

Reliability and Convenience Designed for Your Equipment



System Transfers to Other Machines in Minutes with No Tools



Patented Roof Module

AutoFarm Precision Products

AUTOFARM RTK AUTOSTEER

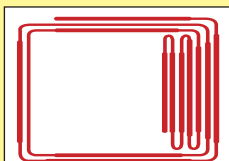
With unmatched repeatability and sub-inch accuracy across various brands and models, AutoFarm RTK AutoSteer is the industry leader in sub-inch precision machine control.

AUTOFARM DGPS AUTOSTEER

AutoFarm DGPS is the entry level steering system to get you started in broadacre operations with 4" pass-to-pass accuracy. It is easily upgradeable to sub-inch accurate RTK in the future as your operation warrants.

CURVE PATH MODULE AND AB PATH MODULE

This powerful software allows you to create your own arbitrary, repeatable curved paths on irregular shaped fields, terraces, creek bottoms, waterways, circles or whatever your situation. Easily work around wet spots on any terrain and in any pattern, then later finish the field with precision sub-inch accuracy.



Headlands/Spirals



Curve and AB Path



Contours

DATALOGGER

DataLogger software lets you record field topographical information. Save money by doing your own field survey during regular field operations, creating your own topography maps to assist in decisions on field grading, ditches, leveling and tiling.

AUTOFARM AUTOLEVEL

This RTK GPS solution offers the best performance available for grading and field leveling. AutoLevel accurately levels fields while automatically adjusting to the earth's curvature without the hassle of frequently repositioning laser towers. Unlike lasers AutoLevel works in dust, fog, heat, wind and darkness. With better than half-inch accuracy all the time, it's easy to see why AutoLevel is the leader in GPS precision leveling.

Unmatched Service and Technical Support

AutoFarm systems are designed and built for hassle-free operation and virtually no maintenance. Should you encounter any trouble whatsoever, your authorized AutoFarm dealer is ready with service and technical support.

Plus, AutoFarm factory-trained technicians are only a phone call away, 24/7 to help troubleshoot problems and answer questions.

Improve your productivity and profitability with precision machine controls from AutoFarm. See your local dealer, call 866-428-8632 or 650-644-1400 and visit gpsfarm.com, to learn more about the benefits of precision machine control.

Driving Farm Productivity.



1-866-428-8632
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www.gpsfarm.com



GPS AutoSteer

Delivering Precision Machine Control Solutions



AutoFarm: Creating Leading Innovations in Precision Machine Control



Improve Your Efficiencies in Tillage - Final Pass



Planting Without Marker Arms



No Skips and Overlaps



Full Header - 100% of the Time

The AutoFarm system was designed and developed specifically for precision machine control. It all started when our parent company, Novariant built a fully automatic system that repeatedly landed a United Airlines 737 completely hands-free.

We Land Jetliners Hands-Free. See what We can do with Your Farm Equipment.

By applying the exacting demands of aerospace technology to agriculture, AutoFarm is the only system designed from day one to deliver repeatable sub-inch accuracy for all your equipment –and maximize the productivity of every acre you farm.

Today, AutoFarm has the largest number of RTK (Real Time Kinematic) precision machine control systems installed worldwide. AutoFarm is the trusted leader in GPS (Global Positioning System) steering control technology and we continue to extend its use in practical applications.

Our expertise is 100% focused on creating the world's most accurate and versatile hands-free steering solutions for agricultural applications. We are brand neutral and not distracted by manufacturing farm machinery.

The AutoFarm vision is to offer growers a choice. Only AutoFarm offers you a single open-design steering solution to not only mix or change equipment brands, but the flexibility to select a system that seamlessly integrates with the best applications to suit your needs.

The exacting sub-inch accuracy of AutoFarm allows you the flexibility to finally entrust critical jobs, such as planting, to someone else and makes every operator your best operator. AutoFarm leads the way to perfect passes, enabling precision seed placement and pinpoint chemical and fertilizer applications.

New Innovations from AutoFarm Drive Farm Productivity.

AutoFarm RTK AutoSteer™ is a GPS precision machine control system. Its superior technology measures both position and orientation at every instant in time; providing spot-on repeatable vehicle control, season after season and year after year.

