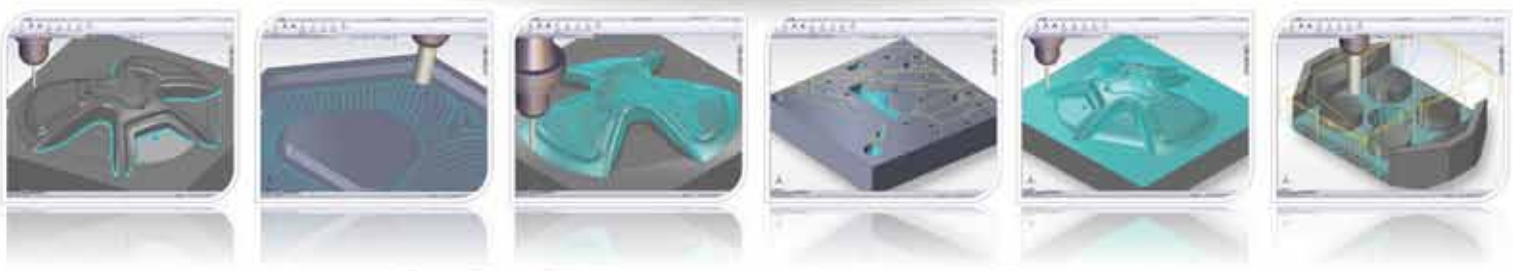
Mastercam X5

for SolidWorks®



World Class Machining

For full details visit www.MCforSW.com

Mastercam® for SolidWorks® – The Best of Both Worlds

Complete NC milling directly within SolidWorks.

CNC Software, Inc. is proud to introduce Mastercam for SolidWorks, combining the world's leading modeling software with the world's most widely-used CAM software. Now you can program parts directly in SolidWorks, using toolpaths and machining strategies preferred by shops around the world.

SolidWorks users will feel at ease with the Mastercam machining tree, which delivers quick access to any point in the machining process. Mastercam users will recognize the shop-tested parameter screens and options which they are already familiar with.

Mastercam for SolidWorks includes a suite of the most sought-after cutting strategies, including High Speed Machining (HSM) toolpaths. In addition, Mastercam for SolidWorks delivers a powerful set of automated toolpaths that get parts off the machine faster with little or no handwork.

CNC Software, Inc. is committed to bringing environmentally friendly and socially responsible practices to our industry.

The brochure you are reading has been condensed to decrease paper consumption. These are some of the most important highlights, but there's much more information online.

As you read this brochure, you'll notice some special indicators.

= Online video that gives more details.

Blue text = More descriptive information linked in the electronic brochure.

Powerful, Automated 2D Machining

2D machining ranges from the very simple to the very complex. Mastercam for SolidWorks delivers all the tools you need for these operations. Highlights include:

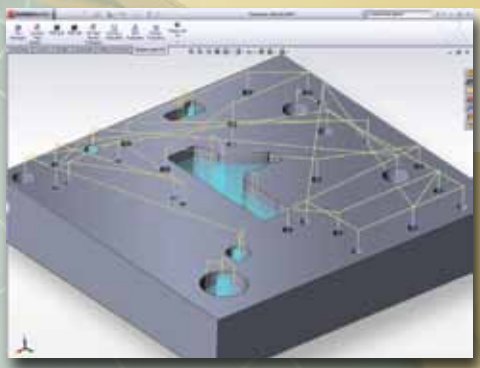
- **Feature Based Machining (FBM)** automatically programs pockets (including tapered walls), contours, and drilling routines.
- **Dynamic Milling** creates an active toolpath that delivers more consistent cutting conditions and allows use of the entire tool flute length.
- Standard pocketing styles include zigzag, one way, true spiral, constant overlap spiral, "morph" pocketing, and open pocketing.
- Choose plunge, helical, or ramp entry.
- Contour and pocket remachining use smaller tools to automatically clean out material left from previous operations.

