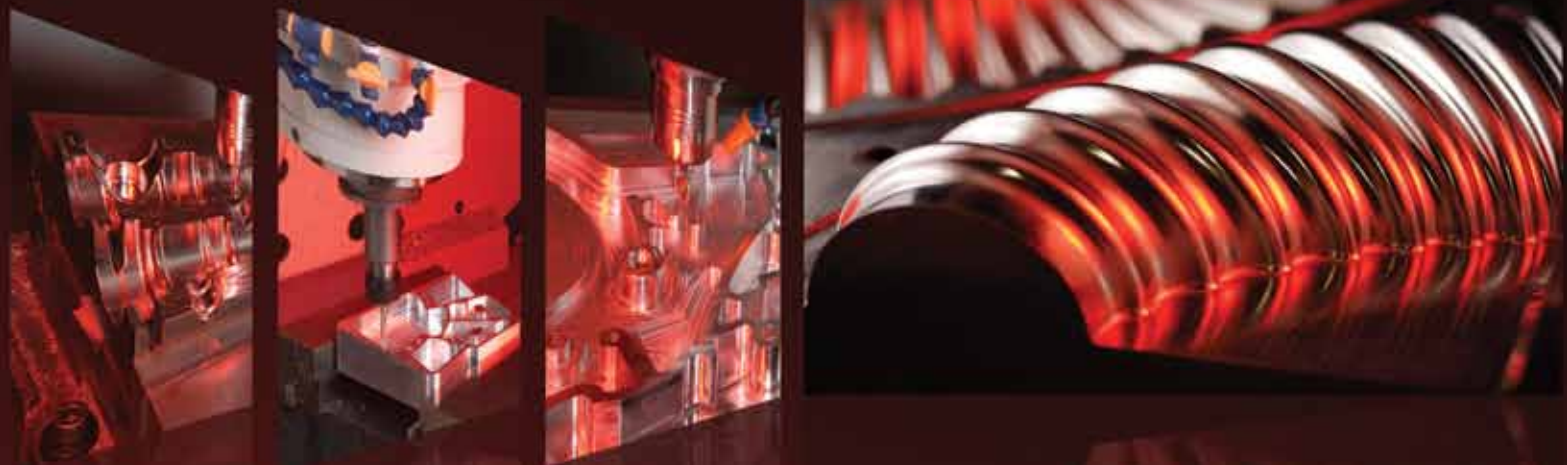


Mastercam X³ for SolidWorks[®]



Fast. Flexible. Reliable.


X3

Mastercam® for SolidWorks® – the Best of Both Worlds

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.


CNC Software, Inc. is proud to introduce Mastercam for SolidWorks, which combines 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 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.


Powerful Automated 2D Machining

Mastercam for SolidWorks includes powerful **Feature Based Machining** (FBM) strategies to perform 2D machining. By analyzing the part for specific feature types (shape, size, location of holes, and more), FBM automatically generates an effective machining strategy for the identified features. Highlights include:

- Facing when stock is detected above the top of the part.
-  • **Machining of open, nested, and through pockets.**
- Roughing and Restmill toolpaths for each pocket.
- Hole detection and spot drill, drilling, reaming, chamfer, counter bore, and tapping based on your criteria.

3D Roughing, Finishing, and Cleanup Machining

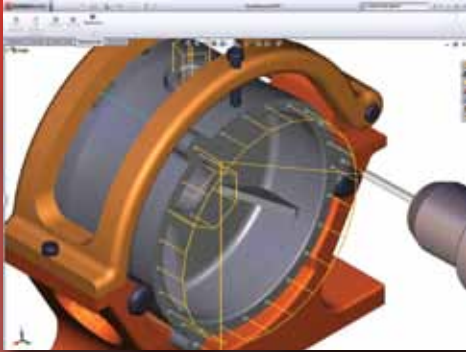
High Speed Machining can deliver a faster turnaround and a superior finish. Mastercam for SolidWorks includes a suite of fully associative High Speed Machining techniques that make the most of your NC machines.

- Core Roughing and Area Clearance efficiently remove bulk material with toolpaths tailored to your part's core or cavity.
- Rest Roughing smoothly removes remaining material from a previous rough pass.
- Using a constant 3D stepover, Scallop finishing maintains a consistent finish on sloped and flat surfaces.
- Horizontal area finishing quickly machines all flats on your part.
-  • Spiral, Radial, and **Raster machining** deliver optimal choices for cutting different types of 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.

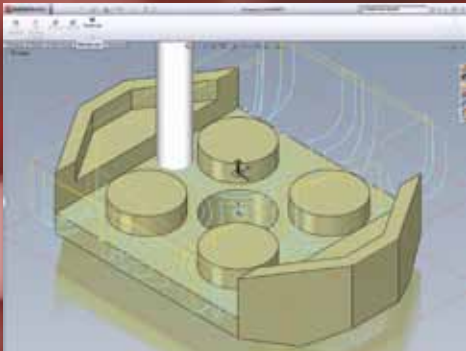
Full NC milling programming directly within SolidWorks.



