BobCAM
for SolidWorks™

THE NEXT GENERATION IN FULLY INTEGRATED CAM SOLUTIONS

BobCAD-CAM™

BobCAM
for SolidWorks™

The latest BobCAM for SolidWorks CNC Software Add-In provides users the ability to program their designed parts right inside SolidWorks. BobCAM v3 provides you with all of the benefits of having a modular CAM system, improved work-flow and includes the best in-class toolpaths in CNC machining. Industry applications range from automotive, aerospace, medical, general CNC milling and much more. The true test of a CAM product is if it simplifies the machining process while providing advanced toolpaths and machining strategies that optimize machining and reduce cycle times. That's not all! BobCAM removes the guesswork by implementing machining wizards to further streamline the process of cutting parts giving you more time to innovate, save money and keep your clients coming back.

BobCAM v3 for SolidWorks CNC Milling Modules:
- 3 Axis Mill Standard
- 4 Axis Mill Standard
- 5 Axis Mill Standard
- 3 Axis Mill PRO
- 4 Axis Mill PRO
- 5 Axis Mill Pro

In addition to a variety of newly added features and enhancements that make BobCAM v3 the latest SolidWorks Gold Partner standard in CNC software, the new multiaxis modules includes the world's first High Speed Adaptive Roughing for multiaxis milling. From routine to complex CNC milling, BobCAM v3 for SolidWorks is both a powerful CAM solution that is easy to use. And now it's the most affordable SolidWorks CAM Add-in of its kind. Seeing is believing! Download a free trial today and discover the future of CNC milling inside of SolidWorks!
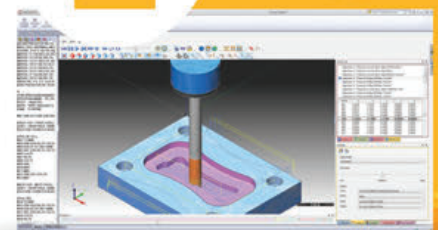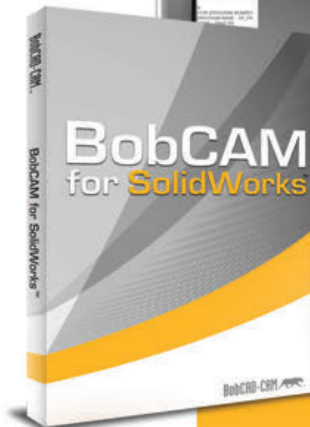
CNC Milling CAM Technology

BobCAM for SolidWorks is a Gold Partner CAM Add-On to provide faster access to strategic machining operations for simple or complex parts. Built-in to the latest SolidWorks design software, BobCAM is the perfect solution for turning innovation into perfectly finished parts fast!

- NEW Stock Wizard, Job Tree and more
- 2, 3, 4 & 5 Axis Toolpath & CNC Milling
- NEW High Speed Adaptive Roughing
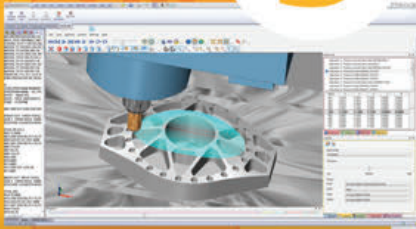- NEW PRO Module Machine Simulation

2 Axis Milling

BobCAM v3 has dedicated machining technology for 2 Axis CNC Machining. Technology includes...

- Tool Crib & Tool Holder Library
- Tool & Material Databases
- Material Cutting Conditions
- Multi-Tool Drilling, Profiling, Pocketing, Facing, Engraving & Plunge Milling
- Fully Associative Toolpaths
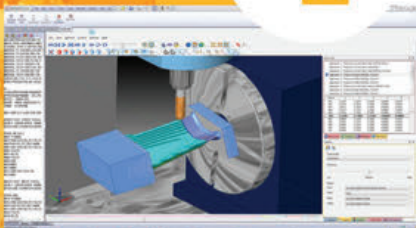- G-Code Editor, Simulation & RS 232 w/DNC

3 Axis Milling

BobCAM v3 offers a 2 & 3 Axis Standard & Professional module for simple and complex part machining. Wizard driven 3 Axis machining removes the guesswork and improves programming workflow. Features include...

- New High Speed Adaptive Roughing
- Planar, Spiral & Radial Milling
- Z-Level Roughing & Finishing
- Flatlands, REST & NEW Multi-Pass Pencil
- EquiDistant Finishing
- Tool Patterning & Multiple Machine Setups

Perfect Finishing results are obtained with the new BobCAM v3 CAM Add-In without having to leave the SolidWorks environment. The NEW High Speed Adaptive Roughing strategy offers new technology for reducing tool wear and cycle times while extending the long term life of your machine tool.

4 Axis Milling

BobCAM v3 provides new associativity for on the fly part editing and toolpath updating, mutiple machine setups and wizards to remove the guesswork from Rotary Indexing and Wrapping. Features include...

