



ModuleWorks

Get There Faster.

NC Editor Component

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

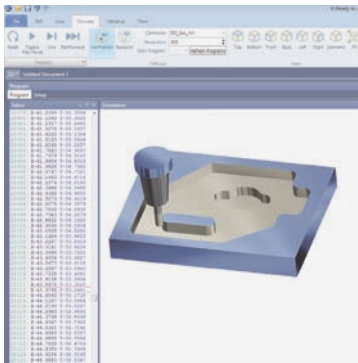
The intuitive interface provides instant 3D simulation while you edit the program to detect potential collisions and errors at a glance and to instantly verify your changes to the code.

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.

```

N11 Y-2.0809
N12 X-5.0211 Y
N13 X-7. Y-5.
N14 X-8. Y-4.
N15 X-8.75 Y-2
N16 Y0.4191
N17 X-6.5 Y8.5
N18 X-2.25 Y6.
N19 X2.25
N20 X5. Y3.5
N21 X6. Y0.4191
N22 Y-2.0809
N23 X5.0211 Y-
N24 X7. Y-5.
N25 X8. Y-4.
N26 X8.75 Y-2.
N27 Y0.4191
N28 X6.5 Y8.5

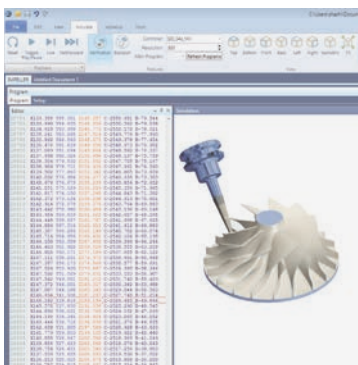
```



3-Axis Milling

Key Benefits

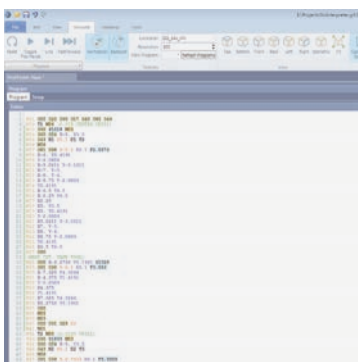
- NC G-code based simulation
- Backplot and material removal mode
- Error and collision detection
- Reduce setup time by using the integrated Job Setup
- Interactive toolpath visualization
- Standalone application



5-Axis Milling

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

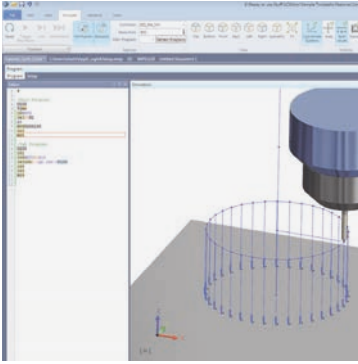


G-code Editor

Editing Capabilities

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

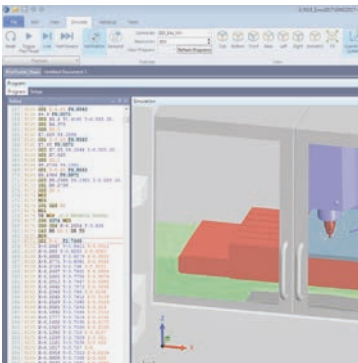
Fact Sheet: NC Editor Component



Drilling Canned Cycle

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



Collision Detection

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



Job Setup

Job Setup and Controller

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

For information on other CAD/CAM components, including 3-Axis and 5-Axis toolpaths, visit:

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