FeatureCAM 2016 - high quality machining, short programming time.

FeatureCAM 2016 delivers a wide range of new features and improvements including added control for 2.5D groove features, reductions in the machining time of 2.5D and 3D Vortex toolpaths and dynamic stock models for 3Droughing.

With support for multi-tasking bar-fed milling machines and increased complexity for turning head simulation, FeatureCAM 2016 addresses the most advanced machining environments, helping you create parts quickly to the standard you and your customers demand.

New features and enhancements include:

- User interface improvements
- FeatureRECOGNITION setup creation
- Nesting
- Autodesk RealDWG Import
- New Inside/Outside Groove toolpath
- 2.5D and 3D Vortex non-cutting moves
- Dynamic stock for roughing
- Swarf Z limits
- Bar fed mills
- Realistic turning heads
- Automatic tool orientation

User Interface Improvements

Highlight part view items with your cursor in the graphics screen to quickly and easily find and select desired items. Additionally, change the tool colour during simulation with a toolbar button or menu item.

FeatureRECOGNITION Setup Creation

Reduce your programming times by rapidly creating additional setups during FeatureRECOGNITION via a new button in the Feature Wizard.
Vortex Non-Cutting Moves
Adjust the non-cutting moves of your 2.5D and 3D Vortex toolpaths, with options to retract and lift or increase the feedrate, to optimise your toolpaths and reduce cutting time.

Autodesk RealDWG Import
Quickly import Autodesk RealDWG files into FeatureCAM and benefit from support for DWG solid model import.

Vice Import And Alignment
Quickly import and align pre-defined vices and chucks into your FeatureCAM project. This helps reduce your programming times and improves collision checking, by automatically setting imported devices as clamps.

Nesting
Use FeatureCAM with PowerSHAPE to select your machining files and nest them in a single block to maximise stock material usage efficiency.

New Inside/Outside Groove Toolpath
Fine-tune your Inside/Outside Groove toolpaths with new options for rough stepover type, wind-fan and start points for finishing, and gouge checking for plunge and retracts, in addition to support for tool radius and partline cutter compensation.

Swarf Z Limits
Control the upper and lower Z limits of a 5-axis simultaneous swarf toolpath to overcome tool length limitations, or when you wish to vary the stepdown for different segments of the swarf.

Dynamic Stock For Roughing
Keep your Z-Level Roughing toolpaths completely free of tool holder collisions by taking into account any remaining stock on a model, with Holder Collision Clipping.

Realistic Turning Heads
Define more complex turning head tool holder models in the Machine Design file, and assign your tools to the holders via the tool mapping.

Bar Fed Mills
Program your multi-tasking bar-fed milling machines with FeatureCAM. Access the back working area by setting the swivel angle, and utilise cut-off operations that use milling tools.

Swarf Z Limits
Control the upper and lower Z limits of a 5-axis simultaneous swarf toolpath to overcome tool length limitations, or when you wish to vary the stepdown for different segments of the swarf.

Realistic Turning Heads
Define more complex turning head tool holder models in the Machine Design file, and assign your tools to the holders via the tool mapping.

Automatic Tool Orientation
Simplify the turning tool selection process with the ability to automatically use a single tool in multiple orientations, minimising your tool crib size and reducing the time taken to program parts.

A new version of FeatureCAM is released every 4 months.

Visit www.delcam.tv/lz and see how Delcam software could benefit your business!