

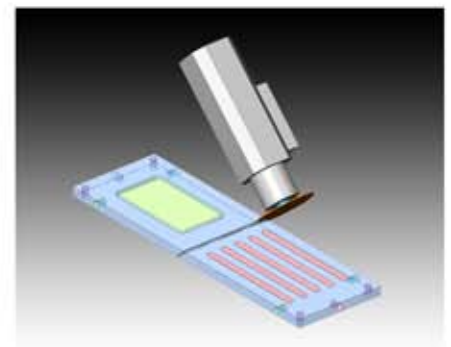
Fact Sheet: Woodwork Component

Industry proven CAD/CAM Software Components for Woodworking Applications providing High Quality 5-Axis Machining, 3-Axis Machining and Simulation of the Part and Machine.

To request a 30 minute online Demonstration, email your preferred Time and Date to: WoodworkDemonstration@moduleworks.com

Key Benefits

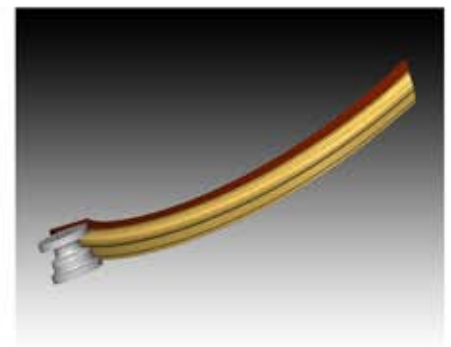
- State of the Art Technology
- Proven in the Woodwork Industry
- Easy to use
- Cost effective to implement



Sawing Simulation

General Features

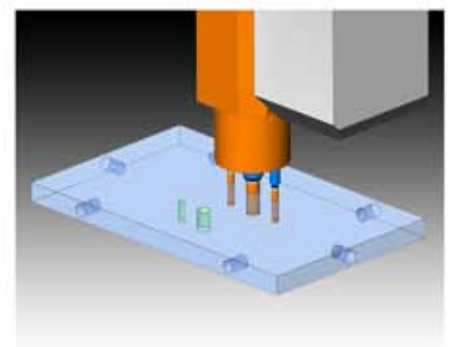
- Simulation of Material Removal
- Simulation of Machine Tool Movements
- 3-Axis Toolpath Creation
- 5-Axis Toolpath Creation
- Direct Bridges to ACIS, Parasolid and CASCADE Geometry Kernels



Form Tools

Material Removal Simulation

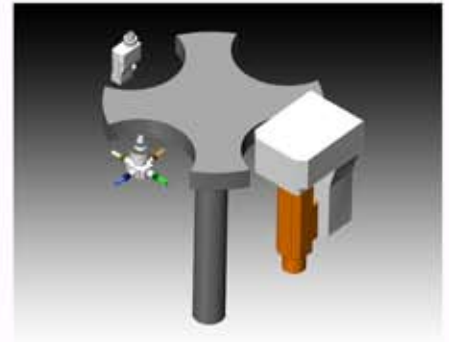
- Supports all standard Machining Operations
- Support for Drill Blocks
- Heads with 4-Way Drills
- Cutting with Saws
- Optimisation for large Panel Parts
- Form Tools, including concave Shapes



Drill Blocks

Machine Tool Simulation

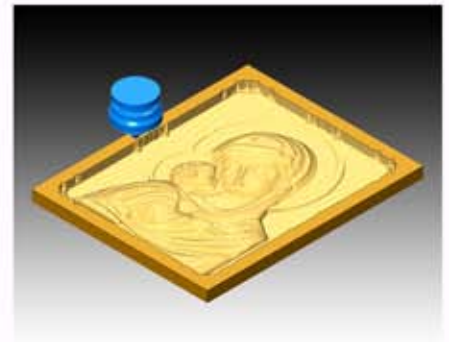
- Full kinematic Machine Model
- Advanced Collision Detection
- Replaceable Heads
- Vacuum Pods to hold Plates
- Flexible CL File based Simulation
- Time-based Simulation
- Multiple Streams



Replaceable Heads

3-Axis Toolpath Creation

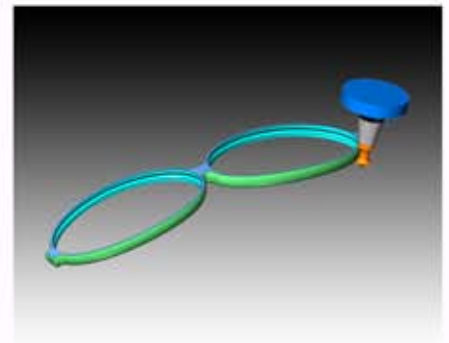
- Automated Cycles for Sculptured Surfaces
- Advanced Roughing Options
- Wide Range of Finishing Cycles, including parallel Cuts, Z-Level, Constant Cusp, Projection and Pencil Machining
- Full 3+2-Axis Support



3-Axis Finishing

5-Axis Toolpath Creation

- Wide Range of Cycles
- Full Collision Control
- Inverse Kinematics to calculate Machine Angles
- Variety of Approach and Link Options
- SWARF Cutting based on Curve Geometry
- Handling of Machine Singularities to avoid burning the Part



5-Axis SWARF Profiling

Related Products

For information on other CAD/CAM industries, including aerospace and dental, visit:

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