



HCL CAMWorks and SOLIDWORKS CAM Product Functionality

HCL CAMWorks and SOLIDWORKS CAM, developed by HCLSoftware, provide advanced CAD/CAM technologies to program smarter and machine faster. Both are fully embedded in SOLIDWORKS® and any changes made to part designs are automatically updated in the machining operations and toolpaths. Part files, TechDB files, and post processors are bi-directionally compatible between SOLIDWORKS CAM and HCL CAMWorks.

Function	SOLIDWORKS CAM Standard* ¹	SOLIDWORKS CAM Professional* ²	CAMWorks Standard	CAMWorks Milling Standard	CAMWorks Turning Standard	CAMWorks Milling Professional	CAMWorks Turning Professional	CAMWorks Milling Premium	CAMWorks Turning Premium	CAMWorks Ultimate
Cimco Editor/DNC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.5 Axis Milling Plus* ³	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Z-Level Combo Cycle		✓	✓	✓	✓	✓	✓	✓	✓	✓
2.5 Axis VoluMill		✓	✓	✓	✓	✓	✓	✓	✓	✓
Probing		✓	✓	✓	✓	✓	✓	✓	✓	✓
4/5 Axis Indexing		✓	✓	✓	✓	✓	✓	✓	✓	✓
Turning		✓	✓	✓	✓	✓	✓	✓	✓	✓
Sub-Spindle			✓	✓	✓	✓	✓	✓	✓	✓
Rotary Milling			✓	✓	✓	✓	✓	✓	✓	✓
3 Axis Milling – L1* ⁴ & L2* ⁵				✓		✓		✓	✓	✓
Mill-Turn					✓	✓	✓	✓	✓	✓
3 Axis Milling - L3* ⁶						✓		✓	✓	✓
Synchronous Machining for Lathes* ⁷							✓	✓	✓	✓
Virtual Machine Standard* ⁷							✓	✓	✓	✓
4 Axis Milling (Add-On to Milling Pro only)								✓		✓
5 Axis Simultaneous								✓		✓
Swiss Machining									✓	✓

Products available as Bundle Add-On

4 Axis Milling (add-on to Milling Pro only)

3 Axis VoluMill

VoluTurn

Virtual Machine Professional

Virtual Machine Premium

PrimeTurning™

CAMWorks Utilities

Additional Product Options

Wire EDM

NESTINGWorks

CAMWorks ShopFloor

PrimeTurning™ is a Sandvik Coromant product.

*1 SOLIDWORKS CAM Standard includes parts only machining.

*2 SOLIDWORKS CAM Professional includes parts and assembly machining.

*3 2.5 Axis Milling Plus includes 2.5 Axis Milling plus Area Clear Roughing, Flat Area and Z-Level Finishing.

*4 3 Axis Milling L1 adds Helical and Adaptive Machining.

*5 3 Axis Milling L2 adds Pattern Project, Constant Step, Pencil Milling, 3 Axis Rest Machining, Curve Project, and Legacy Rough & Finish Mill.

*6 3 Axis Milling L3 adds Multi-Axis Operations including Undercutting, Fillet Machining, and NURB Surface Machining.

*7 Synchronous Machining for Lathes and Virtual Machine Standard are available as add-ons to any HCL CAMWorks product. Virtual Machine products include Machine Aware Programming.

For more information, please contact your local HCL CAMWorks Reseller or email camworks.inquiries@hcl-software.com.

To request a personalized demonstration of HCL CAMWorks, please visit www.camworks.com.