



MostaTech to Present Rugged Miniature FOG Sensors at Eurosatory 2026

*Mosta, Malta (EU), May 14, 2026 - MostaTech, a leading manufacturer of miniature fiber optic gyroscopes (FOGs) and FOG-based inertial measurement units (FOG IMUs), will showcase its latest rugged inertial sensing solutions at Eurosatory 2026, taking place in Paris, France on June 15-19. Visitors can meet the team at **Stand DE111, Hall 5B** to explore compact, high-performance sensors engineered for operation in harsh environments.*

At the exhibition, MostaTech will highlight a range of highly durable single-axis fiber optic gyroscopes designed to maintain accuracy under extreme mechanical stress. The VG2103S and VG1703 are compact, robust solutions capable of withstanding shocks up to 3000g and vibrations up to 30g RMS, while their extended-temperature variants support operation from -60°C to +125°C. The VG2103S delivers low noise performance with angular random walk (ARW) of $0.03^\circ/\sqrt{h}$, while the VG1703 achieves higher precision with ARW as low as $0.008^\circ/\sqrt{h}$. For applications exposed to strong magnetic interference, the VG1703 can be equipped with an optional magnetic shield to ensure stable and reliable operation.

Built on more than 35 years of field-proven fiber optic technology, MostaTech's gyroscopes are engineered for dependable short-term navigation and stabilization in demanding environments. The VG2103S and VG1703 extend the legacy of the VG910 series, which will also be on display, offering proven durability and consistent low-noise output.

VG2103S-3000: Compact (60×60×17 mm) fiber optic gyro with 3000g shock resistance, 18g vibration endurance, and $0.03^\circ/\sqrt{h}$ ARW

VG1703: Ultra-compact (Ø40×19 mm, 35 gr gyroscope with 3000g shock resistance, 30g vibration endurance, and $0.008^\circ/\sqrt{h}$ ARW

VG910H1: Rugged gyro with 1200 g shock resistance, 30 g vibration endurance, and $0.015^\circ/\sqrt{h}$ ARW

MostaTech will also present its low SWaP three-axis fiber optic gyroscopes for precise multi-axis motion sensing, alongside the VG221 - the world's smallest fiber optic gyro (Ø33×12 mm, 25 gr) with ultra-low power consumption of 0.3 W.

MostaTech's inertial sensors are developed as low SWaP (size, weight, and power), cost-effective, non-ITAR solutions for integration into a wide range of platforms. Typical applications include inertial navigation systems (INS) for UAVs, UUVs, USVs, and ROVs, as well as gimbal and platform stabilization systems requiring reliable performance in dynamic and high-shock conditions.

Visitors to Eurosatory 2026 are invited to Stand DE111, Hall 5B to learn more MostaTech's rugged, miniature fiber optic gyros and FOG-based systems.

MostaTech is a leading manufacturer of fiber optic gyroscopes (FOGs) and FOG-based inertial measurement units (FOG IMUs) producing inertial products in Malta (EU) since 2008. For more information, please visit <https://mostatech.mt/>