

V6

BobCAM for SOLIDWORKS™

CERTIFIED
Gold
Product

 SOLIDWORKS

The **NEXT GENERATION** in Fully Integrated CAM Solutions

BobCAD-CAM™ 

MILL | MILL TURN | LATHE | ROUTER | PLASMA | LASER | WATERJET | ART



CUTTING EDGE CAM POWER RIGHT INSIDE SOLIDWORKS!

BobCAM V6, our new Gold Certified CAM add-in, streamlines the manufacturing process, allowing shops to cut more parts, faster and easier, for less. Seamlessly integrated into the SOLIDWORKS™ environment, BobCAM delivers cutting edge 2-5 axis milling and turning power, plus the latest artistic machining capabilities with the first-of-its-kind BobART add-in.

CERTIFIED
Gold
Product

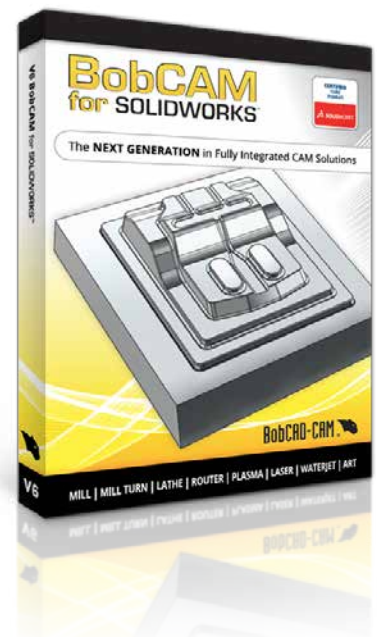
 **SOLIDWORKS**

MORE SPEED AND POWER THAN EVER BEFORE!

With the release of BobCAM for SOLIDWORKS V6, not only are we delivering the most powerful Lathe module in the history of BobCAM, but we're also bringing you tons of enhancements for milling and drilling operations, improved calculation speeds, more tool control, new simulation tools, and even network licensing.

We build our software based on customer requests, and this release is no different. BobCAM V6 brings new features that provide enhanced speed, intelligence, and organization to the easy to use workflow that BobCAM customers know and love.

The latest BobCAM software helps take the headache out of everyday CAM programming and will have you cutting more parts, faster and more efficiently than ever before!



WHY CHOOSE BOBCAM?

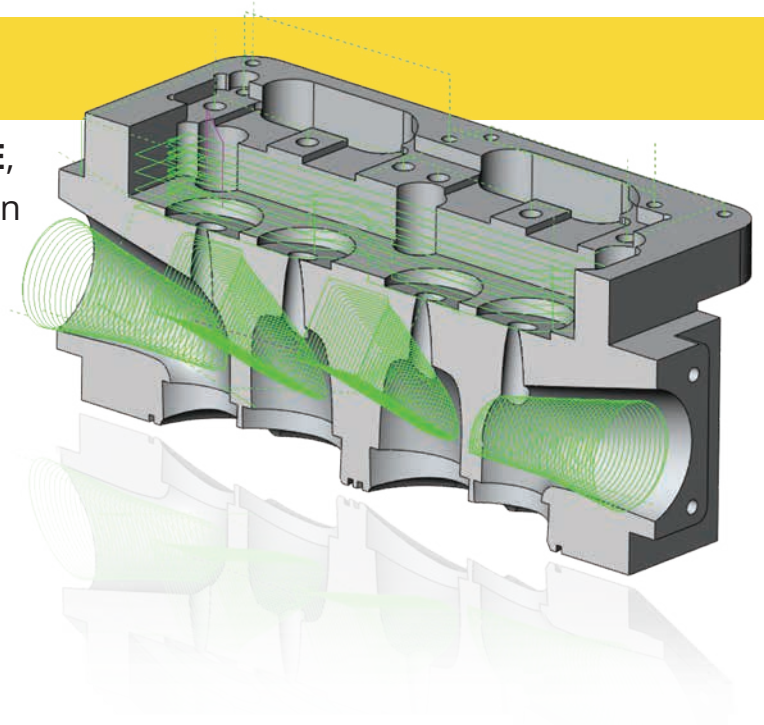
Because you want **POWERFUL, EASY TO USE,** and **AFFORDABLE** CAM software that you can use right inside of SOLIDWORKS™.

