NC Editor is a powerful and easy to use tool for editing, simulating, back plotting and verifying G-code for CNC machining.

The intuitive interface provides instant 3D simulation while you edit the program to detect potential collisions and errors at a glance and to instantly verify your changes to the code.

Integrated Job Setup for fast and easy tool creation and built-in support for multiple CNC machines further accelerate and simplify the editing and verification process to make the NC Editor a complete NC verification system that optimizes the quality and efficiency of machining processes.

**Key Benefits**
- NC G-code based simulation
- Backplot and material removal mode
- Error and collision detection
- Reduce setup time by using the integrated Job Setup
- Interactive toolpath visualization
- Standalone application

**General Features**
- Full machine simulation
- Milling: 2-Axis, 3-Axis
- Multi-Axis milling: 4-Axis, 5-Axis
- Turning / lathe
- Toolpath statistics
- Program transfer
- Canned cycle support

**Edit**
- Easy editing of NC program
- Update feed / speed
- Alter parameter values using simple maths
- Remove blank lines / spaces
- Re-number block numbers
- Adjustable font size

Image: 3-Axis milling  Image: 5-Axis milling  Image: G-code Editor
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NC Editor

**Display and View**
- Colors to highlight G-code functions
- Group by tool change
- Jump to comment
- Step through code, including canned cycles and subroutines
- Synchronized display in backplot / simulation

Image: Drilling canned cycle

**Simulation and Error Detection**
- Collision detection between machine parts
- Collision detection with tool – flute, shaft, arbor and holder
- Clash detection – tool, rapid moves
- Detect wrong programming formats

Image: Collision detection

**Job Setup and Controller**
- Handles all necessary tool data including adapters and holders
- Stock, fixture and target 3D models
- Customizable controller files

Image: Job Setup

**Related Products**
For information on other CAD/CAM components, including 3-Axis and 5-Axis toolpaths, visit:
www.moduleworks.com