

TRIMBLE LASER AND MACHINE CONTROL SOLUTIONS FOR WATER MANAGEMENT

LASER TRANSMITTERS



GRADE CONTROL SYSTEMS



TRIMBLE LASER TRANSMITTERS

Optimize your use of one of nature's most precious resources and ensure that the water on your field is distributed evenly by leveling the field using a Spectra Precision® laser transmitter from Trimble. Trimble offers a wide variety of laser transmitters providing the farmer or water management contractor with options to fit any need and budget.

LASER TRANSMITTERS



*Spectra Precision
Laser AG401*



The Spectra Precision AG401 is Trimble's entry level laser transmitter. It is ideal for farmers with zero-grade fields who do not need to make grade adjustments. It is a self-leveling laser that can be used for automatic machine control at ranges up to 1300 feet (400 meters).

*Spectra Precision Laser
GL600 Series*



The Spectra Precision GL600 is a highly reliable laser transmitter series for users requiring the ability to set single or dual slopes in their field. Packed with features, the GL600 series is an ideal laser for field leveling applications using automatic machine control. Both the GL612 and GL622 can be used up to 1300 feet (400 meters).

*Spectra Precision Laser
GL700 Series*



The Spectra Precision GL700 is Trimble's most advanced laser transmitter series, offering unmatched accuracy and beam stability. Use the GL700 series for automatic machine control applications when a high level of accuracy—up to 1500 feet (450 meters)—and the capability to set single or dual slopes on your field are required.







Single slope only option		√ (GL612 only)	√
Dual slope option		√ (GL622 only)	√
Radio remote		√	
Precision compensation option			√
Mid range 1300 feet (~400m)	√	√	√
Long range 1500 feet (~450 m)			√
Self-leveling	√	√	√

TRIMBLE GRADE CONTROL SYSTEMS

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By adding automated grade control systems to your agricultural leveling or drainage equipment, you can improve your productivity and accuracy by up to 50%. Trimble provides a wide range of agricultural machine control systems to fit any application and budget. Get the most out of your water management practices by using one of the field-proven systems that make Trimble the world leader in automated machine control.



	<i>AG GCS100</i>	<i>AG GCS200</i>	<i>AG GCS300/400</i>
Control Box			
	<i>CB40</i>	<i>CB60</i>	<i>CB415</i>
Laser Receiver			
	<i>LR40</i>	<i>LR410</i>	<i>LR410 or SR300</i>
Mast	Rigid	Single electric or dual rigid	Single or dual electric or survey receiver
Description	<p>The AG GCS100 system is Trimble's most economical grade control system. The system is designed specifically for vehicles pulling scrapers, or drainage machines requiring connection with a PT valve. The key components of the AG GCS100 system are the CB40 control box and the LR40 laser receiver. The system delivers excellent performance in long-range applications with adverse environmental conditions, and operates with a single receiver on a rigid mast.</p>	<p>The AG GCS200 system is the newest grade control system in the Trimble Agriculture lineup. It is ideal for vehicles with PT valves requiring dual rigid mast control, or single electric mast control. The key components of the system are the CB60 control box and the LR410 laser receiver. The system includes a digital elevation display and can be used in both survey and control modes.</p>	<p>The AG GCS300 and the AG GCS400 systems are Trimble's most advanced grade control systems offering the greatest number of options to the farmer or water management contractor. The systems connect directly to almost all machine types, and also work with external control valves. They can be used for any application offering control, survey and indicate modes. The systems can be used with single or dual electric masts or survey receiver configurations. The systems are configured with the rugged CB415 control box and the choice of LR410 or SR300 laser receivers.</p>



Water Management Solutions from Trimble

Water is one of nature's most precious resources, and one that farmers worldwide must utilize effectively in order to meet the ever-increasing demand for food.

As much as 70% of the world's fresh water is used for agricultural purposes. Products like the Trimble lineup of laser and machine control solutions that can minimize water costs and efficiently distribute water by maintaining grade, are critical for water preservation.

Trimble has 45 years of experience in the water management business and our systems are proven to improve yields by 25%, and reduce water usage by 30%. Because Trimble knows every dollar—and every drop—counts.

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