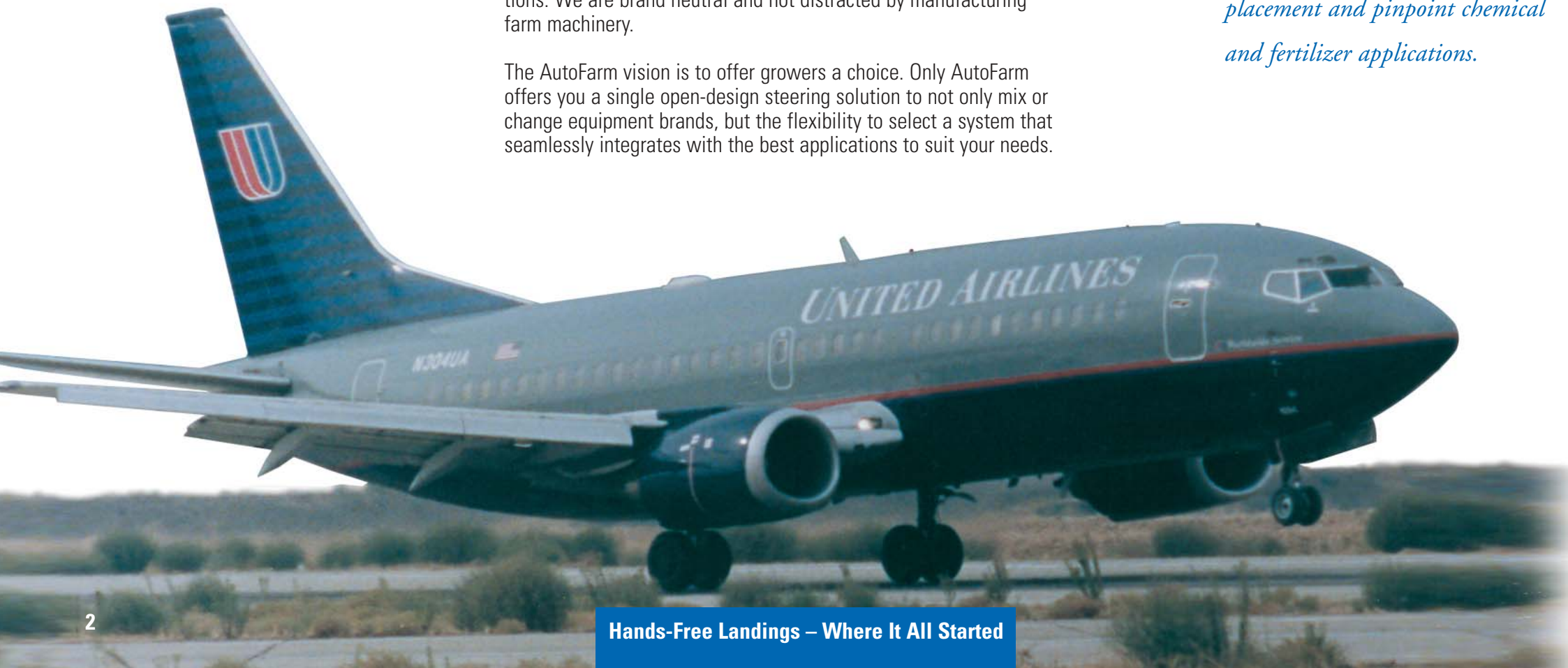
The exclusive and patented AutoFarm multi-antenna roof module and Logic7D™ technology are key to precise sub-inch vehicle and implement placement. Competitive single-antenna GPS steering systems use gyroscopes, accelerometers and various terrain compensation devices attempting to determine a vehicle's orientation. That means more calibration, more mechanical parts, more inaccuracies and ultimately, more things to go wrong.

Cover More Acres, More Efficiently from Day One.

AutoFarm RTK AutoSteer is **easy to learn and easy to use**. This makes every operator your best operator with minimal training.

AutoFarm **improves efficiency** by reducing overlap, allowing the operator to actively focus on the field operation without the distraction of steering. This also reduces operator stress and fatigue while improving quality of field work.

AutoFarm helps you **increase profits** from every acre you farm. Optimize your inputs from operator time and equipment hours to fuel, chemicals and fertilizer. Maximize yields through controlled traffic, reduced compaction and efficient use of your planting and harvesting window.



Improving Productivity All Season Long, Year After Year



Final Pass - Perfect Positioning



Improving Efficiencies in Row Crop Applications



Planting with No Hands - No Marker Arms - In Any Field



Reduce the Fatigue and Stress of Intense Steering

With AutoFarm at the wheel, growers tell us it's like having extra help right when they need it the most. AutoFarm RTK AutoSteer virtually gives you more hours in a day, by making all of the hours you work more productive.

Immediate Benefits of AutoFarm.

No matter what type of farming operation you have, AutoFarm makes your time more productive and your business more profitable.

Reduces stress and fatigue of intense steering.

