

## **Xsens Showcases High-Accuracy Inertial Sensors for Agricultural Autonomy at FIRA 2025**

Xsens, a global leader in inertial sensor technology, will highlight its portfolio of high-accuracy motion sensing solutions at **FIRA 2025**, the world's leading event for agricultural robotics and autonomy. With decades of proven performance across mobility and robotics, Xsens sensors are now helping OEMs and integrators unlock true autonomy in the field.

Agricultural vehicles face unique challenges: GPS signals can be degraded by tall crops, orchards, or rolling terrain, compromising navigation and safety. Xsens sensors bridge this gap by delivering continuous, reliable motion data; ensuring tractors, sprayers, and harvesters maintain high-accuracy positioning even when GPS is unavailable.

At FIRA, Xsens will showcase:

- **Xsens MTi 1-Series:** Ultra-compact (12×12 mm) SMD modules for space-constrained designs, ideal for small robots and lightweight implements.
- **Xsens MTi 600-Series:** our most popular and versatile sensor modules, offering outstanding price-to-performance and available in both OEM and Rugged housings.
- **Xsens Avior:** a premium OEM module with low SWaP-C, designed for deep system integration and robust data in high-dynamic environments.
- **Xsens Sirius:** a ruggedized module (MIL-STD, IP68) built to withstand harsh agricultural conditions such as dust, vibration, and uneven terrain.
- **Xsens Vision Navigator:** a next-generation solution combining dual RTK GNSS, inertial sensing, and visual-inertial odometry, enabling navigation in orchards, vineyards, and canopy-covered fields where GPS alone falls short.

“True agricultural autonomy requires more than GPS,” said Stephen Grantham, Sr. Account Executive at Xsens. “Xsens sensors provide the high-accuracy inertial data that ensures farming vehicles can keep operating with precision, no matter the conditions.”

Xsens will also deliver a presentation at FIRA 2025 about the role of inertial sensors in unlocking true agricultural autonomy. For more information on Xsens sensor modules for agricultural autonomy, visit [www.xsens.com](http://www.xsens.com)

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