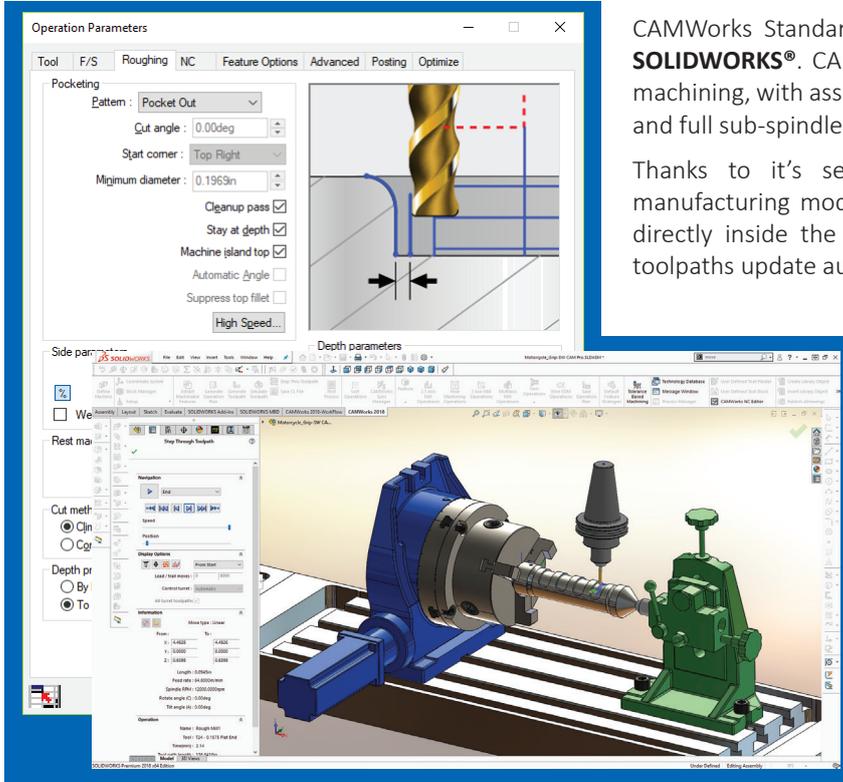


# CAMWorks® Standard

## Program Smarter, Machine Faster



CAMWorks Standard is the perfect integrated CNC programming solution for **SOLIDWORKS®**. CAMWorks Standard combines feature and knowledge based machining, with assembly machining, 4 & 5 axis indexing, advanced rotary milling, and full sub-spindle support for turning into a single easy to use integrated system.

Thanks to its 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!

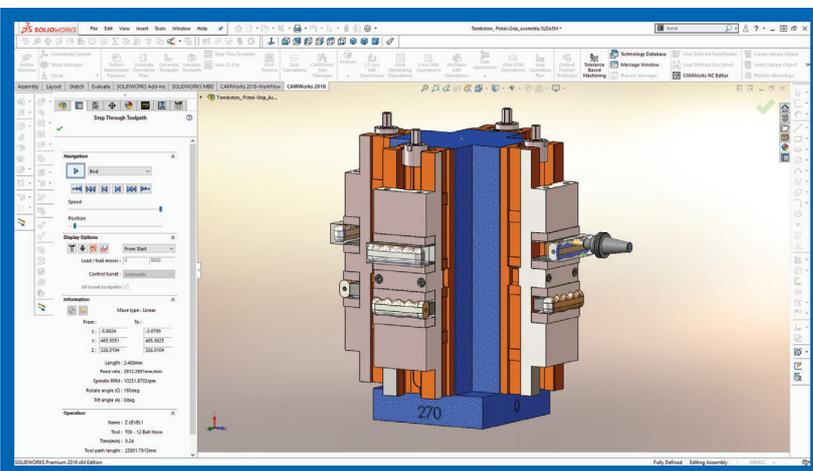
CAMWorks seamless integration and automation are just two of the reasons SOLIDWORKS selected CAMWorks to power the new SOLIDWORKS CAM included in every new seat of SOLIDWORKS and all of the SOLIDWORKS CAM data is fully compatible with CAMWorks.

