

# FastCAM® NC CHECKER COLLISION & OVERLAP AVOIDANCE



**New in FastCAM® v7!**

**NEW  
TECHNOLOGY**

## REPLACES VISUAL CHECKING WITH A FULLY AUTOMATIC SYSTEM

A new FastCAM innovation has been the development of collision checking in both FastNEST® and FastPLOT™.

The idea is to replace the current visual checks for interference with computer based checks.

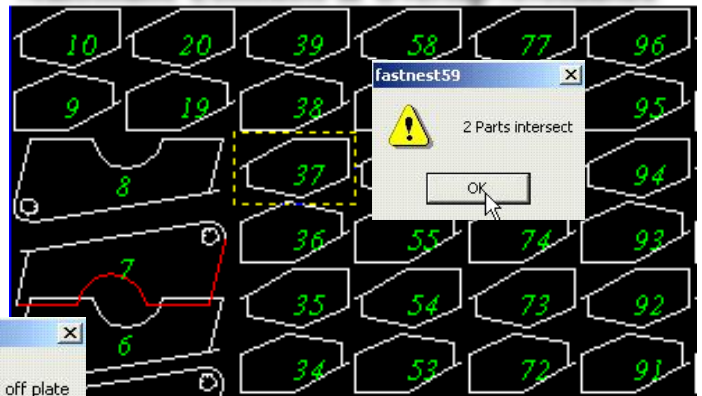
This is especially important in big and complex nests where even with the best efforts, a small overlap can be missed in what is visual checking and an overlap will ruin at least two parts.

A simple bumped part can produce an expensive mistake in processing.

Collision Avoidance plays the same role as spelling and grammar checks in word processing in preventing mistakes reaching production.

It's easy to make this new technology part of your Quality Control!

## FastCAM® NC Checker Automatic Collision & Overlap Avoidance



### Nuts and Bolts:

With FastCAM® Pro Edition ONLY

Will also check previously generated NC code!

Simple to Setup

Simple to Maintain

Use with FastNEST®

Use with FastPLOT™

## HELPS PREVENT EXPENSIVE CUTTING MISTAKES

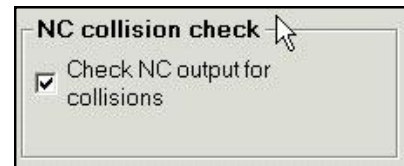
Under FastNEST®, NC Checker is useful to check collision detection on all parts automatically when NC code is generated.

FastPLOT™ is also able to perform this check.

This will not prevent all programming mistakes but

will determine if a cut path intersects with another cut path and whether a part is off a plate in nesting.

Even a single determination will potentially prevent a very expensive mistake from reaching production.



You can set the system so that you will be prompted to run FastCAM® NC CHECKER whenever you output code. It will only add a minute.

*FastCAM has been supplying PC-based software for Burning, Shearing and Sawing/Drilling machines for over 25 years. The flagship product FastCAM® offers unique integrated postprocessors, NC verification and NC code nesting that still sets it apart from other CAM and CAD/CAM systems. The new generation of FastCAM® software is used in many countries, in many languages and in many different environments.*

*Today the product line has been expanded to include dozens of trademarked products offering a wide range of solutions for metal fabrication and Service Center operation. FastCAM has OEM and Business Partners in North America, South America, China, Australia, New Zealand and Europe (Poland, UK, Czech, Hungary). We welcome all enquiries.*

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FASTCAM SUPPORTS: BURNY, LYNX, WESTINGHOUSE, ESAB, PICOPATH, CREONICS, HANCOCK, FANUC, C & G, PCS, KOIKE SANOS, TANAKA, MESSER, FAGOR, FARLEY, ANCA, SIEMENS, JHE, HYBRID, MYNUC, ANCA, PDF32 AND MANY OTHERS. THIS IS NOT A COMPLETE LISTING — CONTACT YOUR RESELLER OR SEE OUR WEB SITE FOR MORE..

## ADDING FUNCTIONALITY TO FASTCAM®

Add functionality to your machine:

**Textmarker**—for machines fitted with scribes wanted part marking abilities. (Requires FastCAM®.)

The following are trademarked products and are separate, complete programs that can be used alone or in conjunction with FastCAM®:

**FontGEN**—Fonts into DXF.

**Outline**—Convert images to DXF.

**Tradesman in a Box™**—System for hand cutting and manual lofting.

**FastSHAPES®**—Develop 40+ blow-pipe shapes in thick plate instantly.

**FastTRACK®**—Remnant Tracking for Processed Plate.

**FastCAM® QE**—Complete Optimized Database-driven Quotation System for Processing.

**FastCAM® MTO**—Fast, automatic material take-off specific to steel.

**FastFRAME® and FastPIPE™**—Tubular and Pipe Development Programs.

**FastBEAM®**—Graphic Beamline programming system.

**FastCOPY®**—Digitize parts to NC.

**FastCUT®**—Optimize, Cost, Cut List.

**FastLINK™**—Fast DNC download from PC to cutting machine.

COMBINING FASTCAM® WITH OTHER PROGRAMS OFFERS THE MAXIMUM IN PRODUCTIVITY GAINS

### SQUARE TO ROUND TRANSITION



Using FastSHAPES®, this square to round transition was completed in less than 30 seconds ready to send to the burning machine. The development even included the line marking and number of degrees for forming every bend! Handles simple and complex shapes. All read directly into 2D and 3D CAD systems.

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