**CAMWorks®**
An HCL Technologies Product

- **Automatic Feature Recognition (AFR)** automatically recognizes machinable turned features on native Solid Edge part models or on solid models imported via IGES, SAT, etc. AFR analyzes the part shape and attempts to define the most common machinable features. Feature-based machining reduces programming time by as much as 90% compared to traditional CAM software. Features can be modified to add or remove elements, add or delete areas to be machined or to limit the toolpath.

- **Interactive Feature Recognition (IFR)** provides an intuitive and easy-to-use wizard interface for inserting user-defined features

- **Full Model to Toolpath Associativity** automatically updates the toolpaths and CAM data to design changes made to the model

- **Knowledge-Based Machining** allows you to capture and reuse your programmers' and machinists' best programming practices using the patented TechDB (Technology Database). The TechDB reduces programming time by as much as 80% and provides a company-owned database to store employee knowledge and skill.
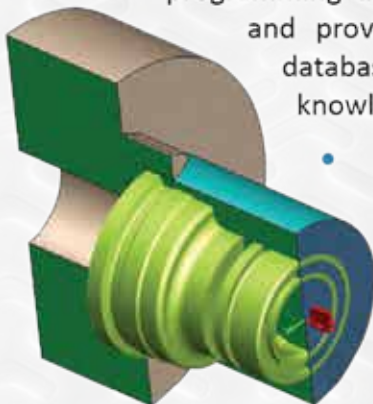
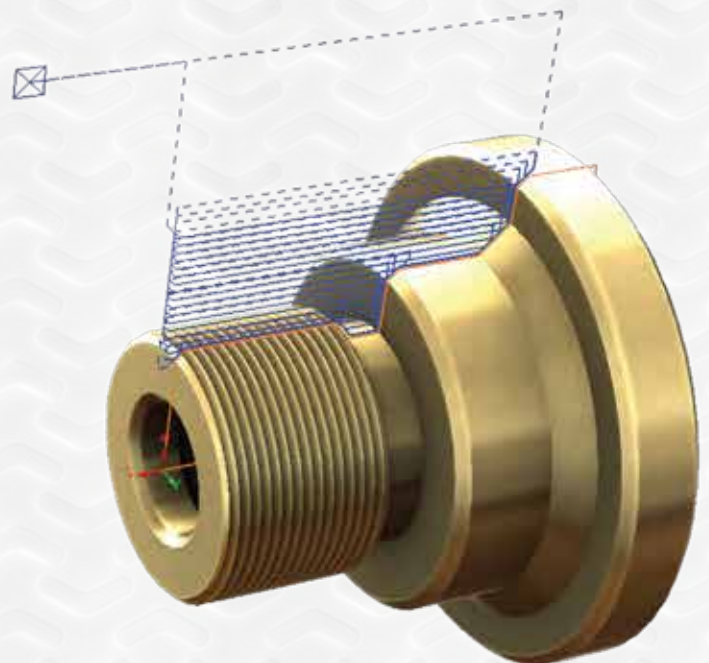- **Seamless Integration Inside Solid Edge** ensures that the design model and CAM model share a common interface with the same intuitive menus, toolbars, and view manipulation, thus allowing users to quickly master the software. The CAM data is integrated and stored along with the CAD model automatically in a single file.
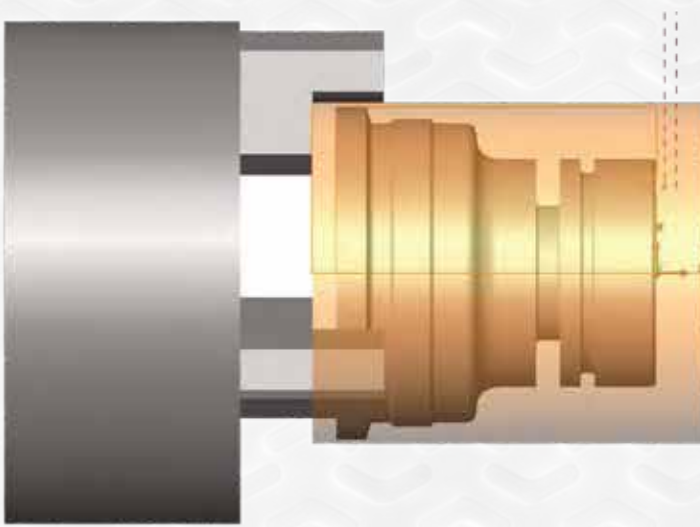
- **2- and 4-Axis Turning** includes automatic roughing, finishing, grooving, threading, cutoff and single-point (drilling, boring, readming, tapping) cycles

- **Gang Tool Support** for tool holders with sub-stations, includes multiple tool offset support and custom tool graphics support for accurate simulation and verification of toolpath

- **Canned Cycle Support** for drilling, rough OD/ID turning and facing operations, OD/ID threading canned cycles, and more

- **Realistic Simulation** display for operations. CAMWorks simulations also provides full toolpath
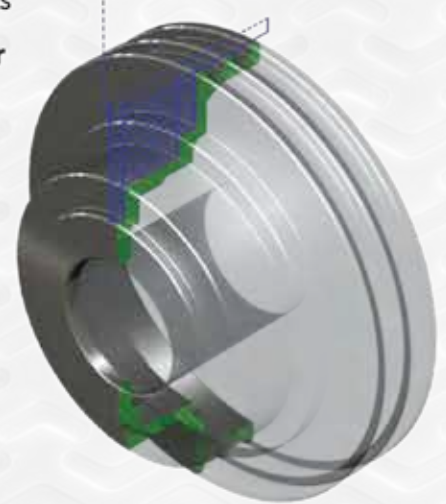
Solution Partner
SIEMENS
PLM

CAMWorks®
An HCL Technologies Product

• Updated Step-Through Toolpath Manager for easy display and step-through of toolpath including synchronous operations with rear and front turrets

• Post Processor Support for all major machines including 2- and 4-Axis support for either front or rear turret lathes

simulation and collision detection support. Metallic materials will feed control and the ability to simulate sections views are included.

• Accurate, First-Time-Right Machining. The CAMWorks cutting cycles provide fast, error-free toolpaths to ensure first-time-right programs that reduce setup time and cycles times for front turret and rear turret lathes.

• Cutter Compensation Support for turn, face, and bore rough operations with canned cycles including turn, face, bore and groove finish opeations, and cutoff

• Stock Manager defines stock automatically using a bounding cylinder and allows users to easily add stock or define stock using a revolved sketch, 2D WIP (work in progress) file or an STL file, to support castings and forgings as stock

CAMWorks Modules are available in a variety of bundles or combinations:

- 2.5-Axis Mill
- 3-Axis Mill
- Multi-Axis Machining
- Mill Turn
- 2- and 4-Axis Turning
- Wire EDM
- CAMWorks VoluMill™
- CAMWorks Virtual Machine