



# Mastercam X<sup>4</sup> Entry

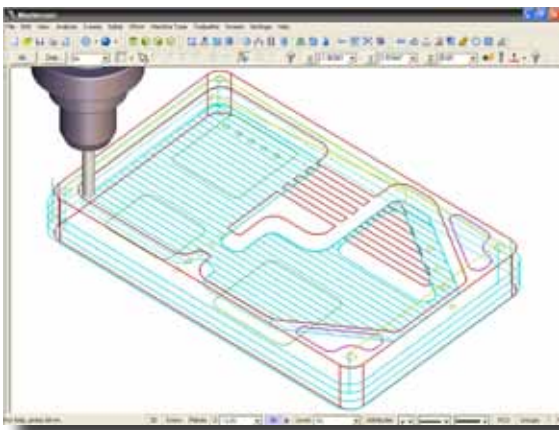
**Mastercam X4 Entry—Fast. Flexible. Reliable.**

*Mastercam Entry is a powerful way to fill your basic machining needs. Delivering a fundamental set of design and machining tools, Entry provides essential pocketing, contouring, drilling, and more. In addition, Mastercam X4 Entry offers an easy upgrade path to more powerful design and machining tools. Mastercam X4 Entry is an investment in your future—as your shop and needs grow, Mastercam can along with you.*

## Logical Part Modeling

Whether you bring in models from other CAD systems or create your own, superior design tools are essential. Mastercam makes your design work easier than ever before. Each piece of geometry you create is “live”, letting you quickly modify it until it’s exactly what you want. Traditional design functions are consolidated into a few simple clicks, simplifying the creation of even the most complex parts.

- Create 2D and 2D geometry easily with multiple ways to create entities.
- Create pre-filleted shapes to save time, including polygons, ellipses, spirals, and helixes.
- Easily model lettering, relief grooves, bounding boxes, doors and stairs.
- Associative dimensions update as you change your model.
- AutoCursor™ snaps to commonly used points to simplify construction.



## Powerful Contouring, Drilling and Pocketing

2D machining ranges from the very simple to the very complex. Mastercam Entry delivers a strong set of tools for all these operations.

- Dynamic Milling creates an active toolpath that delivers more consistent cutting conditions and allows use of the entire tool flute length.
- Powerful 2D high-speed machining produces smooth cutting movement.
- Easy pocketing with optional finish passes.
- Choose plunge, helical, or ramp entry.
- Use wear compensation for contour and pocket finish passes to adjust for tool wear at the machine tool without creating a new toolpath.
- Choose multiple machining areas with a single selection.
- Click and drag a machining start point to anywhere on your model.
- Smart pocket depth control for thin-walled pockets lets you machine depths without retracting, or machine all cuts in a single area before moving to the next.
- Facing cleans stock from the top of the entire part.
- Choose separate lead-in and lead-out for contours and pocket finish passes.
- Choose multiple roughing and finishing passes and multiple depth cuts for any contour.
- Calculate drilling countersink depths automatically.
- Optimize drill routines to minimize tool travel.



## Seamless Data Exchange

- Built-in data translators for IGES, Parasolid®, SAT (ACIS solids), Solid Edge® (PAR, PSM), SolidWorks® (SLDPRT), AutoCAD® (DXF, DWG, and Inventor™ files), STEP, EPS, CADL, STL, VDA, HPGL, and ASCII. (Solid models are translated as surfaces in Mastercam X2 Entry.)
- Optional data translators for CATIA, Pro/Engineer, UGS, and raster (bitmap) files.
- Save a description of your files for easier browsing and loading.
- View files before opening them.

## The Mastercam Family of Products

When you are ready to take the next step, you will find that the Mastercam CAD/CAM product line offers everything you need to create fast, efficient, accurate programs for manufacturing:

### Mastercam Mill

Mastercam Mill Entry can be upgraded to Mastercam Mill, our comprehensive milling package. Mill is available in three levels, providing a clear upgrade path and ensuring that you make the most of your initial CAD/CAM investment.

### Mastercam Lathe

A powerful turning package that includes C-axis (mill/turn) programming. Lathe Entry also available.

### Mastercam Wire

2-axis and 4-axis wire EDM programming

### Mastercam Router

A state-of-the-art routing package that also offers tabs, webs, breakthrough control, and nesting. It is available in three levels so you can pick the one that best suits your needs.

### Mastercam® for SolidWorks®

NC programming within SolidWorks

### Mastercam Art

Turn flat line art into artistic 3D work.

### Mastercam Solids

Powerful Parasolid® based part modeling.

### Mastercam University

Online Mastercam Training



## Authorized Mastercam Resellers

CNC Software's network of Mastercam Resellers is a powerful resource, offering technical support, training, and up-to-date information on all CNC products. To locate your local Mastercam Reseller, please visit [www.mastercam.com](http://www.mastercam.com).

## 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:** 1GB (minimum), 1.7 GB available hard disk space.

**Graphics:** 128 MB OpenGL-compatible graphics card (minimum).

**Monitor:** 1024 x 768 DPI resolution (minimum).

**Mouse:** Windows®-compatible 2-button or 3-button mouse (or with middle mouse wheel).

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