- 3+1 Positioning
- Rotary and Wrapping Toolpaths
- PRO module Surface Based Machining
- PRO level Full Machine Simulation
- 7 New PRO Module Toolpaths

5 Axis Milling

BobCAM v3 stands at the forefront of 5 Axis CNC milling by providing 3+2 in the Standard module or full 5 Axis simultaneous in the PRO module. Depending on your 5 Axis programming needs you can now take advantage of best in class toolpath and programming technology featuring a wide range of machining strategies that save time and produce perfect parts fast! Features include...
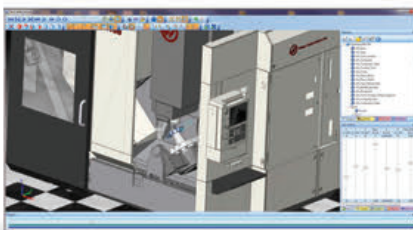
- 3+2 Positioning / Indexing
- 5 Axis wireframe based toolpath common for trimming
- Multiaxis roughing which includes standard roughing & adaptive roughing strategy
- Optimized SWARF Machining wizards
- 7 surface based toolpaths
- Pro module machine simulation

BobCAM for SolidWorks™

Full Machine Simulation

BobCAM v3 now offers machine definitions along with full Machine Simulation. Full machine kinematics can be defined to allow multiaxis posting and simulation support. You can also now create your actual machine with separate STL files to see the machine in motion for Mill 4 Axis PRO, Mill 5 Axis Standard, or Mill 5 Axis PRO module customers. Includes...
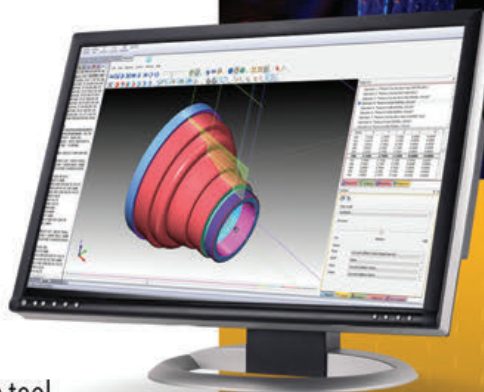
- Toolpath & Material Mode
- Tool & Workpiece Focus
- Start, Stop, pause and speed controls
- Time-based & NC-based Modes
- Toolpath & Backplot Controls
- Cycle Time Calculation
- Machine/Part Deviation Calculation & more.
- Available Full Machine Simulation

2 Axis Lathe Also Available!

BobCAM for SolidWorks is also available for 2 Axis CNC Lathe. The New lathe functionality includes Roughing, Finishing, OD/ID profiling, threading and grooving. This includes single window virtual simulation, RS 232 Communications and DNC capabilities that are all built into one add-in module. Features include...

- Job – CAM Tree Manager
- Save & Load Machine Features
- Feature On/OFF Posting
- OD/ID Roughing -OD/ID Finishing - OD/ID Grooving
- Drilling
- Threading
- Auto Cut Off
- Stock Feed
- Chamfer & Fillet Corner Break Options
- Finish contouring with optional multiple passes for casting roughing
- Automatically create a finish pass after a rough operation using the same tool
- G-Code Editor
- Customizable Post Processors
- RS 232 Communications & DNC Capabilities
- Tapping Cycle

Standard RS 232 Communications & DNC Capabilities

BobCAM for SolidWorks includes a powerful post processing engine that is user customizable with hundreds of pre-developed post processors that you can access free online at bobcad.com. Also included with BobCAM are easy to use communications and DNC capabilities for sending your NC Program to your CNC Machine.

- Integrated G-Code Editor
- RS 232 Communications & DNC Capabilities
- User definable Post Processors & A Free Online Post Library

BobCAM for SolidWorks

BobCAD for SolidWorks System Requirements:

- SolidWorks 2010, 2011, 2012, 2013 or future releases
- Windows XP, Windows Vista, Windows 7 or Windows 8
- 2.0 Ghz Processor
- 2 GB RAM
- 2 GB available Hard Disk
- 512 MB Graphics Adapter that supports OpenGL 1.1
- For Windows Vista stations we suggest and ATI or NVIDIA Graphics Card
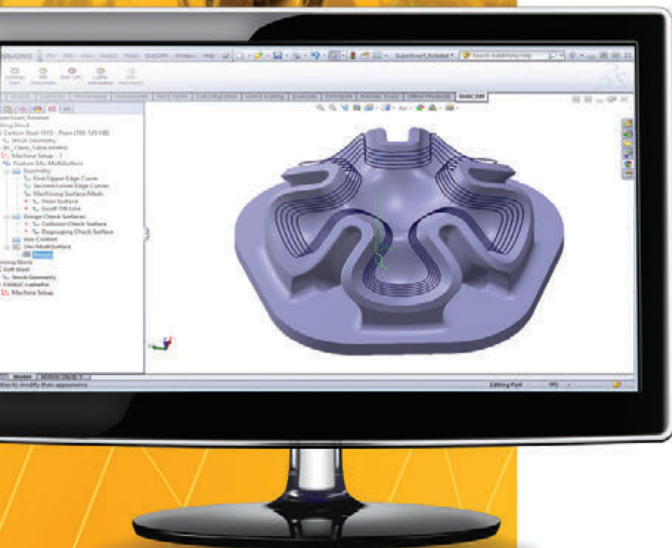
Available In The Following Languages:

- English
- Spanish

Available BobCAM for SolidWorks Training:

BobCAD-CAM, Inc. offers multiple training solutions that are dedicated to helping you become a professional operator.

- BobCAM for SolidWorks Training Professor Video Series
- One-On-One Web-Based Training Sessions
- On-Site Training Seminars*

Includes Operator Certification

BobCAD-CAM™

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