



# SolidCAM

The Ecosystem for Digital Manufacturing

The Future of CAM

CERTIFIED  
Gold  
Product

SOLIDWORKS

## THE CAM FOR SOLIDWORKS

SolidCAM, including the revolutionary iMachining, is seamlessly integrated in SOLIDWORKS, with full toolpath associativity to the SOLIDWORKS model. With the single window integration in SOLIDWORKS, all machining operations can be defined, calculated and verified without leaving the parametric SOLIDWORKS assembly environment.

All 2D and 3D geometries used for machining are fully associative to the SOLIDWORKS design model. If you make any changes to your SOLIDWORKS model, all of your CAM operations will be automatically updated.

### Major Benefits of Using SolidCAM in SOLIDWORKS:

- **SOLIDWORKS Look & Feel** through seamless single-window integration
- **Full Associativity:** Toolpaths auto-update when model changes
- **SolidCAM's 15+ years as SOLIDWORKS Gold Partner**
- **Works in the SOLIDWORKS assembly mode** to define Fixtures, Tooling & Vices
- **SolidCAM + SOLIDWORKS is scalable with packages for all CNC machine types and applications**

SolidCAM is the Complete, 'Best-in-Class' CAM Suite for Profitable CNC-Programming in SOLIDWORKS, supporting all CNC-Technologies:

- iMachining 2D & 3D
- Multi-Channel Mill-Turn
- Sliding Head (Swiss Machining)
- Additive Manufacturing
- 2.5D Milling
- 3D High Speed Machining
- High Speed Surface Machining
- Multi-Sided Indexial Milling
- Simultaneous 5-Axis Milling
- Turning
- Wire EDM
- Solid Probe

SCAN FOR INFO



The unique, revolutionary Milling Technology

**iMachining**  
patented by SolidCAM

TIME SAVINGS  
**70%**  
... AND MORE!



Full automatic calculation of:  
Feed Rate  
Spindle Speed  
Step Over  
Depth

SCAN FOR INFO



**ULTIMATE MILL-TURN & SLIDING HEAD  
(SWISS-TYPE) CNC PERFORMANCE**

[www.solidcam.com](http://www.solidcam.com)



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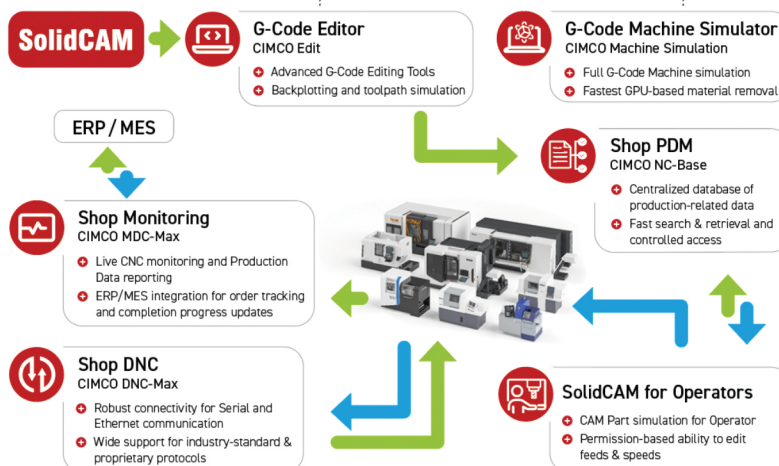
powered by 

**SolidShop** is SolidCAM's all-in-one ecosystem for managing, controlling, and monitoring CNC production. It connects CAM programming with the shop floor through integrated modules for G-Code Editing & Simulation, Shop Floor PDM, SolidCAM for Operators, DNC Communication, Machine Monitoring & ERP/MES integration.

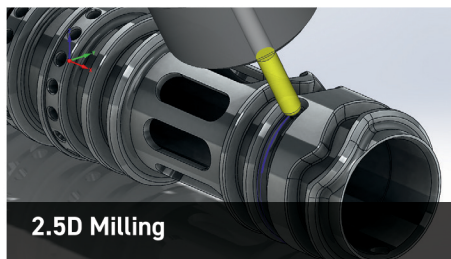
By uniting programming, documentation, communication, monitoring, and reporting, SolidShop empowers manufacturers to maximize productivity, eliminate errors, reduce downtime, get a fully paperless workflow and achieve complete traceability across their entire operation.

