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VisualMill v2.5 Solid/Surface Model Milling System from MecSoft Corp.

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Irvine, California — MecSoft Corporation introduces its newest product VisualMill v2.5, a high performance manufacturing system for machining 3D parts of any shape. Complete machining functionality featuring 3 axis, 2 1/2 axis (profiling, pocketing, facing), engraving, hole-making and unlimited shop floor adaptability through a user configurable post-processor, is now available in one, easy to use and affordably priced product.

Enhancements include:

- New hole-making module for drilling, tapping, boring and reverse boring
- New 2 1/2 Axis milling module for profiling, pocketing and facing
- New user configurable post-processor
- New toolpath optimization functions such as arc fitting and corner slow-down
- New graphical toolpath editing functions
- New performance and memory usage improvements
- VisualMill allows users to plan and create machining operations such as roughing, pre-finishing, finishing, re-machining and hole-making.

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 v2.5 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
- Re-machining to machine only in areas where a larger cutter could not enter
- Automatic steep and flat area detection for optimized machining
- From a foundation of proven in-depth experience in manufacturing and high performance CAM software development, MecSoft's product team set high standards for VisualMill v2.5. Powerful, fast and easy-to-use at an affordable price add up to uncompromising value with VisualMill v2.5.

System requirements:

Pentium™ class processor

Windows© 95, 98, NT, 200064 MB

RAMOpen GL compatible graphics card