Productivity

Full SOLIDWORKS integration
streamlines your design and programming process

Dynamic Machining Strategies™
makes toolpath programming faster and easier

Built-in intelligence
that allows you to do more in less time

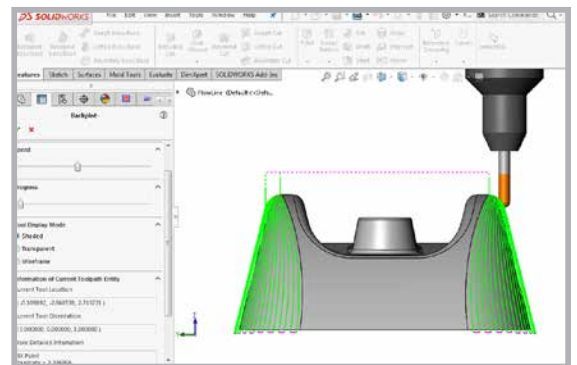


Cutting Edge Power

Adaptive toolpath strategies
for faster cycle times and a longer tool life

Surface based toolpaths
for unsurpassed control and the best possible surface finishes

Full 4 & 5 axis simultaneous machining
capabilities to easily handle the most complex of jobs

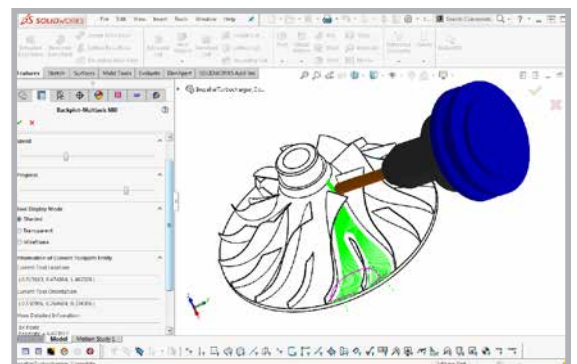


Ease of Use

Wizard driven interface
for simple, intuitive toolpath programming

Associative CAM tree
makes it easy to set up and organize your job

Extensive training options
designed to help you get up and running quickly



TOOLPATH MATRIX

EXPRESS

3 AXIS STANDARD

3 AXIS PRO

3 AXIS PREMIUM

4 AXIS STANDARD

4 AXIS PRO

5 AXIS STANDARD

5 AXIS PRO

2.5 AXIS TOOLPATHS

• Profiling & Pocketing	●	●	●	●	●	●	●	●
• Engraving	●	●	●	●	●	●	●	●
• Thread Milling	●	●	●	●	●	●	●	●
• Plunge Roughing	●	●	●	●	●	●	●	●
• Facing	●	●	●	●	●	●	●	●
• Chamfering	●	●	●	●	●	●	●	●
• Rest Machining	●	●	●	●	●	●	●	●
• Drilling & Tapping	●	●	●	●	●	●	●	●
• High Speed Pocketing		●	●	●	●	●	●	●

3 AXIS TOOLPATHS

• 3 Axis Wireframe	●	●	●	●	●	●	●	●
• Planar	●	●	●	●	●	●	●	●
• Spiral		●	●	●	●	●	●	●
• Radial		●	●	●	●	●	●	●
• 3D Plunge Roughing		●	●	●	●	●	●	●
• Z-Level Roughing		●	●	●	●	●	●	●
• Z-Level Finishing		●	●	●	●	●	●	●
• Advanced Z-Level Finish			●	●	*	●	*	●
• Project Curves			●	●	*	●	*	●
• Advanced Planar			●	●	*	●	*	●
• Advanced Roughing			●	●	*	●	*	●
• Flatlands			●	●	*	●	*	●
• Equidistant Offset			●	●	*	●	*	●
• Pencil			●	●	*	●	*	●
• High Speed Roughing			●	●	*	●	*	●
• Rest Machining			●	●	*	●	*	●

SURFACE BASED TOOLPATHS (3, 4, & 5 AXIS OUTPUT)

• Flowline				●	*	●	*	●
• Parallel Cuts				●	*	●	*	●
• Cuts Along Curve				●	*	●	*	●
• Morph Between 2 Curves				●	*	●	*	●
• Parallel to Multiple Curves				●	*	●	*	●
• Project Curves				●	*	●	*	●
• Morph Between Surfaces				●	*	●	*	●
• Parallel to Surface				●	*	●	*	●

MATRIX LEGEND

● Included * Optional

TOOLPATH MATRIX CONT.

