

MecSoft Corporation

18019, Sky Park Circle, Suite K,L
Irvine, CA 92614, USA

PHONE: (949) 654-8163
E-MAIL: SALES@MECSOFT.COM
WEBSITE: WWW.MECSOFT.COM

VisualMill v3.0

Stand-Alone NC Programming System for the Mold, Die and Rapid Prototyping Industries

For Immediate Release
Monday, June 25, 2001

Irvine, California — MecSoft Corporation introduces its newest product VisualMill v3.0, an Affordable, Robust Shop Floor NC solution for the those users requiring demanding functionality at outstanding price/performance value. Powerful 3-axis milling operations include Roughing, Re-Roughing, Rest milling, Pencil milling and excellent "slope machining" control, features typically found in much more expensive CAM programming systems. For simple 2 ½ axis tasks, VisualMill v3.0 provides Facing, Pocketing, Profiling and Drilling, including 4-axis positional machining with any strategy. Integrated toolpath verification and toolpath editing and user configurable post-processor, is available in one, easy to use and affordably priced product. VisualMill v 3.0 is available for download by visiting: <http://www.mecsoft.com>

VisualMill v3.0 New and Improved Features:

- New 4-axis positional machining with any machining strategy, useful for machining multi-sided parts
- Re-roughing enhancements, excellent for re-machining areas where larger tools left material behind
- New cutting method for finishing- "3-Axis Pocketing"
- New "Part offset" cutting method for roughing, useful for cutting hard materials
- New Reverse post-processing of G-Code and APT CL files
- Greatly expanded graphical toolpath editor
- Improvements in machining geometry creation, including containment boundaries and planes
- Graphical user interface enhancements for streamlined operation
- Performance Improvements
VisualMill allows users to plan and create machining operations such as roughing, pre-finishing, finishing, re-machining and hole-making using it's simple and logical interface.

On-screen pushbutton selection of tools, machining operation parameters, and display functions allows for fast, easy and intuitive creation of these machining operations. Further, these user-defined machining operations can be captured in VisualMill's knowledge database for reuse, thereby eliminating redundant setup times while generating error-free tool paths. VisualMill's built in cut material simulation and tool animation add visual realism to help users prove out the generated tool paths before running them on the machine tool. Additionally, VisualMill's toolpath optimization functions can be utilized to generate highly optimized machine code that significantly cuts down machine time and improves the quality of surface finish.

Additional key features of VisualMill v3.0 include:

Interfaces for CAD systems
IGES, STL, Parasolid, ACIS, DXF, DWG, VDA/FS
Rhino (direct read of 3DM files)
Solid Edge (direct read of PAR files)
SolidWorks (direct read of SLDPRT files)

Advanced Milling strategies

Pencil Tracing for removing excess material in corners

Valley Re-machining to machine only in areas where a larger cutter could not enter

Automatic steep and flat area detection for optimized machining

Plus many others!

System requirements:

Pentium™ class processor

Windows© 95, 98, NT, 2000 64 MB RAM

Open GL compatible graphics card