

GCS300/400 SYSTEMS WITH THE CB415 AND LASER RECEIVER OF YOUR CHOICE

A cost-effective automated machine control system that improves productivity and accuracy of agricultural drainage and leveling equipment by up to 50%.

THE GCS300/400 SYSTEM FEATURES

THE CB415 UNIVERSAL CONTROL box gives you single or dual control over your drainage and land leveling system, so it's easy to customize for your specific site requirements.

ONLY ONE CB415 CONTROL BOX is required to direct all your machine control systems no matter what scraper combination, keeping set up simple and saving you room in your tractor cab.

THE GCS300/400 SYSTEM HAS MULTIPLE ELEVATION SETUPS, allowing the operator to work with a number of elevations at the touch of a button.

WITH AUTOMATIC BRIGHTNESS AND CONTRAST CONTROL the LED screen of the CB415 Controller displays the following information:

- » multiple blade position icons give the operator immediate feedback on all running systems
- » simple alerts inform the operator if the system is in automatic or manual mode
- » sensor connectivity icons show the status of all sensors during operation
- » linked mode displays one elevation when operating two laser receivers in a dual sided application, reducing operator confusion.

THE SURVEY FUNCTIONS OF THE GCS300/400 SYSTEM WILL ASSIST with all field leveling projects from collecting topographic data to scraping and filling.

THE TIMED BLADE RAISE AND LOWER FUNCTION enables the operator to set cycle times when cutting large volumes of dirt.

THE SYSTEM IS SENSOR INDEPENDENT—with ISO 11783 CAN communications different modules can be connected to the system to work for individual jobsite demands.

DIRECT CONNECT

- The GCS300 system has ISO 11783 direct connect to the CAT MT 700 and 800 tractors therefore a hydraulic valve is not required, which keeps the system costs lower.
- The GCS300 system will “plug-and-play” into the following vehicle makes and models
 - » Case MX & STX
 - » John Deere 8000 & 9000
 - » New Holland TG & TJ
 - » CAT MT 700 & 800



UPGRADABLE

These components can be upgraded from the GCS21 system to operate with AgGCS300/400 systems

- LR21 – firmware upgrade
- SR21 – firmware and hardware upgrade
- EM21 – firmware and hardware upgrade

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SR300 SURVEY LASER RECEIVER

Simply set-up the whole system from the cab. The control box and the survey receiver automatically communicate and prepare for operation according to your requirements—a huge time saver.

The SR300 receiver has no moving parts, so no more repair costs. This is a true one time investment.

Because the SR300 receiver is a control and survey receiver it can be used to survey the field before the project starts and control the blade during earth moving.

The linear receiver gives efficient grade control and valve response which result in getting to grade quickly.

3 and 6 foot vertical detection range gives the operator very fast surveying capabilities that match their field requirements.

Multiple beam detection—when the job requires multiple lasers in the field the operator can simply toggle between lasers as the field requirements demand.

The lost beam indicator shows a simple up or down arrow so the operator can get back to beam quickly when moving in and out of beam due to rough cuts.



LR410 LASER RECEIVER

The linear receiver gives efficient grade control and valve response which result in getting to grade quickly.

A 9 inch vertical detection range gives the system a large laser reception range.

Set-up LEDs on the LR410 receiver guide the operator in the benching process to properly set the height of the manual mast—making this easy for one person to handle.

The lost beam indicator shows a simple up- or down-arrow so the operator can get back to beam quickly when moving in and out of beam due to rough cuts.

The rugged LR410 receiver is level 10 vibration profile, meeting the CAT highest calibration testing—so you can rely on it in all conditions.

