

Incorporating Technology

AutoFarm Responds To Customers' Requests

Accuracy and control. Flexibility and ease-of-use. These are words often used to describe the needs of real farmers in real fields when it comes to the operating abilities of their equipment.

AutoFarm®, a Novariant Company, in an attempt to better meet the needs of farmers, recently introduced the

AutoFarm RTK AutoSteer System 2005. "[This piece of equipment] 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.

According to Ellis Moore, a grower in the Texas panhandle, "AutoFarm's accuracy and repeatability helped us

reduce our costs over \$50 per acre. Across 10,000 acres, that's more than \$500,000 per year." 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," says Moore. "Within two hours he was able to operate the vehicle as well as our seasoned hands."

AutoFarm's new system 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. This means that the AutoFarm system can host other applications and it can be deployed on other manufacturer's monitors.

The components of the system are all-weather and designed for compact portability, simple set-up, and easy switching between machines to take sub-inch repeatability across vehicle fleets.

The exclusive AutoFarm Logic7DTM control system delivers the repeatable sub-inch accuracy and control that makes AutoFarm the leader in RTK GPS steering solutions. The control system processes realtime position (X,Y,Z) and orientation (roll, pitch and yaw), enabling performance in the most challenging conditions, season after season, year after year.

The key components of the AutoFarm system include:

The KCI CPTM 4450 Continuous Paper Raisin Tray Machine

Ask for the KCI original large roll tray laying machine.

This machine will handle up to 44" wide by 50" diameter paper.



Hydraulic belt drive.

New

New

The KCI CPTM 4450 is capable of handling 50" diameter by up to 44" wide mill run paper, saving you the high cost of paying to have the paper rerolled into inconvenient 1/4 mile rolls. Growers will also save money when they cut paper in the field because they will not end up with all of the wasted tails of 1/4 mile paper rolls! This machine can be pulled by as small as a 40 to 50HP tractor. It comes with our exclusive 5th wheel type hitch assembly that allows it to turn from one row to the next with ease and lifts up at the end of rows on hydraulic cylinders.

Shown here is the KCI exclusive pentagon small roll dispenser so growers can use up their existing small rolls or the remaining ends of large rolls.



KCI
KINGSBURG CULTIVATOR, INC.
Manufacturer of Specialized Farm and Processing Equipment

KCI-Scheldt

"The Original Cane Cutter"

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The color touchscreen is designed for full daylight visibility.

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 also 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 multilingual interface that can be customized by the user.

Roof Module

The multi-antenna roof module, with a factory-calibrated receiver, works



The roof module works with the control system to provide superior vehicle control.

with the 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 a built-in carrying handle for added convenience.



The base station provides the performance and range advantages of a fixed base station.

Base Station

The new base station is tripod or singlepole 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 can be found on the web at www.gpsfarm.com. ■

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Deep Ripping 1, 2, or 3 shanks • 4 ft. Centers • Down to 60" • Slip Plowing DOZING, ORCHARD AND VINE REMOVAL

Competitive Rates... Your Job Is Our #1 Priority • A Strong Dependable Cat, We Will Do You Right!

The KCI CPPUM 44

Best in 2003 better in 2004



New
KCI exclusive hydraulic discharge chute auto kick-up.

Why burn your tray paper in the field when you can shred it?

New
KCI paper shredder.

The CPPUM 44 is built with the same quality and craftsmanship as our tray machine. It has oversized bearings throughout, stainless steel wear plates, top quality hydraulics, and our side discharge conveyor will reach center to center in 12' or less rows. Our pick up tines can be easily changed in the field in minutes and we offer many different spacing configurations. Both the tray machine and the pick up machine can be towed on the road by a large pickup at legal and safe speeds with ease!
There are no more v belts to clean and replace.



KCI has the widest pick-up belt and the narrowest wheel base to get closer to the vine berm.



Tight turns are a snap with the KCI exclusive 5th wheel type hitch. We are the only pick-up machine in the 2004 season with a paper shredder.



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