

NCG CAM

THE 3 – 5-AXIS MACHINING SOLUTION FOR CUTTING COMPLEX GEOMETRY

As a provider of technologically advanced manufacturing solutions, NCG CAM will provide a rapid Return on Investment, increasing the efficiency of your machining environment.

This product expands the capabilities of your milling solutions with powerful new technologies like:

- True Multi-Threading capability
- Anti-Vibration capabilities utilised during roughing routines
- Feed-Rate Optimisation with Automatic Look-Ahead capability
- Full Holder and Shank Gouge protection
- 5-axis Simultaneous Machining
- Complete HSM movement



Why Machine with a 4 or 5 Axis CNC Machine?

- Faster machining times (reduced number of setups)
- Better surface finish due to the use of shorter cutting tools
- Faster machining, higher feeds and speeds, (shorter tool)
- More accurate part
- Lower tooling costs, (less setups)
- Lower rework costs due to human error in multiple setups
- Less time hand finishing

Supported Formats

NCG CAM supports all of the popular 3D data exchange formats;

- IGES
- STEP
- SolidWorks – (Model Associativity)
- Parasolid
- CATIA V5 & V4
- Pro/ENGINEER – (Model Associativity)
- UG

Why Use NCG CAM?

Here are a few good reasons more and more CAM users are switching to NCGCAM!

- Stand alone CAM software, compatible with ANY CAD package
- Extremely easy to use; only 1 day of training required to cut a part
- Ideal for shop-floor programming or offline programming.
- While the CNC machines are running, the operators can create the next job to cut.
- Powerful 3D machining, 2 ½ to 5-axis
- Optimised toolpaths for HSM machining
- Increased efficiency
- Reduced wear on machine
- Extended tooling life
- Advanced technology features

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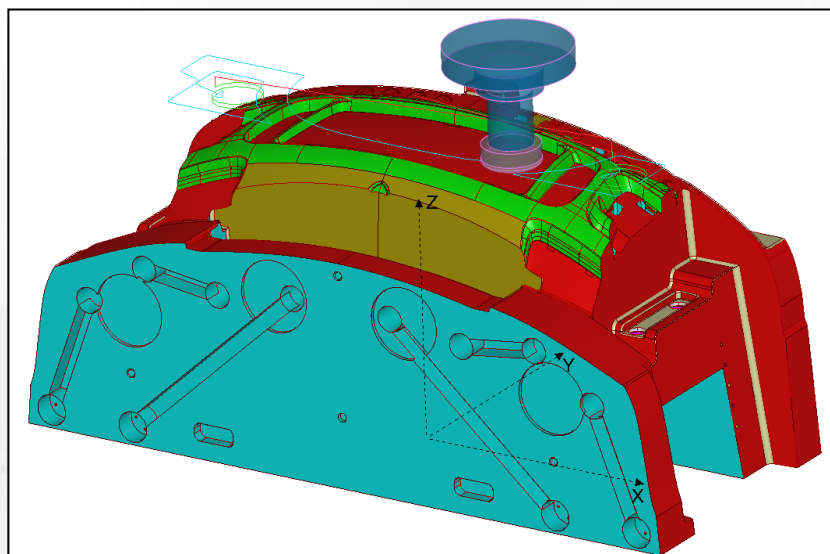
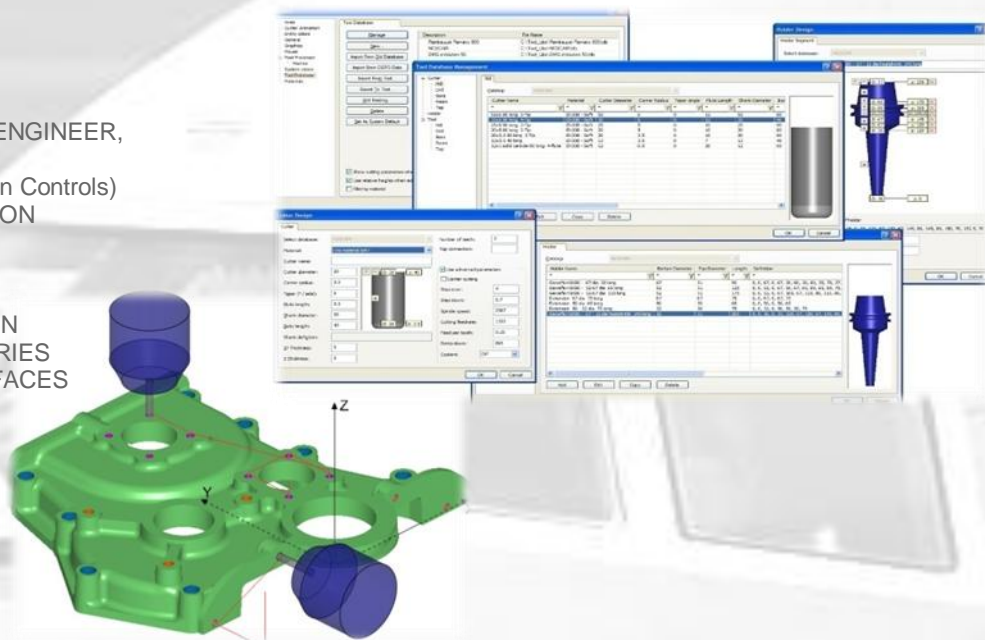
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Available Machining Strategies

- AREA CLEARANCE ROUGHING
- CORE ROUGHING
- RASTER ROUGHING
- ZIG-ZAG ROUGHING
- REST ROUGHING
- WATERLINE
- HORIZONTAL AREA
- RASTER
- PERPENDICULAR RASTER
- SPIRAL
- RADIAL
- 3D CONSTANT OFFSET
- MORPH
- PENCIL MILLING
- PARALLEL PENCIL MILLING
- REST FINISH
- CORNER OFFSET
- BOUNDRY
- 2D COMP ALONG CURVE

Additional Features

- MULTI-TASKING CAPABLE
- MODEL ASSOCIATIVITY (Pro/ENGINEER, SolidWorks, IGES)
- PART INSPECTION (Heidenhain Controls)
- SHOP FLOOR DOCUMENTATION
- TOOL HOLDER LIBRARIES
- CUTTING TOOL LIBRARIES
- ELECTRODE MACHINING
- AUTOMATIC HOLE DETECTION
- EDIT TRIM SURFACE BOUNDARIES
- OFFSET PROTECTION SURFACES
- 3 + 2 5-AXIS MACHINING
- STOCK MODELS
- 3 TO 5-AXIS CONVERSION



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