That allows operators to focus on the task at hand. You can easily and safely work longer hours during peak seasonal field operations. With flawless repeatability and exacting accuracy, you can actually operate 24/7 if desired – in any weather, in fog, windy and dusty conditions, day and night.

Save time on line acquisition.

Unlike competitive systems, AutoFarm can be activated within 90° of the new line for smooth transition to hands-free operation. AutoFarm can even acquire the line in reverse.

Extend your growing season.

You can maximize both the planting and harvesting window by skipping passes and working around wet spots; then returning later to fill in with perfect passes.

Farm more acres with the same equipment set.

AutoFarm allows you to use your existing equipment more efficiently with increased field speed, no skips and overlaps, instant line acquisition and reduced stress and fatigue.

Technology that fits your fields.

AutoFarm provides standard field patterns: parallel rows; circles; box rows; and fan rows. Plus, the AutoFarm Curve Path Module lets you create custom patterns for terraces and contour farming, creek bottoms or irregular-shaped fields.

Minimize compaction, maximize yield.

Controlled traffic studies show that AutoFarm RTK AutoSteer helps boost yields by steering all your equipment over the same path.

Freedom from Steering – Focus on the Work at Hand on All Operations.

TILLAGE

Take the strain and fatigue out of tillage work by **eliminating skips and overlaps**. Work with sub-inch accuracy in any conditions, at higher speeds, with improved efficiency and productivity. AutoFarm delivers the enabling technology to **make strip-till fully practical and simple to accomplish**. With repeatable sub-inch accuracy, you can easily create and plant on the same strips year after year – even in heavy trash conditions.

PLANTING

AutoSteer lets you plant **perfect guess rows** with no marker arms...no hands...no matter the shape or contour of your field...it's like seeding your fields with one giant planter. It also allows you to mix implement widths and grow your business in stages.

Just the idea of **planting without marker arms** is a relief, and many AutoFarm customers are eliminating marker arms on new planters. That can save you from \$3,000 to \$12,000 – even as much as \$20,000 on the cost of some of today's big planters.

You'll create **perfect passes with consistent guess rows every time**. Easily skip passes and work around wet spots and field obstacles; and then come back, and fill in those passes with the sub-inch accuracy that only AutoFarm delivers. Not only does this improve yield potential and profitability, it helps you stay on schedule.

SPRAYING

An AutoFarm system can significantly **reduce chemical and fertilizer use** by minimizing skips and overlaps. When you don't have to keep your hands on the wheel and your eyes on the rows or foam marks, your attention is where it should be – on spraying.

HARVESTING

Great improvements in **harvesting efficiencies** are a common report from producers using AutoFarm RTK AutoSteer. You can easily straddle guess rows and maintain a full header 100% of the time. Staying on row and eliminating overlap lets you maximize combine efficiency and improve productivity.

Steering all Brands of Equipment with Unmatched Precision, All the Time, in Any Crop



Hands-Free to Focus on the Important Tasks at Hand



Creating the Straightest Rows with Flawless Repeatability



Multi-Antenna Roof Module



Final Pass - 100% Full Header

Accuracy and repeatability with AutoFarm RTK AutoSteer allows you to till in the fall, bed, plant, side dress, spray, then harvest, while confidently straddling the guess row with different widths of equipment and implements.

AutoFarm offers DGPS accuracy for broadcast applications. You can easily upgrade to AutoFarm RTK AutoSteer when you're ready for repeatable, sub-inch accuracy.

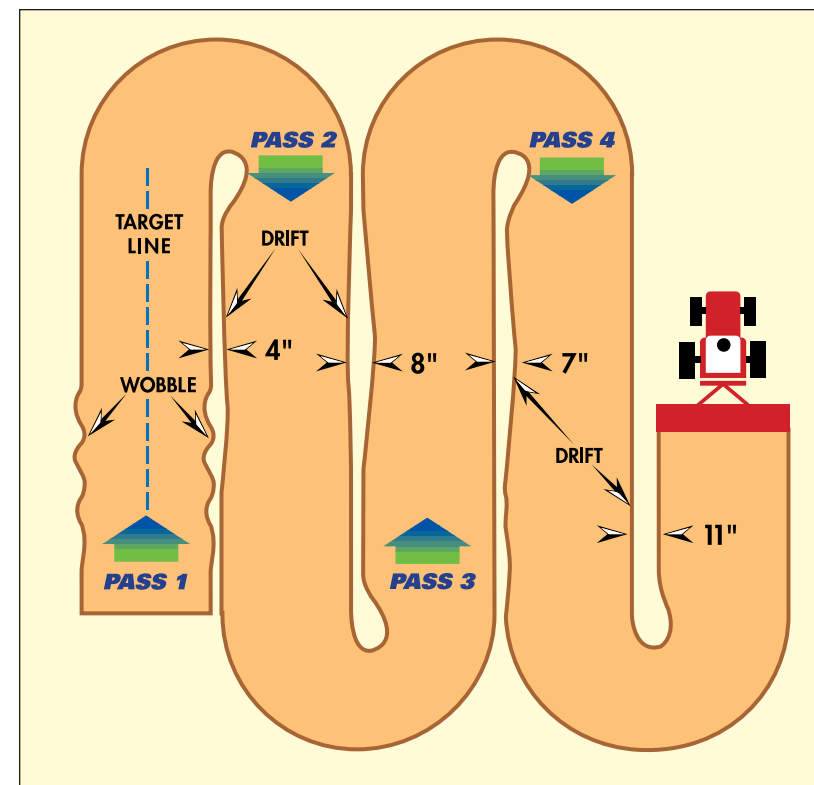
The more you need to do, the more you need AutoFarm RTK. Just consider the applications that fit RTK versus DGPS:

