

FastCAM® v7



Supports Huge CAD files

The FastCAM® development team has combined features to improve cutting speeds and reduce piercing whilst at the same time ensuring that NC programmers can keep up with the latest in technology demands without the high costs.

Today's CAD files contain an enormous amount of information and are much bigger in size, however FastCAM® v7 can now examine even the largest drawings microscopically, without loss of speed.

Supports the new Windows Operating Systems

Contact us for upgrade prices

Despite the low price, FastCAM® shines!

Worldwide, the total number of our FastCAM® software users is now over 50,000. Over 100 flame cutting and laser machine manufacturers have packaged FastCAM® with their machines.

FastCAM® 7 will allow you to process the new larger CAD files and use the latest cutting technologies. However, as with previous versions, it will provide everyday value to your business for years to come.

We have also introduced FastCAM® 3D, for the creation of true 3D shapes from steel with plasma, waterjet and laser however it will be sold as a separate product from FastCAM® (2D).

To keep your costs to a minimum, we are making FastCAM® v7 available as a software only upgrade.

Customers on a current Service & Maintenance Contract can go to our web site and download the software under the support area.

• Software Upgrade– Site License

From FastCAM® Professional Edition.
Includes 30 day electronic support for installation & operation issues only.

• FastCAM® Standard Upgrade to v7

From FastCAM® Standard Edition v5.x to v7.
A restricted featured upgrade to provide support for larger CAD files/CAD & Windows 7 compatibility ONLY. Includes 30 day electronic support for installation & operation issues. May require a new USB dongle.

• Upgrade+Maintenance+Support-SiteSMA

From FastCAM® Professional Edition. This option includes 12 months unlimited technical support (phone/email/remote LogMeIn fix via web access) +continued upgrades via download.

Note: All upgrades require a valid serial number as proof of purchase. This number is etched onto your dongle. It can also be located in the software program. Select – Control pts then About. Contact your local office for assistance.





Interactive Web Training

Interactive web training is available in ½ hour and 1 hour sessions.

Online training enables the NC programmer to extract full value from the new features and functionality of the software. In particular our Patented EdgeSmart™ technology, kerf starts box starts for dramatic gains in productivity and plate savings for all cutting technologies.



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FastCAM® v7 Features List:

- **Support for huge CAD files :**
 - Entities in a single drawing up to 500,000 (from 32,767).
 - Long integers up to 1 billion without loss of accuracy. (Previously 32,767).
 - Double precision for DXF files: 16 digit accuracy.
 - Faster CAD Clean analysis with high speed linearization and automatic closure on the whole drawing. CAD Fix also now finds and repairs the smallest breaks and discontinuities on these very large DXF files. Results in less stoppages, faster cutting and better part quality using new and improved logic/calculation.
- **Plate Saving Productivity with Patented EdgeSmart™ technology:**
 - Kerf Start - places the torch on a previous cut edge
 - Box Start - creates pierce 'opportunities' strategically within a nest
 - Plate edge starts for zero pierce nests
 - Dual kerf cutting (one way then the other) to minimize movement
 - Entries automatically positioned to minimize movement for a given cut sequence - Intelligent placement of pierce points within a nest.
 - Auto plate breakup before part removal
- *Automatic* true offset arrays in FastNEST®. Also known as triangular nesting or when parts aren't quite rectangular such as diamond shapes, odd shapes (e.g. flanges).
- Ability to move entries (lead-ins) and exits (lead-outs) after allocation in FastCAM® and after pathing in FastNEST®.
- More types of moveable bridges: Positive, negative, single tabs, opposite tabs, tabs with entries.
- Fully automatic common cutting (pairs & complete nests).
- Movement (thermal) Analysis to highlight parts in danger of heat distortion.
- **Improved Cut Quality:**
- Multi stage corner and hole size deceleration and acceleration in NC output option improves cut quality on corners and small holes.
- New class of Holes - Small Hole, Medium Hole, Large Hole and Outside Contour Distinctions for using different Feedrates and different M-codes.
- Automatic NC collision checker (in both FastNEST® and FastPLOT™) to prevent overlap cutting mistakes. Especially valuable in big complex nests where a simple bumped part can result in an expensive mistake.
- **Added Support / Compatibility:**
- Support for 2 ½ axis routers with multiple pass and variable height tabs.
- Enhanced StruCAD DSTV file support: DSTV XML input, Bulk DSTV to DXF conversion (for XSTEEL).
- Support for the latest Microsoft Windows Operating Systems.

Development work on previous versions of FastCAM® will now cease so we encourage all customer to upgrade to v7 as soon as possible. Customers on Annual Service & Maintenance Agreements can login and download updates from the support area on our web site.

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More information at www.fastcam.com