

HCLSoftware

Did you know you have **SOLIDWORKS CAM?**

Automating CNC Programming
with SOLIDWORKS CAM

 **SOLIDWORKS** | CAM
Powered by CAMWorks

HCL CAMWorks

SOLIDWORKS CAM Standard is included in every seat of SOLIDWORKS 2018 and later, currently on subscription. SOLIDWORKS CAM is a 2.5-axis and 3-axis CNC milling and 2-axis CNC lathe programming solution powered by CAMWorks and fully integrated with SOLIDWORKS, removing the need to maintain separate CAD and CAM part files.

SOLIDWORKS CAM uses advanced CAD/CAM technologies, including feature-based programming, automatic feature recognition and knowledge-based machining to improve cycle times, reduce errors and increase productivity.

How do I access SOLIDWORKS CAM?

If you are using SOLIDWORKS Version 2018 or later and are currently on subscription, you already have SOLIDWORKS CAM Standard. To activate it, go to the SOLIDWORKS Add-Ins menu and select SOLIDWORKS CAM.

Where can I get post processors?

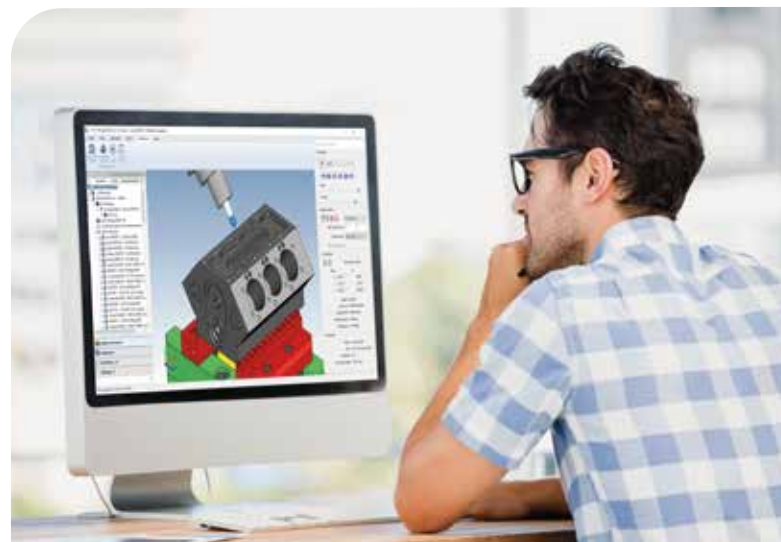
Post processors are a critical part of any CAM system to reduce cycle time and manual editing. HCL offers a free post processor library at <https://camworks.com/post-processor-library/>.

What are the training options?

HCL's CAMWorks team conducts SOLIDWORKS CAM getting started training webinars every quarter. You can register at www.camworks.com/new-events. Other training is available through SolidProfessor and with your local SOLIDWORKS reseller.

SOLIDWORKS CAM Benefits

- **Shorter Programming Times** with integrated CAD/CAM that automatically updates toolpaths to design changes and removes the need to maintain separate CAD and CAM part files
- **Improved Quality** with rules-based machining that captures your best practices and re-uses them automatically to increase consistency and improve quality through standardization
- **Faster Cycle Times** with VoluMill and PrimeTurning™ options that often double machining capacity



Which SOLIDWORKS CAM package is right for you?

SOLIDWORKS CAM Standard includes programming for individual 2.5-axis and 3-axis milling parts, including Tolerance-Based Machining (TBM). SOLIDWORKS CAM Professional adds Assembly Machining, Turning, 3+2 Milling, High-Speed Machining and support for multiple SOLIDWORKS CAM configurations. When you are ready for additional functionality, you can easily expand your CAM programming to more advanced levels. Because SOLIDWORKS CAM is powered by CAMWorks, your SOLIDWORKS CAM data is fully compatible with CAMWorks. Your part files, TechDB data and post processors are all bi-directionally compatible between SOLIDWORKS CAM and CAMWorks.

Function	SOLIDWORKS CAM Standard*	SOLIDWORKS CAM Professional*	CAMWorks Standard	CAMWorks Milling Standard	CAMWorks Turning Standard	CAMWorks Milling Professional	CAMWorks Turning Professional	CAMWorks Premium
2.5 Axis Milling Plus*	✓	✓	✓	✓	✓	✓	✓	✓
Cimco Editor/DNC	✓	✓	✓	✓	✓	✓	✓	✓
2.5 Axis VoluMill		✓	✓	✓	✓	✓	✓	✓
Probing		✓	✓	✓	✓	✓	✓	✓
4/5 Axis Indexing		✓	✓	✓	✓	✓	✓	✓
Turning		✓	✓	✓	✓	✓	✓	✓
3 Axis Milling - L1*		✓	✓	✓	✓	✓	✓	✓
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 Add-On

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

Additional Product Options

- Wire EDM
- NESTINGWorks
- CAMWorks ShopFloor

* SOLIDWORKS CAM Standard includes parts only machining

* SOLIDWORKS CAM Professional includes parts and assembly machining

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

* 3 Axis Milling L1 adds a Z-Level Finishing combined cycle for steep/ shallow machining

* 3 Axis Milling L2 adds Pattern Project, Constant Step, Pencil Milling, 3 Axis Rest Machining, Curve Project, and Legacy Rough & Finish Mill

* 3 Axis Milling L3 adds Multi-Axis Operations including Undercutting, Fillet Machining, and NURB Surface Machining



HCL CAMWorks

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About HCLSoftware

HCLSoftware develops, markets, sells, and supports product families in the areas of Digital Transformation, Data, Analytics & Insights, AI & Automation and Enterprise Security platforms. HCLSoftware is the cloud-native solution factory for enterprise software and powers millions of apps at more than 20,000 organizations, including more than half of the Fortune 1000 and Global 2000 companies. HCLSoftware's mission is to drive ultimate customer success with its IT investments through relentless product innovation.

<https://www.hcl-software.com>