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FOR IMMEDIATE RELEASE

Machining Optimization Software Reducing Production Times for Military Vehicles More Than 20%

MINNEAPOLIS, MN. (25 June 2010) –Third Wave Systems’ NC program optimization software, Production Module, has been consistently delivering cycle time reductions of at least twenty percent for several years. In the last few years alone, the technology has been used by Department of Defense aircraft manufacturers to improve machining processes for the F-35 and V-22 vehicles, where production improvement times of more than fifty percent been demonstrated. During IMTS 2010, Third Wave Systems will announce its intent to release Production Module 6.0.

AdvantEdge Production Module is NC program optimization technology that allows users to simulate the machining process before commencing physical tests, optimizing process parameters with consideration for existing equipment and tool and workpiece limitations – further reducing overall production times. Material physics-based optimization features within the software apply high performance machining methods to existing processes with to attain optimum design and manufacturing parameters.

Production Module does not require engineers to halt production, nor spend valuable dollars on new equipment; instead, the software interfaces with industry-leading CAD/CAM packages for seamless integration with current design cycle processes. Instead of requiring that users manually determine an optimization strategy based on trial-and-error testing and experience, the technology automatically suggests parameter improvements with consideration for material properties, cutting tool geometries, toolpath approach, and calculated tool forces and temperatures. Technology users ultimately gain machining expertise and make the most of their current resources without sacrificing finished part strength, quality, weight, or fatigue.

(more)

Third Wave Systems will announce its plan to release Production Module 6.0 during IMTS 2010, which will include new and improved features to enhance the user experience. A regular exhibitor at IMTS, Third Wave Systems will have an even stronger presence this year with booths in both the east and west pavilions (booths E-3929 and W-2123, respectively). Production Module will be featured prominently in booth E-3929, while the company's physics-based finite element analysis software, AdvantEdge FEM, will be showcased in booth W-2123.

About Third Wave Systems, Inc. Third Wave Systems provides physics-based machining modeling software and services used by Fortune 500 aerospace, automotive, and cutting tool companies to optimize machining processes. Headquartered in Minneapolis, Minnesota, USA, Third Wave Systems also has offices in Detroit, Michigan and Rotherham, UK. International distributors are located in Europe and Asia.

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