OPERATION	DGPS	RTK
Broadcast Tillage	X	X
Strip Till		X
Ridge Till		X
Pre-emergent Spraying	X	X
Broadcast Planting (Grain Drill)		X
Listing/Bedding Up		X
Row Crop Planting		X
Banding Fertilizer		X
Side Dressing		X
Cultivating		X
Post-emerge Spraying		X
Harvesting (Row Crops)		X
Harvesting (Small Grains)	X*	X

*DGPS is not able to perform skip passes.

The Myth of DGPS "Pass-to-Pass" Accuracy

It may not be what you expected, but DGPS 4" pass-to-pass really means that your margin of error can vary as much as 4" per pass. With that amount of wobble and drift, it's impossible to straddle the guess row and mix various implement widths between planting and harvesting. Unlike RTK, DGPS is not capable of accurately repeating the same path.



AutoFarm Supports the Broadest Range of Vehicles.

AutoFarm is the single solution for both new and existing equipment and seamlessly integrates across mixed fleets, makes and models. With AutoFarm RTK AutoSteer, you can standardize your GPS investment with one system, one base station and one steering database, as opposed to other proprietary systems restricted to a particular brand.

Customers tell us time and again that the AutoFarm system pays for itself in the first season. After that, AutoFarm RTK AutoSteer is just like the grower in the Midwest called it – a farmer's profit machine.

Modular Design for Fast and Easy Transfer

You can easily move your AutoFarm system for use in different tractors, sprayers and harvesters – even across brands. The touchscreen terminal is designed to fit neatly in any cab. The roof module features a quick release, so one person can easily transfer the entire system without tools in a matter of minutes.

Expandable Design for Your Future Needs

The AutoFarm system features a standards-based architecture built using Controller Area Network (CAN) bus technology that opens up a world of compatibility with other manufacturers' equipment. CAN bus is essentially a cable that distributes information between modular electronic components (user terminal, steering controllers, application rate devices, yield sensors, and other vehicle components). AutoFarm employs a unique dual CAN bus design to ensure that high priority control data reaches critical electronics without delay.

Advanced Technology in a Simple, Compact Package.

The superior technology of AutoFarm RTK AutoSteer is built into three basic components:

TOUCHSCREEN TERMINAL

The large, 10.4" color touchscreen terminal is designed for all-weather use, and has a high-contrast transreflective screen that is readable in direct sunlight and easy on the eyes. It's as easy to use as an ATM, and is multi-lingual for operator convenience.



ROOF MODULE

Multi-Antenna GPS

AutoFarm pioneered the use of multiple GPS antennas to measure not only position, but orientation of your equipment as well. The patented multi-antenna roof module delivers vital information to the control system required to correct for:

- roll (side to side rolling)
- pitch (up and over in cresting a ridge or hill)
- yaw (crabbing caused by implement drag or side hill operation)



Logic7D Control System

Exclusive Logic7D™ technology processes position and orientation to track latitude, longitude and elevation (position) plus roll, pitch and yaw (orientation), all in real time. Logic7D also offers unique adaptive control capabilities calibrated to the dynamics of your specific vehicle. Tuning profiles account for vehicle ballast, wheel spacing and different loads from varying implements. This ensures consistent control across a wide spectrum of implement loads from planting to deep ripping.

BASE STATION

The AutoFarm base station is the foundation of RTK accuracy across all brands and types of equipment. A single base station can control multiple vehicles simultaneously. Available in two convenient configurations: portable for fast and easy set-up or tower-mounted for extended range.

