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***For Immediate Release***

## **NCDMM To Provide Cutting Edge Milling Optimization Services**

**Latrobe, PA, July 15, 2009** – The National Center for Defense Manufacturing and Machining (NCDMM) and BlueSwarf Manufacturing Laboratories, an original NCDMM Alliance Partner, are proud to announce their new program to offer advanced optimization services for CNC machining center tooling. This program uses patented BlueSwarf MetalMAX™ and Harmonizer® technologies to provide NCDMM clients with the maximum available chatter-free tool speeds, feeds and cutting depths. Using this technology will provide an immediate and dramatic improvement in machine productivity, which is particularly beneficial for high volume or long machining operations.

The program works as follows. First, NCDMM engineers will visit a facility to conduct a series of impact (or tap) tests on any brand of milling tool in a specific machine spindle. Second, NCDMM will transmit this information to BlueSwarf's staff of machining dynamics experts, who will analyze the data and an interactive computerized Tool Dashboard™ will be produced. Third, NCDMM will provide the Tool Dashboard™ to the user and provide any additional assistance necessary to ensure the information used effectively.

With the Dashboard tool, users will be able to forecast tool stability as they manipulate cutting conditions such as cutting depth and width, spindle speeds and feed rates before the tools ever enters the cut. Optimizing the cutting conditions will maximize metal removal rate and reduce overall cut time. In typical applications improvement in metal removal rates of more than 30%, overall energy reduction of at least 20%, and a doubling of tool life have been realized. ***THIS PROGRAM WILL IMPROVE YOUR MACHINING CENTER PRODUCTIVITY!***

The NCDMM is providing the BlueSwarf Tool Dashboard™ service for all military CNC machining center users, as well as, defense manufacturers and their subcontractors. The NCDMM has GSA and Indefinite Delivery/Indefinite Quantity (IDIQ) procurement contracts. For more information about this service, please contact Shawn Nesmith at [shawn.nesmith@ncdmm.org](mailto:shawn.nesmith@ncdmm.org).

**ABOUT THE NCDMM** - The NCDMM delivers optimized manufacturing solutions that enhance the quality, affordability, maintainability, and rapid deployment of existing and yet-to-be developed defense systems. This is accomplished through collaboration with government, industrial, and academic organizations to promote the implementation of best practices to key stakeholders through the development and delivery of disciplined training, advanced technologies, and methodologies. For additional information, visit the NCDMM at <http://www.ncdmm.org>.

**ABOUT BLUESWARF** – BlueSwarf Manufacturing Laboratories is a provider of high speed machining (HSM) data and information services. BlueSwarf publishes Tool Dashboards™ with optimized machining data for milling operations, a subscription based HSM knowledge center and uses state-of-the-art data collection and remote monitoring technologies to deliver virtual consulting services for high speed machining. BlueSwarf, an original alliance partner of the National Center for Defense Manufacturing and Machining, is located in State College, Pennsylvania.

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