



EMCORE's EN-300 Precision FOG Inertial Measurement Unit Achieves General Availability Milestone

October 27, 2020

ALHAMBRA, Calif., Oct. 27, 2020 (GLOBE NEWSWIRE) -- EMCORE Corporation (NASDAQ: EMKR), a leading provider of advanced mixed-signal products that serve the aerospace & defense and broadband communications markets, announced today that its EN-300 FOG (Fiber Optic Gyro) Inertial Measurement Unit (IMU) is now in high-rate production and is broadly available for purchase with 12-week lead times.

EMCORE's EN-300 offers up to 10X the bias performance of legacy systems in a form, fit, and function compatible package. This improved performance makes the EN-300 ideally suited to serve GPS denied navigation, precise targeting, and line-of-sight stabilization requirements for unmanned aerial vehicles as well as other demanding applications.

EMCORE has successfully completed a comprehensive Design Verification Testing (DVT) regimen over tough environmental conditions and has provided numerous proof-of-technology IMUs globally to defense contractor primes and aerospace customers seeking to upgrade their platforms and systems. EMCORE is now expanding production of the EN-300 with strict manufacturing process and quality controls in place to enhance on-time delivery and specification compliance.

"Given the strong market interest and demand, we are extremely pleased to announce the production ramp-up and broad availability for purchase of the EN-300," said David Hoyh, EMCORE's Director of Sales & Marketing for navigation products. "EMCORE's vertical integration creates unique capabilities that enable us to deliver the higher level of performance demanded by the market, coupled with greater precision and lower cost to further benefit our customers," added Mr. Hoyh.

The EN-300 precision FOG IMU is a three-axis, closed-loop design using the Company's proprietary, solid-state FOG transceiver with advanced integrated optics, offering improved reliability and lower cost than legacy IMUs. It can be ordered with performance options tailored to specific customer requirements. The COTS (Commercial Off-The-Shelf) EN-300-3 model achieves bias in-run stability as low as 0.04 degree/hr with ARW (Angle Random Walk) of 0.015 degree/rt-hr. The non-ITAR EN-300 is superior in performance to older generation such as the closed-loop LN-200 IMU or open-loop KVH 1750 series IMU units that have higher bias over temperature drift.

For further information and specifications on EMCORE IMU products and our complete navigation product line, call +1 866-234-4976; e-mail: navigation-sales@emcore.com; or visit us on the web: www.emcore.com/nav.

About EMCORE

EMCORE Corporation is a leading provider of advanced mixed-signal products that serve the aerospace & defense and broadband communications markets. Our best-in-class components and systems support a broad array of applications including navigation and inertial sensing, defense optoelectronics, broadband transport, 5G wireless infrastructure, optical sensing, and cloud data centers. We leverage industry-leading Quartz MEMS, Lithium Niobate and Indium Phosphide chip-level technology to deliver state-of-the-art component and system-level products across our end-market applications. EMCORE has vertically-integrated manufacturing capability at its wafer fabrication facility in Alhambra, CA, and Quartz MEMS manufacturing facility in Concord, CA. Our manufacturing facilities maintain ISO 9001 quality management certification, and we are AS9100 aerospace quality certified at our facility in Concord. For further information about EMCORE, please 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 EMCORE's plans, strategies, business prospects, growth opportunities, changes, and trends in our business and expansion into new markets. These forward-looking statements are based on management's current expectations, estimates, forecasts, and projections about EMCORE 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, including without limitation, the following: (a) uncertainties regarding the effects of the COVID-19 pandemic and the impact of measures intended to reduce its spread on our business and operations, which is evolving and beyond our control; (b) the rapidly evolving markets for EMCORE's products and uncertainty regarding the development of these markets; (c) EMCORE's historical dependence on sales to a limited number of customers and fluctuations in the mix of products and customers in any period; (d) delays and other difficulties in commercializing new products; (e) the failure of new products: (i) to perform as expected without material defects, (ii) to be manufactured at acceptable volumes, yields, and cost, (iii) to be qualified and accepted by our customers, and (iv) to successfully compete with products offered by our competitors; (f) uncertainties concerning the availability and cost of commodity materials and specialized product components that we do not make internally; (g) actions by competitors; and (h) other risks and uncertainties discussed under Item 1A - Risk Factors in our Annual Report on Form 10-K for the fiscal year ended September 30, 2019, as updated by our subsequent periodic reports. Forward-looking statements contained in this press release are made only as of the date hereof, and EMCORE undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

Contact:

EMCORE Corporation

David Hoyh
Director, Sales & Marketing
(925) 979-4503
David_Hoyh@emcore.com

Investor

Tom Minichiello
Chief Financial Officer

(626) 293-3400

investor@emcore.com

Media

Joel Counter

Director, Corporate & Marketing Communications

(626) 999-7017

media@emcore.com

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