THIRD WAVE SYSTEMS

MODELING TECHNOLOGY · MACHINING SOLUTIONS

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FOR IMMEDIATE RELEASE

Third Wave Systems Announces Production Module 5.8

MINNEAPOLIS, MN. (May 2010) – Third Wave Systems has released a beta version of its Production Module 5.8 software. Production Module is process-analysis CAE software that integrates workpiece material properties, CAD/CAM inputs, and machine dynamics to map forces, temperatures, and more. Over the years, this technology has become integral to engineers looking to reduce cycle times, maximize machine utilization, and reduce tool breakage. By displaying results visually, Production Module allows users to better understand the machining process to avoid potential problems and identify opportunities for improvements.

Production Module 5.8 3D will be packed with more new features than usual for TWS, as the company has focused on the software's ease of use and automated functionality:

- With the new **multi-constraint optimization** feature, minimum and maximum optimization limits are consolidated into one value and a new optimization constraint is introduced. This secondary input allows users to define another variable and limit not to be exceeded during optimization. These two force checks, combined with preexisting feed rate constraints, will provide a more complete optimization solution.

- **Selective force computation** allows user to select which results they want to compute. Calculating only the results which are of interest increases graph display speed and decreases the amount of memory required.

(more)

- A new **air-cut optimization safety check** ensures that cutting tools are a safe distance from the workpiece, providing a safer air-cut optimization.

- **Performance speedups** mean the software delivers results faster and makes the software quicker to navigate. Speedups of up to 2x have been achieved for force computation, graph displays, and workpiece loading.

Significant efforts were also dedicated to better align the 2D Production Module user experience with that of Production Module 3D. Current PM3D users may recognize several features that will now be integrated with PM2D, including:

- **Comparison Graph** – a second graph to better analyze multiple results at the same time

- **Navigator –** allowing users to easily review and navigate the toolpath

- **Archiving –** automatically zips the key input files needed for setup, providing easy storage of the projects for future use

- **Machine File Setup** – enabling all changes to machine parameter and transient files to be made within the Production Module 2D user interface.

About Third Wave Systems, Inc. Third Wave Systems provides material-based, machining modeling software and services used by Fortune 500 aerospace, automotive and cutting tool companies to optimize traditional and state-of-the-art high speed 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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