Parts that took hours to program can now be programmed in minutes using the innovative technology found only in CAMWorks. CAMWorks Standard is the ideal solution for your CNC programming needs including SOLIDWORKS 2 axis turning with full sub-spindle support, 2.5 axis & rotary milling and 3 + 2 assembly milling including full support for 4 axis tombstone fixtures.

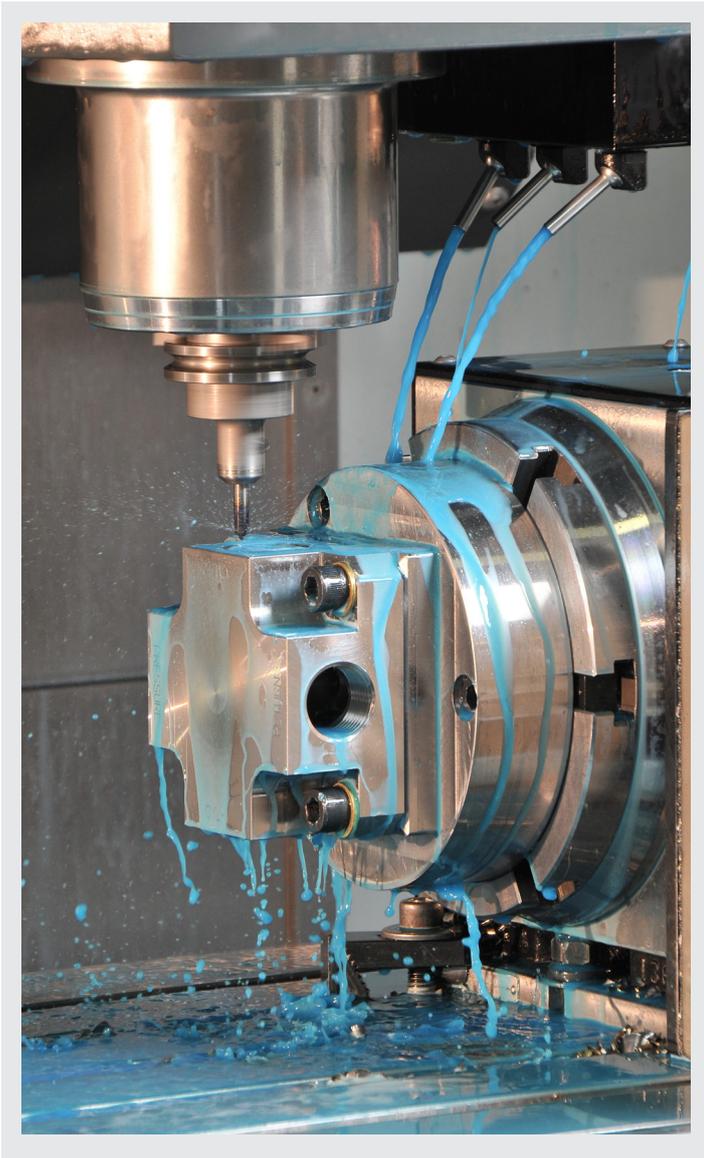
If You're designing in SOLIDWORKS and want to start machining, get CAMWorks!

Lynn Bradbury – Mechanical Designer, Catrike

## CAMWorks® Standard at a Glance



- 2.5 axis and limited 3 axis milling with rotary milling capabilities for machining wrapped features.
- SOLIDWORKS part & assembly programming including 4 & 5 axis indexing (3+2 machining) and horizontal tombstone machining with sub-program & sub-routine support.
- 2 axis turning with canned cycle and full sub-spindle support for lathes with sub-spindles.
- Feature and knowledge based machining to capture and automatically use your best practices.
- Toolpath simulation with material removal, work holding & fixture display, and collision detection.
- Automatically reads all SOLIDWORKS CAM data!



**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<sup>®</sup> with Machining Intelligence is the most advanced CAM programming software available for getting products to market faster, more efficiently, and within budget.