EXPRESS

3 AXIS STANDARD

3 AXIS PRO

3 AXIS PREMIUM

4 AXIS STANDARD

4 AXIS PRO

5 AXIS STANDARD

5 AXIS PRO

4 AXIS TOOLPATHS

• Indexing							•	•	•	•
• Wrapping							•	•	•	•
• Rotary							•	•	•	•

5 AXIS TOOLPATHS

• Trimming								•	•
• Indexing								•	•
• Swarf Machining									•
• High Speed Multiaxis Roughing									•
• Rest Machining									•

DRILLING TOOLPATHS

• Center Drill	•	•	•	•	•	•	•	•	•
• Drill	•	•	•	•	•	•	•	•	•
• Chamfer Drill	•	•	•	•	•	•	•	•	•
• Chamfer Mill	•	•	•	•	•	•	•	•	•
• Ream	•	•	•	•	•	•	•	•	•
• Bore	•	•	•	•	•	•	•	•	•
• Tap	•	•	•	•	•	•	•	•	•
• Rolling Tap	•	•	•	•	•	•	•	•	•
• Couterbore Drill	•	•	•	•	•	•	•	•	•
• Couterbore Mill	•	•	•	•	•	•	•	•	•

TURNING TOOLPATHS

LATHE MODULE

• OD/ID Roughing	•
• OD/ID Finishing	•
• OD/ID Grooving	•
• Drilling	•
• Threading	•
• Cut Off With Chamfer & Fillet Corner Break Options	•
• Stock Feed	•
• Pattern Repeat Cycles	•
• Auto-Assignment of Finish Pass	•
• Tap	•

MATRIX LEGEND

• Included * Optional

KEY FEATURES

Dynamic Machining Strategies™

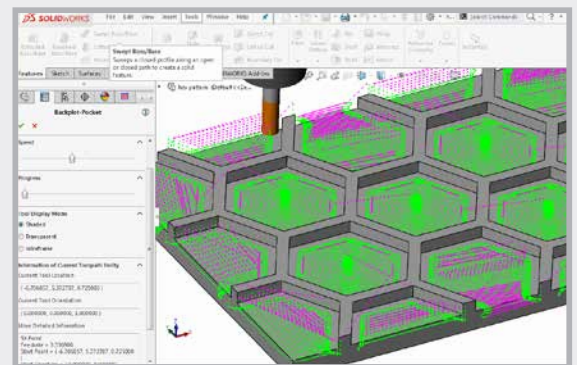
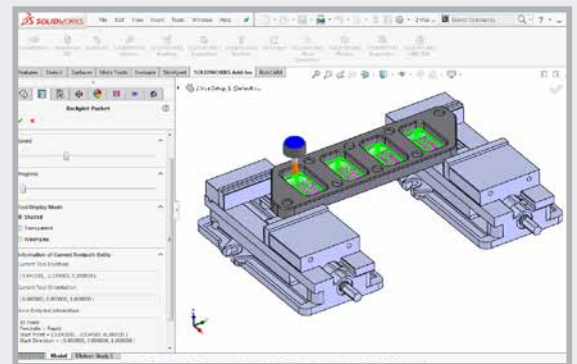
- Apply Multiple Machining Strategies to a Single Feature
- Edit Operations on the Fly

CAM Tree

- Wizards Driven Stock & Toolpath Setting Controls
- Associative CAM Tree
- Single-Click Geometry Updates
- Groups, Expand & Collapse in Tree
- Save & Load Machining Operations
- Copy & Paste Machining Operations
- On the Fly Tool Renumbering
- Backplot for Verifying Individual Toolpath Operations

Job Settings

- Stock Wizard, Material Library & Multiple Machine Setup Locations
- Tool Library, Tool Crib, Tool Holder & Custom Tool Profiles
- Material Speeds & Feeds Library, Coolant Selection

