis. Spiral 2D wall only toolpaths for example, can benefit from 5-axis options, ensuring uniform depth of cut and cross section while engraving.

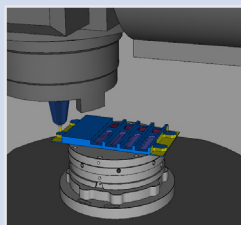
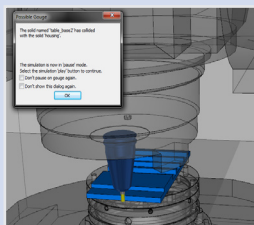
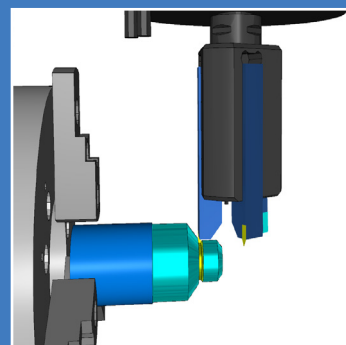
Turning Head Holders

A new add-in allows FeatureCAM to support special tool holders that can turn when used on a milling machine, known as turning heads.



Mini Turrets

The ability to program mini turrets, which allow more flexible tool positioning and faster tool changes on the machine, can now be programmed in Turn/ Mill when used in conjunction with a B-axis head. This allows for more accurate simulation and NC code generation within FeatureCAM.



Orientation Angle

More control is now available during 5-axis part programming with the ability to set the C-axis orientation about the Z-axis. This new feature helps avoid possible machine collisions and over travel, making programming safer and more efficient.

I cannot visualise running this business without FeatureCAM software.

Ed Padgett, Padgett Machine
www.delcam.tv/padgett

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