

**For Immediate Release**



## **AutoFarm<sup>®</sup> Announces: New RTK AutoSteer System**

*The premier open-standard steering solution delivering interoperability  
with other precision farming applications*

**Menlo Park, Calif., February 8, 2005** – AutoFarm<sup>®</sup>, the leader in sub-inch accurate, repeatable hands-free steering solutions for farm machinery, introduces the *AutoFarm RTK AutoSteer System 2005*.

“AutoFarm RTK AutoSteer is the result of listening to customer requests along with our corporate goal of providing leading-edge GPS technology that operates across all brands of equipment and is the most flexible and easiest-to-use. We are also committed to continue to provide the sub-inch, repeatable accuracy that makes AutoFarm the premier provider of hands-free steering solutions,” says Deane Malott, AutoFarm director of marketing.

AutoFarm RTK AutoSteer is engineered for interoperability that allows seamless integration with any brand and model of tractor, sprayer or harvester. In addition to RTK GPS, the most precise GPS available, AutoFarm adds an ISO standards based architecture that expands the compatibility with other equipment manufacturers’ CAN bus systems to provide unlimited expandability. The new standards support means that the AutoFarm system can host other applications and it can be deployed on other manufacturer’s monitors.

AutoFarm RTK AutoSteer components are all-weather and designed for compact portability, simple set-up, and easy switching between machines to take sub-inch repeatability across vehicle fleets.

“AutoFarm’s accuracy and repeatability helped us reduce our costs over \$50 per acre. Across 10,000 acres, that is more than \$500,000 per year,” says Ellis Moore, a grower in the Texas panhandle. The precision control of RTK AutoSteer allowed Moore to adopt more efficient practices such as strip tilling in circles for his pivot-irrigated fields. The easy-to-use system also allows him to run a relatively small operation of four hands. “Our mechanic had never operated a tractor in the field in his life. Within two hours he was able to operate the vehicle as well as our seasoned hands.”

The exclusive AutoFarm Logic7D™ control system delivers the repeatable sub-inch accuracy and control that makes AutoFarm the leader in RTK GPS steering solutions. The Logic7D control system processes real-time position (X,Y,Z) and orientation (roll, pitch

**AutoFarm**

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and yaw), enabling AutoFarm to perform in the most challenging conditions, season after season, year after year.

The key components of AutoFarm RTK AutoSteer system include:

### ***TOUCHSCREEN TERMINAL***

The new all weather 10.4” intuitive color touchscreen is designed for full daylight visibility utilizing a transfective screen that makes it easy on the eyes. The large screen allows the operator to observe hands-free steering operations from a bird’s eye view in real time. It’s as easy to use as an ATM, with a user-customizable multilingual interface.

### ***ROOF MODULE***

The multi-antenna roof module, with factory-calibrated receiver, works with the Logic7D control system to provide superior vehicle control in real-world conditions. One person can easily remove or install the antenna/controller array without special tools. The new release includes built-in carrying handle for added convenience.

### ***BASE STATION***

The new base station is tripod or single-pole mounted. It provides the performance and range advantages of a fixed base station while maintaining the flexibility of a portable unit. The streamlined and integrated components ensure easy set-up in minutes to deliver sub-inch accuracy and repeatability to any field.

Whether tilling, planting, cultivating, spraying or harvesting, AutoFarm RTK AutoSteer allows operators to skip or avoid wet spots, on any terrain or in any pattern, and then return later to fill-in or complete the job with sub-inch accuracy. AutoFarm also offers Curve Path and AB Path modules that allow growers the flexibility to create arbitrary, repeatable curved paths on irregular shaped fields, terraces, creek bottoms, waterways, or circles.

AutoFarm, a Novariant Company, is the premier solutions provider for precision positioning, intelligent control systems and positioning infrastructures. AutoFarm manufactures and markets Global Positioning System (GPS) receivers and precision agriculture solutions for automatic steering and leveling based on its experience in advanced aviation landing systems. AutoFarm can be found on the web at [www.gpsfarm.com](http://www.gpsfarm.com) or reached at 1-866-4-AUTOFARM (1-866-428-8632).

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## About Novariant, Inc.

Novariant is the premier industrial solutions provider for precision positioning, intelligent control systems and positioning infrastructures. Our precision solutions are enabled by the Global Positioning System (GPS) and other patented location and communications-based technologies to automatically steer equipment, map terrain, and land aircraft. Founded in 1994, Novariant (formerly named IntegriNautics) can be found at [www.novariant.com](http://www.novariant.com).

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