



GUSS Automation, a wholly owned John Deere Subsidiary, Plans to Advance Precision Autonomy in High-Value Crops with Ouster's Next-Generation REV8 Digital Lidar

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Unlocking Precision and Safety in Autonomous Agriculture: GUSS Plans Deployment of Rev8 to Revolutionize Orchard Operations

SAN FRANCISCO--(BUSINESS WIRE)--Aug. 26, 2026-- [Ouster, Inc.](#) (Nasdaq: OUST) ("Ouster" or the "Company"), a leader in sensing and perception for Physical AI, today announced that GUSS Automation, a wholly owned John Deere Subsidiary and a pioneer in autonomous high-value crop operations, plans to incorporate Ouster's Rev8 OS0 native color digital lidar sensors, powered by the breakthrough L4 Ouster Silicon, into the next generation of its Autonomous Orchard Machine Fleet. The integration is expected to further expand machine capabilities while underscoring the role of advanced sensing technologies in helping autonomous agricultural machines operate in complex outdoor environments.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20260826062948/en/>



Ouster OS0 digital lidar on a fleet of GUSS Autonomous Sprayers

Building on Ouster's recent momentum in industrial robotics, GUSS is embedding Ouster and other enterprise-grade capabilities into agricultural duty cycles.

High-value crop environments introduce significant navigation challenges, as traditional GPS systems often lack the centimeter-level precision necessary to safely navigate dense orchards and vineyards.

Through a planned integration of Ouster's Rev8 OS0 digital lidar, GUSS is addressing these complexities with additional perception capabilities for autonomous operations. Ouster technology equips driverless sprayers with an ultra-wide field of view, enabling them to map tree trunks, crop rows, and ground contours with a high level of detail. These autonomous vehicles also benefit from the dense 3D point cloud data Ouster lidar delivers, allowing them to support navigation and obstacle detection across a range of outdoor operating conditions, including varying lighting environments.

"At GUSS, we are focused on developing autonomous solutions that help growers address the unique challenges of high-value crop production," said Jason Brantley, Vice President, Production Systems, Small Ag & Turf at John Deere. "Integrating advanced sensing technologies into our machines helps support reliable operation in complex orchard environments and provides growers with tools designed to improve productivity and operational flexibility."

Ouster's Rev8 architecture delivers a unique combination of highly accurate, dense 3D depth data, high dynamic range native color, and extreme structural ruggedness. Engineered to meet the rigorous demands of production deployments in unstructured settings, the Rev8 platform brings enhanced environmental resilience to the field.

With the planned Rev8 integration, Ouster native color lidar sensors will provide additional sensing capabilities in challenging orchard environments, including dust, spray, and dense vegetation. This level of reliable sensing allows a single operator to monitor up to eight autonomous machines simultaneously from a laptop, providing complete control of spraying job outcomes executed by Orchard GUSS and Mini GUSS machines in a wide range of permanent crops. Spraying is just the first application: the same lidar-powered autonomy approach can be leveraged by other orchard and vineyard operations.

"John Deere's decision to integrate Ouster's Rev8 digital lidar technology represents an important milestone for the future of American agriculture," said Ouster CEO Angus Pacala. "As GUSS leverages Ouster's digital lidar in its autonomous fleet, we are empowering growers to achieve new levels of precision and efficiency. This announcement is about more than technology. It is about scaling reliable solutions that make agricultural operations more resilient and sustainable."

Rev8 is the most rugged sensor family Ouster has ever built, providing a validated path to production scale that eliminates the compromises traditionally associated with operating complex robotics in heavy-duty outdoor environments.

About Ouster

Ouster (Nasdaq: OUST) is a leader in sensing and perception for Physical AI across industrial, robotics, automotive, and smart infrastructure. With a unified platform of high-performance digital lidar, cameras, AI compute, sensor fusion and perception software, and AI models, Ouster delivers solutions that improve quality of life in the physical world. Headquartered in San Francisco, CA, Ouster has a global presence serving thousands of customers with offices in the Americas, Europe, and Asia-Pacific. For more information about our products, visit www.ouster.com, contact our [sales team](#), or connect with us on [X](#) or [LinkedIn](#).

About GUSS Automation

GUSS Automation, based in Kingsburg, California, is the pioneer that built the world's first autonomous orchard sprayer. Now a John Deere company, GUSS anchors Deere's High-Value Crop autonomy portfolio for orchards and vineyards. Its driverless Autonomous Orchard Machines are sold and supported through the John Deere dealer network, delivering season-after-season uptime and advanced efficiency to growers worldwide.

About Deere & Company

It doesn't matter if you've never driven a tractor, mowed a lawn, or operated a dozer. With John Deere's role in helping produce food, fiber, fuel, and infrastructure, we work for every single person on the planet. It all started nearly 200 years ago with a steel plow. Today, John Deere drives innovation in agriculture, construction, forestry, turf, power systems, and more.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. The Company intends such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements are based upon current plans, estimates and expectations of management that are subject to various risks and uncertainties that could cause actual results to differ materially from such statements. The inclusion of forward-looking statements should not be regarded as a representation that such plans, estimates and expectations will be achieved. Words such as "anticipate," "expect," "project," "intend," "believe," "may," "will," "should," "plan," "could," "continue," "target," "contemplate," "estimate," "forecast," "guidance," "predict," "possible," "potential," "pursue," "likely," and the negative of these terms and similar expressions are intended to identify forward-looking statements, though not all forward-looking statements use these words or expressions. All statements, other than statements of historical fact, including statements regarding the capabilities of Ouster's product offerings; uses for Physical AI; the anticipated performance, benefits to and expectations around customer adoption and application of our product offerings; and Ouster's competitive position all constitute forward-looking statements. All forward-looking statements are subject to risks and uncertainties that may cause actual results to differ materially from those that we expected, including, but not limited to, product quality and liability risks; the possibility of cancellation or postponement of contracts or unsuccessful implementations; risks related to the adoption of our products and the growth of the lidar market generally; risks related to the use of AI tools by us and others, including risks related to product performance, cybersecurity, and data privacy; Ouster's ability to adequately protect and enforce its intellectual property rights; legal and regulatory risks; and other important factors discussed in the Company's Annual Report on Form 10-K for the year ended December 31, 2025, and as may be further updated from time to time in the Company's Quarterly Reports on Form 10-Q and other filings with the SEC. Readers are urged to consider these factors carefully and in the totality of the circumstances when evaluating these forward-looking statements, and not to place undue reliance on any of them. Any such forward-looking statements represent management's reasonable estimates and beliefs as of the date of this press release. While Ouster may elect to update such forward-looking statements at some point in the future, it disclaims any obligation to do so, other than as may be required by law, even if subsequent events cause its views to change.

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