Mastercam’s streamlined CAD engine makes 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.

Tools to Make Programming Easier

Efficient turning means more than just programming a toolpath. Mastercam Lathe delivers a set of tools that impact your entire process:

- Fully associative toolpaths are linked with your geometry. Modify any element of a job and get updated toolpaths immediately without starting over.
- Mastercam’s CAD File Change Recognition tracks files from Mastercam or any other CAD system and shows what’s been changed for easy toolpath updating.
- Comprehensive insert libraries including ISCAR™, Sandvik®, Kennametal®, and Valentine®.
- Automatic machining start point to anywhere on your model.
- Intelligent ID and OD roughing, including roughing to a boundary for castings.
- Dynamic roughing extends button insert tool life and reduces machining time on hard materials.
- Variable roughing alternates the contact point between the surface and ceramic tool inserts to prevent notching and improve tool life.
- Set feedrates for desired finish quality.
- Grooving with multiple depth cuts and pecking.
- Easily assign groove depth, width, wall angles, corner radius, chamfer, and corner dwell.
- Automatically skip over a groove or cavity when roughing or finishing.
- Complete threading with multiple starts, diameter calculation, and thread tables.
- Full-radius plunge turning.
- Automatic gouge checking watches the front and back of the tool.
- Chuck, part, steady rest, and tailstock detection.
- Open and directly machine a solid model.
- Mastercam’s Tool Inspection option lets you automatically stop machining, allowing you to check the insert during roughing, finishing, and grooving operations.
- Quick-turned profile generation for uniform and non-uniform parts.
- Full milling and turning support available for machines with B-axis tooling arms.
- Live tooling for B, C, and Y axes.

Go to www.MastercamLathe.com for more.
**Specialized Options**

You may know that we offer a suite of software for turning, milling, wire EDM, router applications, and more. But we also offer a set of highly specialized Add-On options for those times when just that one additional CAD or CAM tool will make a specific job easier, faster, and more profitable. These include:

- Automatic separation of surface model into core and cavity, including draft angle analysis and identification of problem surfaces.
- Use of point data to create surfaces or STL data for reverse engineering and manufacturing.
- Focused 5-axis programming tools tailored to cutting multi-bladed parts and cylinder head ports.
- Complete programming for complex machining robots.
- Automated EDM electrode creation, including a library of definable stock sizes and materials.

See a full list at:

[www.Mastercam.com/Products/AddOns](http://www.Mastercam.com/Products/AddOns)

**System Requirements**

- **Processor:** 32-bit or 64-bit Intel or AMD w/SSE2 support.
- **Operating System:** 32-bit or 64-bit Windows 7 or Windows 8.
- **System Memory:** 2GB (32-bit OS) or 4GB (64-bit OS).
- **Hard Disk Space:** 40GB, 1GB free.
- **Graphics:** Minimum 1280 x 1024 resolution monitor, 128 MB graphics memory, OpenGL driver support.
- **Microsoft Products:** Microsoft IE v6.0 or higher, Excel and Word 2007 or higher.