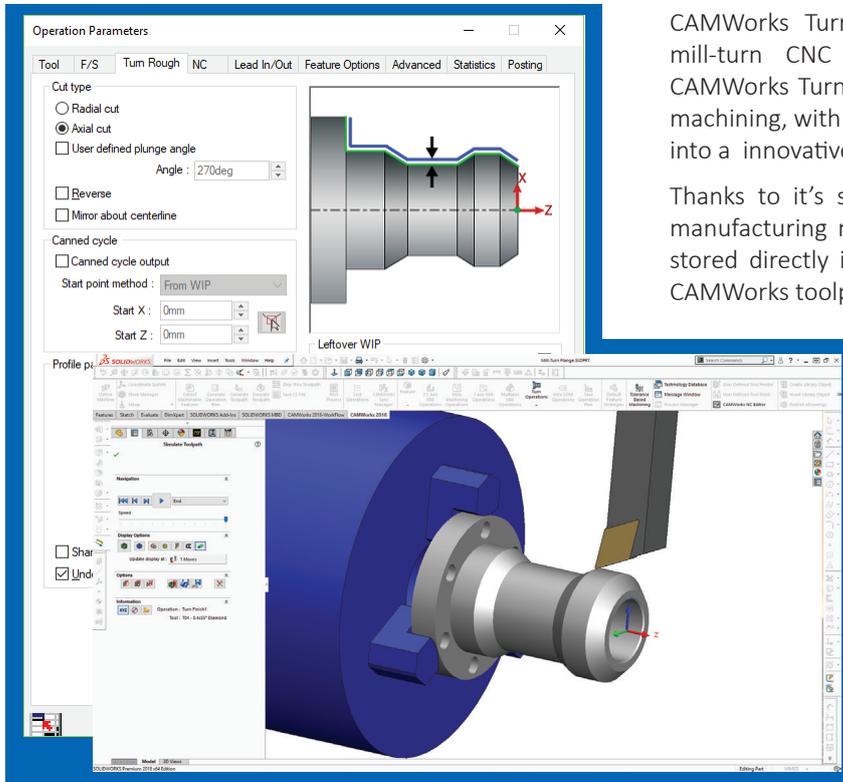CAMWorks®
An HCL Technologies Product

goengineer

CAMWorks® Turning Professional
Program Smarter, Machine Faster

CAMWorks Turning Professional provides the ultimate turning and mill-turn CNC programming solution available for **SOLIDWORKS®**. CAMWorks Turning Professional combines feature and knowledge based machining, with a full suite of advanced turning and mill-turn capabilities... into a innovative easy to use system.

Thanks to it's seamless integration with SOLIDWORKS, the design and manufacturing model become one in the same. All of the CAM data is stored directly inside the SOLIDWORKS part and assembly files and the CAMWorks toolpaths update automatically to design changes!
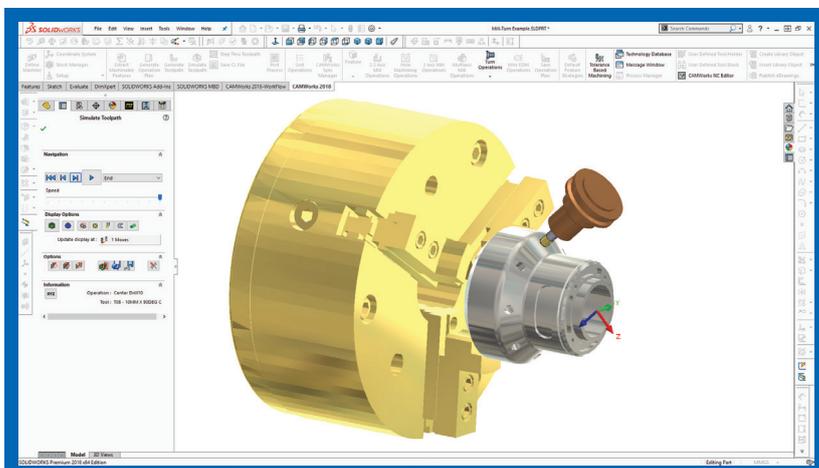
CAMWorks seamless integration and automation are just two of the reasons SOLIDWORKS selected CAMWorks to power the new SOLIDWORKS CAM included in every new seat of SOLIDWORKS and all of the SOLIDWORKS CAM data is fully compatible with CAMWorks.

Parts that took hours to program can now be programmed in minutes using the innovative technology found only in CAMWorks. CAMWorks Turning Professional is the ideal solution for 2 & 4 axis turning and up to 11 axis mill-turn CNC machines.

> "CAMWorks has been a huge part of our success in getting NC code to the floor quickly and in having confidence in the offerings we make"

Neil Porter, CEO of NCAD Products

CAMWorks® Turning Professional at a Glance

- Advanced turning and mill-turn capabilities including support for turning canned cycles, C, Y & B axis machining at compound angles, and both fixed & free C axis rotary milling on the face and OD of parts.
- Dual turret and sub-spindle support for 2 & 4 axis turning centers and up to 11 axis mill-turn centers.
- CAMWorks Sync Manager for synchronous (simultaneous) turning and mill-turn machining.
- CAMWorks Virtual Machine with full collision detection to virtually prove-out programs and reduce setup time.
- VoluMill 2.5 axis ultra high-speed machining for rough milling operations.
- Automatically reads all SOLIDWORKS CAM data!

CAMWorks®
An HCL Technologies Product

CAMWorks is the most advanced CAM solution available and is fully integrated within SOLIDWORKS. CAMWorks uses the same SOLIDWORKS geometry to generate tool paths to ensure that the part you've modeled is the same part you machine. CAMWorks seamless integration and automation are just two of the reasons SOLIDWORKS chose CAMWorks to power the new SOLIDWORKS CAM and all of the SOLIDWORKS CAM data is fully compatible with CAMWorks.

CAMWorks is easy to use and easy to learn!

Some of the other benefits of CAMWorks include:

- As much as a 90% reduction in programming time
- Up to 80% reduction in cycle time
- Capture Your Best Practices- and Knowledge Based Machining to automate CNC programming
- Promote standardization and consistency
- Reduces time-to-market for new products and avoid rework and scrap!.
- Increase your profit, reduce delivery time, and improve your quality!

CAMWorks Solutions:

- **CAMWorks Standard**- Full 2.5 axis part and assembly milling , 4 & 5 axis indexing, rotary and undercut machining, Automatic Feature Recognition, Feature - Knowledge- & Tolerance Based Machining, and full 2 axis turning with sub-spindle support, for CNC lathes.

- **CAMWorks Milling Professional**- All of the CAMWorks Standard features and… advanced 3 axis rough & finish milling and Mill-Turn capabilities.

- **CAMWorks Turning Professional**- All of the CAMWorks Standard features and… CAMWorks Mill-Turn capabilities, Sync Manager for synchronized machining, and Virtual Machine Standard for machine simulation.

- **CAMWorks Premium**- All of the features in all of the systems listed above… and advanced 4 & 5 axis simultaneous milling is also included!

About CAMWorks

CAMWorks the next generation best-in-class CNC programming solution that enables users to program smarter and machine faster was originally introduced in 1997. This state-of-the-art solids CAM product is designed for product-oriented manufacturing companies, and is available for machining centers, turning, mill/turn, and wire EDM applications. CAMWorks® with Machining Intelligence is the most advanced CAM programming software available for getting products to market faster, more efficiently, and within budget.