For years, manufacturers have been searching for an affordable, practical, and proven solution to bring digital control to the shop floor. SolidShop is SolidCAM's answer to all these demands and is designed specifically for production environments, offering:

- Compatibility with legacy and modern CNC machines
- Rapid implementation with short ROI times
- Scalable functionality that grows with your business

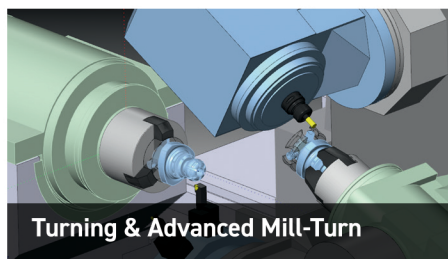


**SolidShop is SolidCAM's answer to the demands of modern CNC manufacturing — an end-to-end ecosystem for digital, connected, and efficient production.**



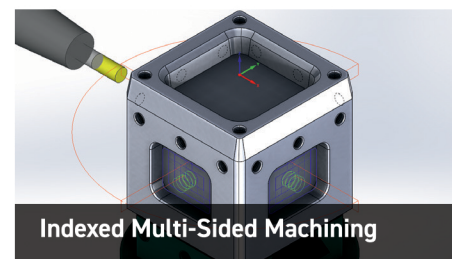
**2.5D Milling**

- Straightforward, SOLIDWORKS-style interface, combined with the latest technology for the fastest, most powerful and easiest to create 2.5D toolpaths
- Designed for the advanced user and the novice. Full "Pilot Controls" provide unmatched power, "Auto-Pilot" feature recognition automates programming and gets you off the ground quickly



**Turning & Advanced Mill-Turn**

- Supports all the latest multi-function CNC machines for combined Milling and Turning
- Complete multi-turret and multi-spindle programming with full simulation, seamlessly integrated into one extremely powerful package
- Intelligent management of rest material between Milling & Turning operations limits air cuts for the most efficient toolpaths and reduced cycle times



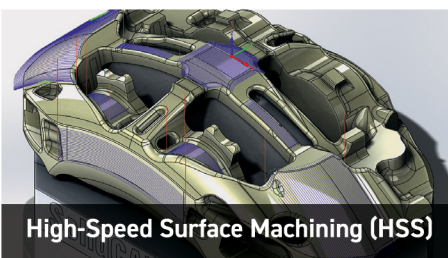
**Indexed Multi-Sided Machining**

- Experience single machine home position with One-click orientations for indexed setups
- Speed up multi-sided machining by eliminating multiple coordinate system constructions
- Eliminate manual G-code editing or setting up multiple work offsets at the machine



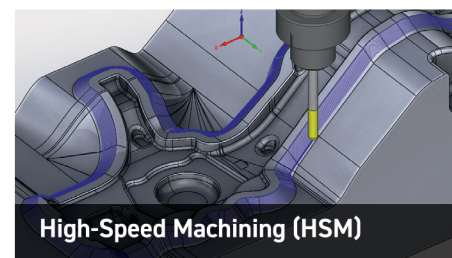
**Simultaneous 5-Axis Machining**

- The most tested and proven 5-axis toolpaths in the industry with the most advanced control over all aspects of toolpath and collision checking
- Pre-programmed, 5-axis strategies get you up and cutting instantly
- Instant feedback with real time, life-like simulations complete with Cutter & Tool holder gouge checking



**High-Speed Surface Machining (HSS)**

- Distinctive CAM module that takes your 2.5D machining far beyond profiles, pockets and faces
- Enhance your 3D machining capability by driving along specific surfaces on prismatic and 3D parts
- Total tool control to attack specific areas without the need for constraint boundaries or the time-consuming design of construction geometries



**High-Speed Machining (HSM)**

- 3D machining taken to an entirely new level of smoothness, efficiency and smart machining
- Speeds up slower machine tools and unleashes the speed of faster machines by eliminating inefficient, unnecessary moves and air cutting
- The fastest and easiest way to generate the most advanced and best quality 3D toolpaths

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