3D Roughing, Finishing, and Cleanup Machining

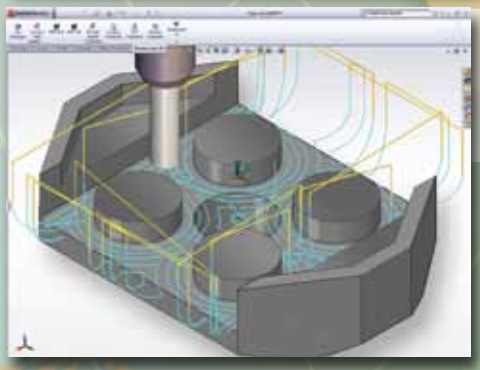
High Speed Machining (HSM) can deliver a faster turnaround and a superior finish. Mastercam for SolidWorks includes a suite of fully associative HSM techniques that make the most of your NC machines. Features include:

- **High speed OptiRough** removes large amounts of material quickly. The tool takes an aggressive depth cut, followed by a series of quick up-cuts, then repeats the process at the next depth.
- Rest Roughing smoothly removes remaining material from a previous rough pass.
- Smart hybrid finishing and hybrid leftover machining each create a single toolpath that changes cut methods automatically as the slope of the model changes.
- Spiral, Radial, and Raster machining deliver optimal choices for different parts.
- Pencil machining walks a tool along the intersection of solid faces to clean out hard-to-reach areas and details.
- Go to **www.MCforSW.com** for more information.

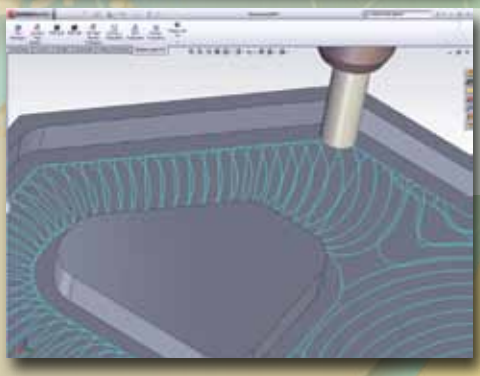
Mastercam creates a smart link between a part and its toolpaths. Change the part, and immediately update the cut.



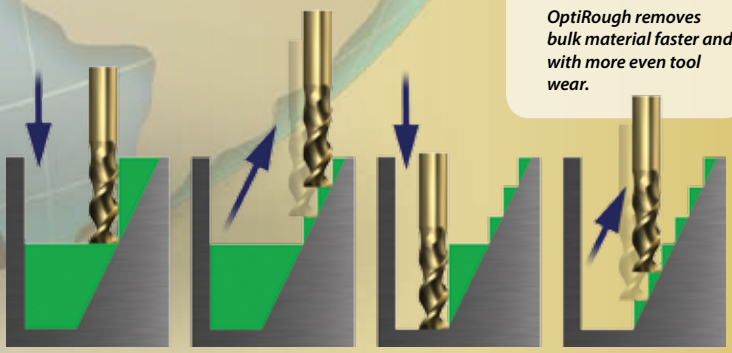
Feature Based Machining automates drilling and 2D machining operations.



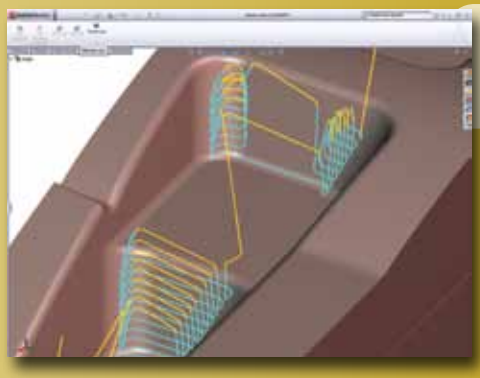
Powerful pocketing routines, including open and nested pockets.



