SOLIDWORKS | CAM
Powered by CAMWorks

HCL

Did you know you have SOLIDWORKS CAM

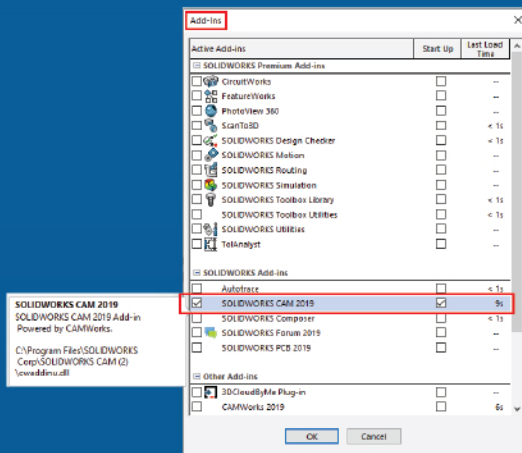Automating CNC Programing with SOLIDWORKS CAM

SOLIDWORKS CAM is an integrated 2.5 & 3 axis CNC milling and 2 axis CNC lathe programming solution powered by CAMWorks.

By utilizing the emerging technologies of Model Based Definition (MBD) and Knowledge Based Machining, SOLIDWORKS CAM can rapidly transform your design-to-manufacturing process by improving communication, reducing errors, reducing cycle times, and increasing your product quality.

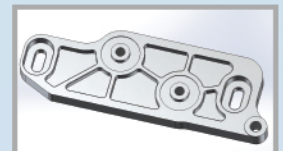**CAMWorks is the only CAM system that is 100% compatible with SOLIDWORKS CAM!**

Where can I find SOLIDWORKS CAM in SOLIDWORKS?

Every seat of SOLIDWORKS 2018 and later currently on subscription, includes SOLIDWORKS CAM Standard

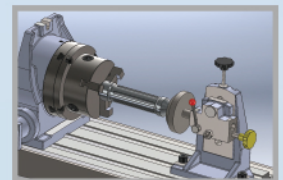You can find SOLIDWORKS CAM under Add-ins

Which SOLIDWORKS CAM Package is right for you?

SOLIDWORKS CAM Standard includes programming for individual 2.5 & 3 Axis Milling parts and includes Tolerance-Based Machining (TBM)

SOLIDWORKS CAM Professional builds on the capabilities of SOLIDWORKS CAM Standard to increase programming capabilities. SOLIDWORKS CAM Professional adds: Assembly Machining, Turning, 3+2 Milling, High-Speed Machining, and support for multiple SOLIDWORKS CAM configurations

Where Can I Get Post Processors?

Post processors are a critical part of any CAM system. Their basic function is to translate the toolpath you see on screen to machine-readable code (G-code), but with the right post processor you can reduce machine cycle time, remove manual editing and provide more information to your operators for a faster setup time

Here is the link for our post processor library -
https://camworks.com/post-processor-library/

Where Can I Access SOLIDWORKS CAM Trainings & Webinars?

CAMWorks team conducts SOLIDWORKS CAM trainings and webinars every quarter. You can register for webinars on below link

https://camworks.com/new-events/webinar-learn-solidworks-cam-today/

You can also reach out to your local SOLIDWORKS reseller and
https://www.solidprofessor.com/

SOLIDWORKS CAM BENEFITS

Reduce Programing Time

- Simplifies collaboration - single design and programming environment allows easier transition to CAM
- Rules-based machining allows companies to capture their best practices
- Feature-based intelligent machining
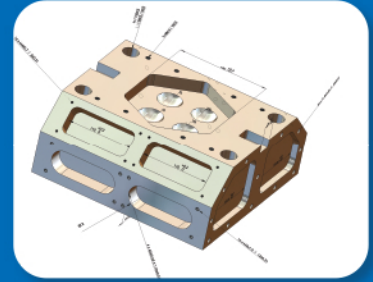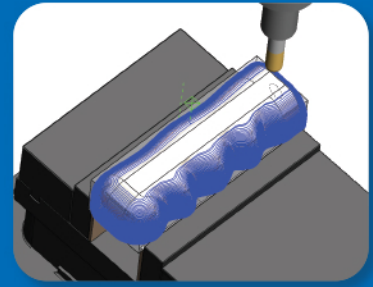
Improve Quality

- Automatically updates toolpaths to design changes
- Utilizes concurrent development process - allowing companies to perform tasks sooner, find problems earlier, and reduce rework and scrap

Faster Cycle Times

- Reduce cycle time up to 80%
- Increase tool life up to 500%
- Often doubles machining capacity

Tolerance Based Machining

- Reads SOLIDWORKS MBD/DimXpert dimensions and surface finishes
- Automatically selects machining strategies to meet the specified tolerances

Function	SOLIDWORKS CAM Standard	SOLIDWORKS CAM Professional	CAMWorks Standard	CAMWorks Milling Standard	CAMWorks Turning Standard	CAMWorks Milling Professional	CAMWorks Turning Professional	CAMWorks Premium	CAMWorks Bundle Add-Ons
2.5 Axis Milling Plus*	✔	✔	✔	✔	✔	✔	✔	✔	
Cimco Editor/DNC	✔	✔	✔	✔	✔	✔	✔	✔	
2.5 Axis VoluMill		✔	✔	✔	✔	✔	✔	✔	
Probing		✔	✔	✔	✔	✔	✔	✔	
3 Axis Milling - L1*		✔	✔	✔	✔	✔	✔	✔	
4/5 Axis Indexing		✔	✔	✔	✔	✔	✔	✔	
Turning		✔	✔	✔	✔	✔	✔	✔	
Sub-Spindle			✔	✔	✔	✔	✔	✔	
Rotary Milling		✔	✔	✔	✔	✔	✔	✔	
3 Axis Milling - L2*				✔		✔		✔	
Mill-Turn					✔	✔	✔	✔	
3 Axis Milling - L3*						✔		✔	
Synchronous Machining for Lathes							✔	✔	✔
Virtual Machine Standard							✔	✔	✔
4 Axis Milling (Add-On to Milling Pro only)								✔	✔
5 Axis Simultaneous								✔	

Products available as Bundle Add On

3 Axis VoluMill
Virtual Machine Professional
Virtual Machine Premium
PrimeTurning™
CAMWorks Utilities

Additional Product Options

Wire EDM
NestingWorks
CAMWorks ShopFloor

* 2.5 Axis Milling Plus includes 2.5 Axis Milling plus Area Clear Roughing, Flat Area and Z-Level Finishing

* 3 Axis Milling L1 includes all of the above plus a Z-Level Finishing combined cycle for steep/shallow machining

* 3 Axis Milling L2 Includes all L1 functionality plus Pattern Project, Constant Step, Pencil Milling, 3 Axis Rest Machining, Curve Project, and Legacy Rough & Finish Mill

* 3 Axis Milling L3 Includes L2 functionality plus Multi-Axis Operations including Undercutting, Fillet Machining, and NURB Surface Machining

PrimeTurning™ is a Sandvik Coromant product.

CAMWorks

About CAMWorks:

CAMWorks is an intuitive CAM software combining production-proven feature based CAM technology, automatic feature recognition, and rules based machining along with tolerance based machining to leverage MBD and PMI technology to automate Smart Manufacturing for CNC programming – paving the way to advanced digital manufacturing.

For more details, please visit www.camworks.com or contact camworks.inquiries@hcl.com