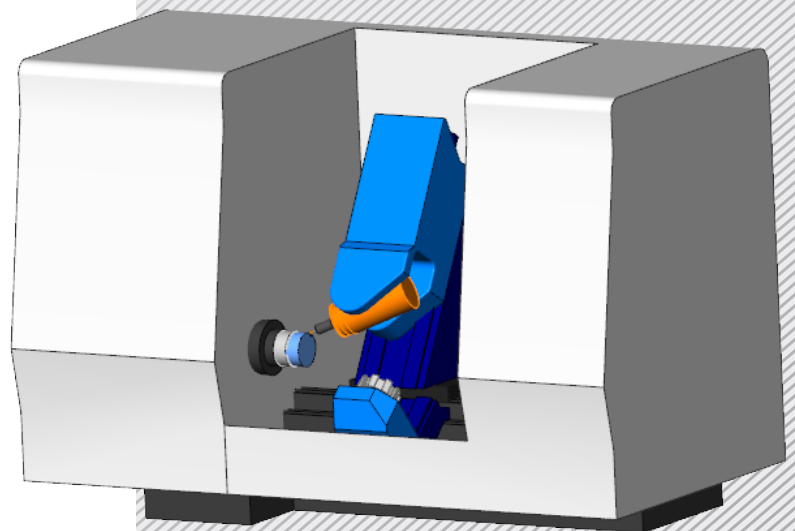
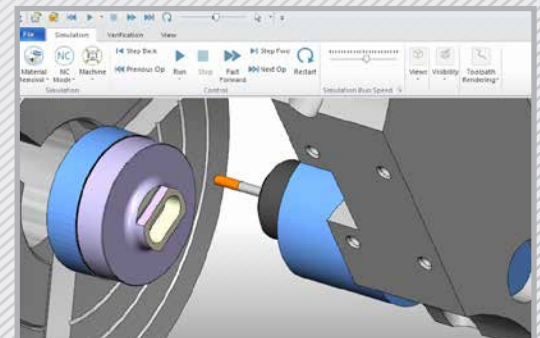
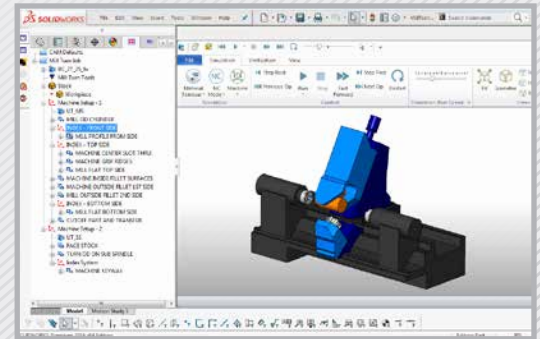


Simulation

- Collision & Gouge Detection & Machine Components
- Machined Part Deviation Analysis
- Cycle Time Calculations & Operation/Sequence Analytics
- Section View & Smart View with Rotation Cube
- Tool Focus & Workpiece Focus
- Set Travel Limits & Detect Over Travels
- Simulation Play Controls & Video Capture
- Works with STL Stock & Save Simulation Models as STL
- Toolpath Analysis Controls
- Statistics: Feed Rate, Move Type, Machining Time, Min/Max Movement

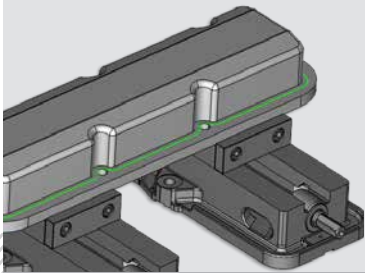
More

- Customizable Setup Sheets
- Sub Program Output
- Huge Library of Free Post Processors on www.bobcad.com



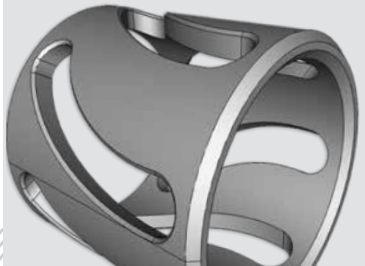
GOLD CERTIFIED SOLUTIONS

MILL



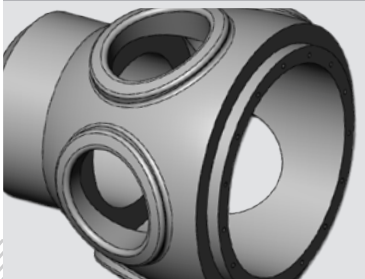
Loaded with the latest in cutting edge CAM functionality, BobCAM combines ease of use and efficient 2.5 and 3 axis toolpath strategies to deliver the speed and power shops need to program faster, reduce cycle times and extend tool life.

