

Engineering Matters, Inc.



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ENGINEERING MATTERS, INC. RECEIVES PRESTIGIOUS PRODUCT AWARD FROM *R&D MAGAZINE*

*Company's force-feedback joystick recognized as one of the 100 most
technologically significant products introduced into the marketplace over the past year*

Newton, Mass. – July 26, 2005 – Engineering Matters, Inc., developer of the EMF (Electromotive Force) Joystick, announces that *R&D Magazine* has selected their invention to receive one of the 2005 R&D 100 Awards, granted to the 100 most technologically significant products introduced in the past year. The company will be honored along with the other recipients at a black-tie formal event on October 20, 2005 in the Grand Ballroom of Chicago's Navy Pier.

In a letter to Engineering Matters, Tim Studt, editor-in-chief of *R&D Magazine*, stated, "Let me congratulate you and your project team on the design, development, test, and production of this remarkable product. This year's program was especially competitive and you should be proud of your accomplishment."

The 43rd annual competition of the R&D 100 Awards saw entries from many of the most prestigious companies, research organizations, and universities in the world. The *Chicago Tribune* once described the R&D 100 Awards as "the Oscars of invention."

Compelling Product Responds to Long-Overlooked Need

The EMF Joystick is a direct-drive, force-feedback joystick that meets a long-overlooked need in the aerospace and heavy equipment simulation markets by serving as a high fidelity man/machine interface device at a low-to-medium cost. Simulation training is more effective and takes less time because the joystick provides more accurate recreations of real-life experiences.

The EMF Joystick has no gears or pulleys and is a completely integrated system (two degrees of freedom utilizing one motor), requiring less maintenance and delivering greater reliability. Another important feature is its increased bandwidth (1000 Hz), which allows operators to experience a much broader range of feedback for improved situational awareness.

Customers Offer Further Validation

The EMF Joystick was developed through a SBIR (Small Business Innovative Research) program with the U.S. Air Force Research Laboratory. The U.S. Air Force currently uses

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the EMF Joystick for a number of applications. Pilots and trained ground controllers can control remote devices such as robots and aircraft when time delays occur and wind disturbances are affecting flight.

“The EMF Joystick represents the supreme technology in this area; it is the finest force-reflecting manipulandum that exists in the marketplace today,” stated Daniel Repperger, Ph. D., Director of the Human Sensory Feedback Laboratory at Wright-Patterson Air Force Base in Dayton, Ohio.

CAE, a leader in integrated training solutions and simulation technologies, uses the EMF Joystick for flight trainer development and simulation.

“The EMF Joystick is a very fine and innovative product,” stated Charles Guerrette, group leader for Flight Control Systems at CAE. “It is remarkable in its design and packaging since it uses very little space for the functionality it offers. The system was a snap to install in our lab.”

In addition to military, aerospace, training and simulation applications, the high performance EMF Joystick provides increased capabilities in numerous other areas, such as robotics, navigation, manufacturing, heavy equipment, and the entertainment/amusement market.

About Engineering Matters, Inc.

Engineering Matters, Inc. was launched in 1998 by three MIT (Massachusetts Institute of Technology) graduates. The Newton, MA-based company specializes in original and creative product development in electromechanical design and implementation, utilizing state-of-the-art design tools.

A woman-owned small business, Engineering Matters is dedicated to creating practical solutions to customers’ problems. Through innovation and the application of sound engineering principles, the company helps its customers attain technical superiority.

For more information about Engineering Matters, call (617) 965-8974 or visit the Website at <http://www.engineeringmatters.com>. Engineering Matters’ offices are located at 375 Elliot Street, Suite 130K, Newton, MA 02464.

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