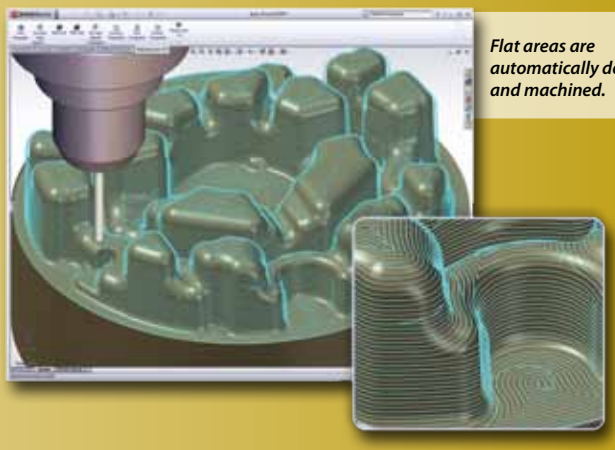
Dynamic Milling delivers a more consistent cut motion that results in a highly efficient toolpath and longer tool life.



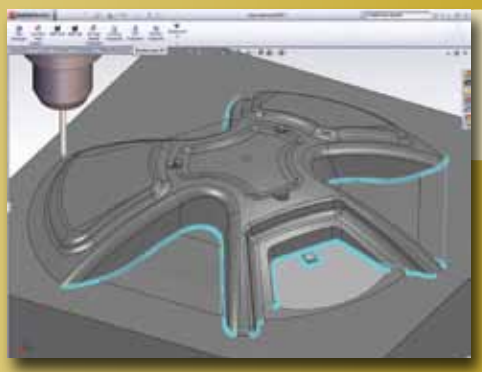
OptiRough removes bulk material faster and with more even tool wear.



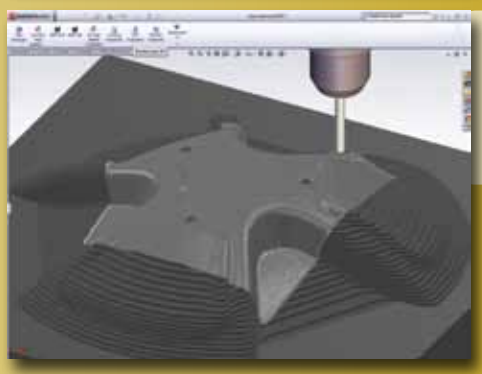
Rest Roughing efficiently removes material left from a larger roughing tool.



Flat areas are automatically detected and machined.



Versatile pencil machining leaves a crisp finish in difficult areas.



Solid-model cut verification lets you prove out toolpaths before sending them to the machine.

Other powerful CAD/CAM packages available from Mastercam:

Mastercam Mill
Industry-leading milling package

Mastercam Lathe
Fast, flexible CNC turning

Mastercam Wire
2-axis and 4-axis wire EDM programming

Mastercam Router
Quick and easy CNC routing

Mastercam Art
Turn flat line art into artistic 3D work

Mastercam Solids
Powerful Parasolid®-based part modeling

Mastercam University™
Online Mastercam training

"Mastercam for SolidWorks will open up a whole new world of CNC programming for part designers."

- Dave Zamora, Curriculum Author
Ztech, Mfg., LLC , Mesa, AZ

System Requirements

- **Processor:** 2.5 GHz (minimum) 32-bit or 64-bit Intel®-compatible processor.
- **Operating System:** Windows® XP, Windows Vista® (Business or Ultimate), or Windows 7 (Ultimate or Professional) including the latest service packs and recommended updates.
- **Memory:** 2 GB (minimum), 3 GB available hard disk space (minimum).
- **Graphics:** 256 MB OpenGL-compatible graphics card, 1280x1024 pixel screen resolution (minimum).
- **Mouse:** Windows-compatible 2-button or 3-button mouse (or with middle mouse wheel).

Mastercam®
CNC software, inc.

671 Old Post Road Tolland, CT 06084 USA
(800) 228-2877 • (860) 875-5006 • Fax (860) 872-1565
www. mastercam. com • mcinfo@mastercam.com