



## EMCORE Introduces Portable Terahertz Spectrometer

Albuquerque, New Mexico, November 8, 2011 – EMCORE Corporation (NASDAQ: EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optic and solar power markets, announced today the formal launch of its latest breakthrough in Terahertz technology, the PB7200 Portable Frequency Domain Terahertz (THz) Spectrometer. Demonstrated at the recent IRMMW-THz Conference in Houston, TX, the PB7200 is designed for THz researchers and application developers who need to study the properties of materials at THz frequencies with high resolution. Key applications of this technology are explosives characterization and detection and non-destructive material inspection.

The PB7200 is the first truly economical THz system that can sweep from 100 GHz to over 2.0 THz in a single rapid scan with high-frequency resolution. It employs precisely tuned, fiber-coupled, semiconductor lasers with highly advanced photomixers for signal generation and detection. In addition, the PB7200 features sophisticated digital control hardware and software to provide a fully turnkey, portable THz spectrometer.

"The PB7200 represents a breakthrough in the field of THz technology because it offers outstanding performance at half the price of competing systems. It can support single frequency or broadband frequency range operation in specific spectral regions of interest with varying degrees of resolution. This versatility makes it a valuable tool for multiple applications," said Dr. Joseph Demers, Advanced Photonics Principal for EMCORE.

For more information on the PB7200 Portable Frequency Domain Terahertz (THz) Spectrometer, please visit EMCORE Photonic Systems at <http://emcorephotonicsystems.com/products/terahertz-thz-spectrometer/>.

### About EMCORE

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the broadband, fiber optics, satellite communications, defense & homeland security, and solar power markets. EMCORE's Fiber Optic segment offers optical components, subsystems and systems for high-speed data and telecommunications networks, cable television (CATV) and fiber-to-the-premise (FTTP), as well as specialty photonics technologies for defense and homeland security applications. EMCORE's Photovoltaic segment provides products for both satellite and terrestrial applications. For satellite applications, EMCORE offers high-efficiency Gallium Arsenide (GaAs) solar cells, Covered Interconnect Cells (CICs) and panels. For terrestrial applications, EMCORE is adapting its high-efficiency GaAs solar cells for use in solar concentrator systems. For further information about EMCORE, visit <http://www.emcore.com>.

### Forward-looking statements:

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding the company's expectations, goals or intentions, including, but not limited to, product features and their benefits, product quality and network growth. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about the company and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements. Risks and uncertainties that could cause the company's actual results to differ from those set forth in any forward-looking statement are discussed in more detail under "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in the company's SEC filings. Forward-looking statements contained in this press release are made only as of the date hereof, and the company undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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