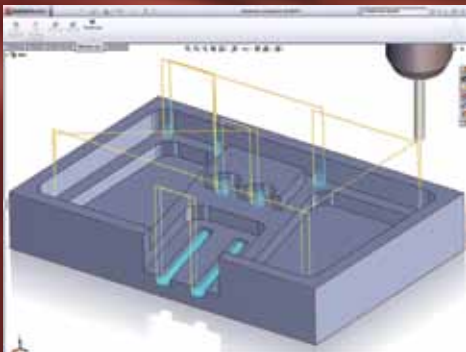
Mastercam users will recognize familiar shop-tested programming methods.



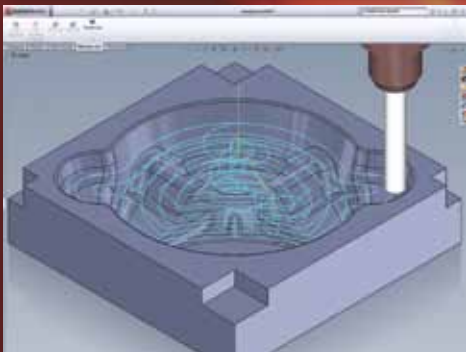
Efficient automated drilling.



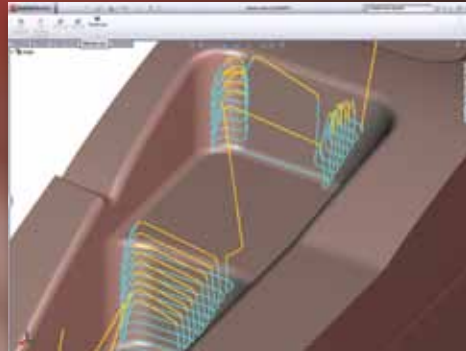
Powerful pocketing routines, including open and nested pockets.



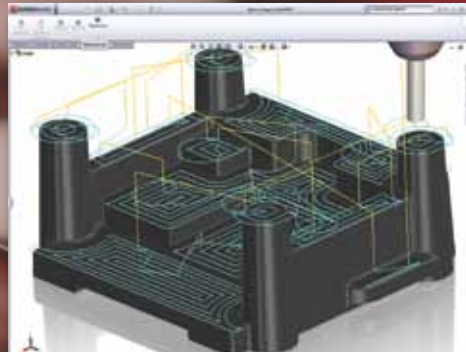
Automated pocket remachining.



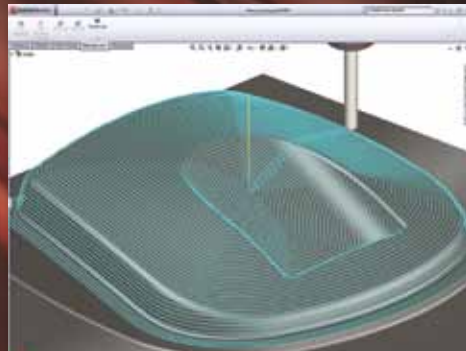
Core roughing efficiently removes bulk material.



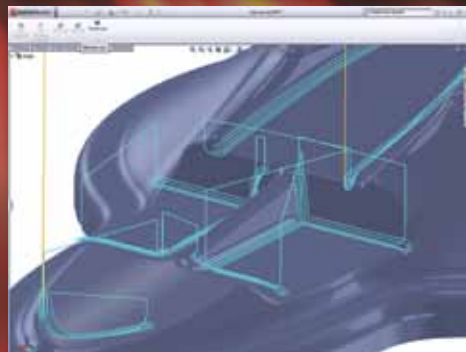
Rest Roughing removes material left from a larger roughing tool.



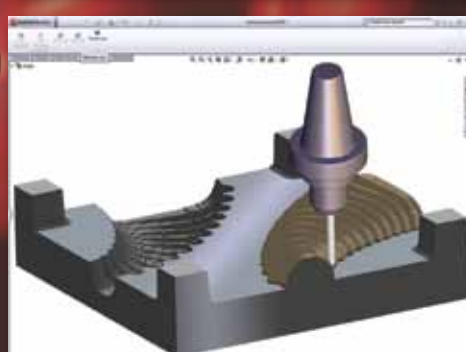
Flat areas are automatically detected and machined.



Scallop machining cuts a part using a consistent 3D stepover.



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

Stand-alone 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

System Requirements

- **Processor:** 1.5 GHz (minimum) 32-bit Intel®-compatible processor; 64-bit Intel-compatible processors are supported.
- **Operating System:** Windows XP, Windows Vista® (Business or Ultimate) including the latest service packs and recommended updates; .NET 2.0 framework.
- **Memory:** 2 GB (minimum), 1.7 GB available hard disk space.
- **Graphics:** 128 MB OpenGL-compatible graphics card (minimum).
- **Monitor:** 1024 x 768 at 96 DPI (minimum).
- **Mouse:** Windows-compatible 2-button or 3-button mouse (or with middle mouse wheel).
- **Additional Software:** You will need the latest version of Adobe Flash to view the videos that accompany Mastercam for SolidWorks. You can download the viewer from www.adobe.com.
- **DVD drive.**

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