MULTIAXIS MILL



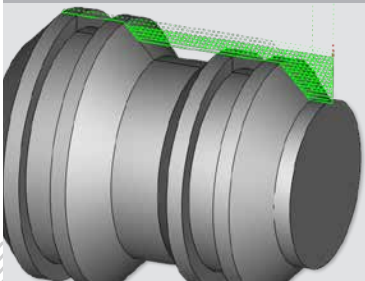
For 4 & 5 axis jobs, Bob-CAM simplifies complex toolpath programming and makes it easy to control the tool motion, tool axis and position of the workpiece so you're able to cut your parts exactly how they need to be cut. Loaded with the latest CAM power, BobCAM delivers the speed and power your shop needs to program faster, reduce cycle times and extend tool life.

MILL TURN



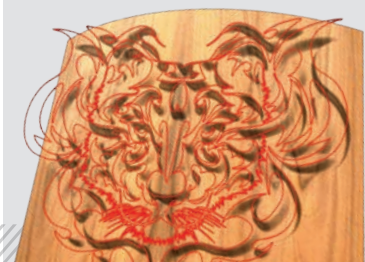
For fast and easy programming of CNC mill turn machines, the BobCAM Mill Turn module combines all of the available milling, turning and drilling toolpaths into one simplified multitask machining solution. With it, you can program your C, Y & B axis cutting movements on anything from single-turret/single-spindle setups to multi-turret/multi-spindle configurations, right inside of SOLIDWORKS

LATHE



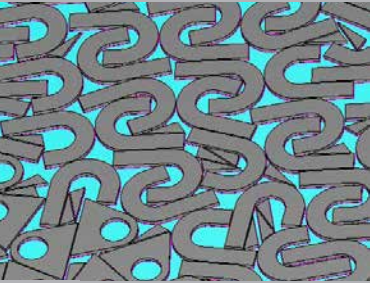
Designing and programming jobs for your CNC turning centers has never been easier. The new, completely rebuilt Lathe system gives you the power to quickly create efficient toolpaths for all of your roughing, finishing, threading and grooving operations, right inside of SOLIDWORKS.

ROUTER



Our BobCAM for SOLIDWORKS Router CAM add-in delivers powerful toolpaths so you can get your jobs done faster. The seamless workflow of the user-friendly interface offers an efficient way to go from designs to part programming right inside of SOLIDWORKS. It's perfect for woodworking, engraving and much more.

LASER, PLASMA & WATERJET



The BobCAM for SOLIDWORKS add-in for CNC laser, plasma and waterjet machines delivers powerful 2-5 axis toolpaths, allowing you to handle your most demanding jobs with ease. With fully customizable cutting conditions, this system gives you complete control over how you cut your parts.

BOBART



Transform logos, images and other artistic design elements into geometry that can be used to create toolpath for embossing, engraving and much more, right inside SOLIDWORKS™. It's the perfect add-on for sign makers, custom woodworkers, jewelry designers, mold makers and more!

MACHINE SIMULATION PRO



Test and confirm that every move inside your CNC is collision-free. Using Machine Simulation Pro to add machine components to your simulations, you're able to prove out position values, fixture locations and verify that your machine, table and fixtures have the necessary clearances to avoid potentially costly crashes.

SYSTEM REQUIREMENTS

Visit <http://bobcad.auscoproducts.com.au/system-requirements/> to review the system requirements.

AVAILABLE IN

English | Spanish | Turkish

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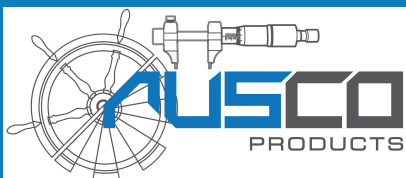
8:00 am – 7:00 pm EST M-F (US)

Online Documentation

Available 24/7

Forums

Connect with BobCAD-CAM community to ask questions and share tips & tricks.



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