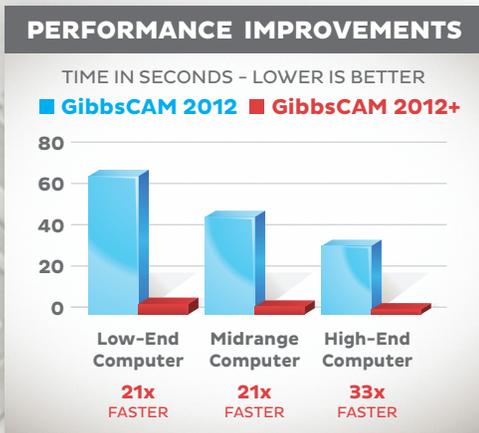
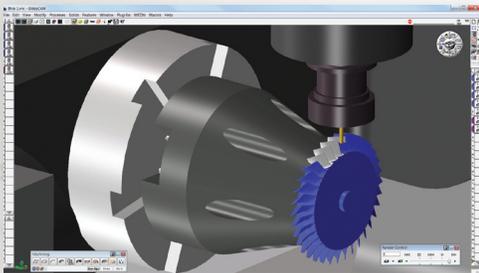


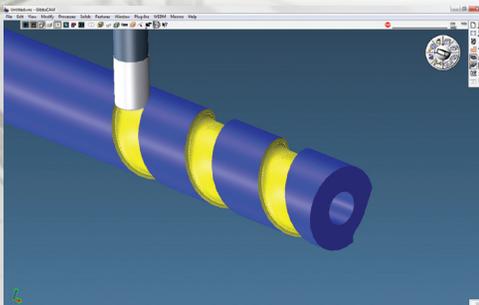
The **GibbsCAM 2012+** release includes tremendous speed and performance improvements, including a rendering option specifically geared for multi-axis parts, improved cutting strategies, and many productivity enhancements. This new version includes improvements for all levels of GibbsCAM, including the Mill and Lathe Production, SolidSurfacer, Radial Milling, Multi-Task Machining (MTM) and 5-Axis options, delivering ongoing value to existing Maintenance customers as well as new users.



TREMENDOUS SPEED IMPROVEMENTS



IMPROVED GOUGE AND TOOL INTERFERENCE DETECTION



RADIAL MILLING IMPROVEMENTS INCLUDE UNSEGMENTED HELICAL TOOLPATHS

SPEED IMPROVEMENTS

To boost speed and productivity for all GibbsCAM users, the GibbsCAM 2012+ rendering engine takes full advantage of multi-core and multi-threaded computer hardware to drastically boost processing speed. Part rendering speed is now up to 33 times faster, depending on specific computer hardware and part complexity. Increased rendering speed saves programming time and reduces programming costs.

MULTI-AXIS RENDERING

GibbsCAM 2012+ includes a Multi-Axis Rendering option free of charge with each seat of the software. Formerly an over \$2,000 option, Multi-Axis Rendering provides significant accuracy improvements for rotary milling applications, especially when displaying toolpaths with continuous changes in both tool position and orientation. Improved gouge and tool interference checking for tilting tools shows customers programming errors before they become costly mistakes on the shop floor.

RADIAL MILLING

Improvements to Radial Milling include the ability to produce a smooth, unsegmented, helical toolpath, which takes advantage of native machine-based linear and circular interpolation capabilities. The benefits of this type of toolpath include vastly simplified post processor output, potential savings of hundreds of lines of G-code, and reduced machining time.

NEW CUTTING STRATEGIES

GibbsCAM 2012+ includes new cutting strategies for parts with open-sided pockets, very thin walls, shallow cut areas and a highly efficient G-code program. In addition, material only clean-up areas provide customers with optimized toolpaths.

CAD INTEROPERABILITY

Updated support for all popular CAD systems with a broad set of interoperability options. ACIS, CATIA (V4 and V5), DXF, IGES, Parasolid (x_t, xmt, and binary), Solid Edge, VDA-FS, Creo Elements/Pro (formerly Pro/ENGINEER), Step AP203/AP214, Rhinoceros, KeyCreator, Autodesk DWG, Autodesk Inventor, STL, SolidWorks, and Siemens NX formats are currently supported. Transfer models from within CimatronE, Autodesk Inventor, KeyCreator, Rhinoceros, Solid Edge or SolidWorks directly to GibbsCAM for programming using custom add-ins.