

GCR – Grade Control Receiver



**ECONOMIC, STAND-ALONE LASER BASED
MACHINE CONTROL SYSTEM**

Better Accuracy On Your Jobsites. More Profits On

The Trimble Grade Control Receiver (GCR) is a versatile, cost-effective laser-based machine control system that can significantly improve the productivity and accuracy of grading equipment—by as much as 50% over conventional methods.

The GCR is the most simple and easy-to-use system available, combining proven photocell technology with advanced control electronics and features. It provides an immediate return on investment by enabling any operator with minimal training to get to grade fast, with outstanding accuracy. Like any Trimble machine control system, an independent grade-checker is not required, cutting costs by eliminating communication errors, re-work, and idle machine time.

The GCR's self-contained stand-alone design allows it to function as a visible display system with rotating lasers. But for the most dramatic increase in productivity and accuracy, go straight to full automatic control with the addition of a hydraulic control valve to your machine. The valve control capability is built into the GCR, enabling it to provide complete proportional control

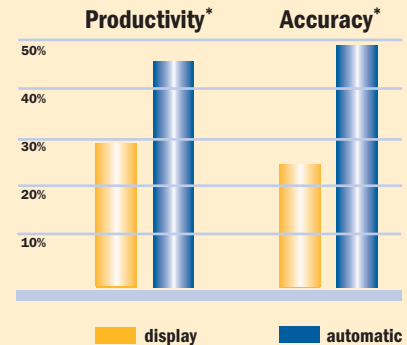
relative to the laser reference. The unique in-cab speed control knob allows you to adjust the hydraulic system to match your ground speed and material type without leaving the cab or slowing down. This dual capability enables you to rough grade using the system as a display unit, then switch to full automatic for fine grading.

You get the control you need with the flexibility you want

The simple remote switch provides complete control with Off/On/Automatic and Speed adjustment without a bulky external control box obstructing the view. Quick installation and the stand-alone design allows you to easily transfer the unit from machine to machine to maximize your investment.

The Trimble advantage at work

The following graphs* show the advantages of laser grade display and full automatic systems compared to conventional construction methods.



*Findings observed by U.S. Army Mobility Technology Center are in comparison to conventional grading methods.

Ideal for a variety of rigid or manual mast applications including dozers, drag boxes or scrapers, trenchers, skid steer attachments, and small motorgraders.



Your Bottom Line.

Simplicity for superior productivity

The GCR is the simplest way to put all the advantages of automated machine control to work on your jobs. The stand-alone design combined with advanced features enables you to achieve maximum accuracy and productivity from your machines and crew.

- Stand-alone receiver with internal valve drivers
- Bright and easy to see grade display
- Green “On Grade” indicator
- Status indicators and built-in switch panel help step you through the simple hydraulic calibration procedure
- Adjust hydraulic system performance from your seat with the speed control knob
- Cab space remains open with the simple user interface, no bulky control box is required
- Daily setup requires only a single cable attachment, and your GCR is protected when not in use by a rugged carrying case



The GCR full automatic package includes everything you need to increase your productivity up to 50%.



The GCR works with rotating lasers to eliminate grade-checkers, communication errors, re-work, and idle machine time.

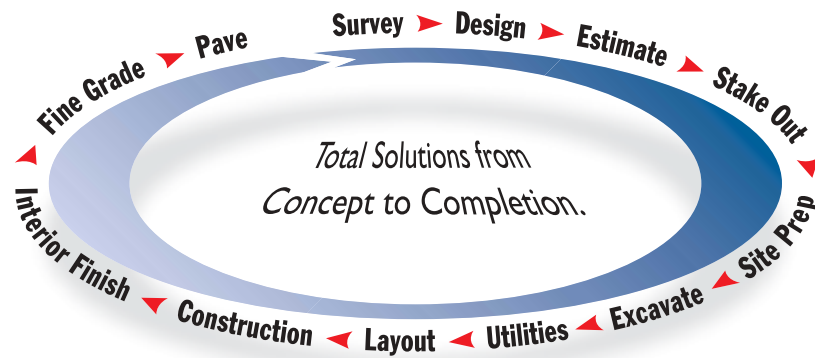
	GCR-1	GCR-1SM	GCR-2	GCR-2SM
P.T. Valve Control (solenoid type)	●	●	●	●
Proportional Valve Control			●	●
Shock Mount		●		●

NOTE: Your Trimble representative can recommend the valve type and electrical kit that is correct for your machine and application as well as provide information on a range of lasers and rigid or manual masts to complete your system requirements.

Total Solutions from Trimble

The construction industry is more demanding and competitive than ever before. Trimble, by combining with Spectra Precision, the pioneer of the machine control industry, helps you improve your process and productivity with the most complete range of earthmoving and grade control solutions. Trimble's innovative solutions are based on decades of construction industry experience in positioning technologies including laser, total station and GPS with control systems, wireless communications, and software. All this results in a line of rugged, field-proven products—from practical solutions for the general contractor to the most sophisticated machine control systems.

Streamline your process, minimize downtime, lower costs and boost profitability with Trimble, the world leader in construction solutions. Every Trimble purchase is supported by the industry's largest global service and support system, with partners who understand the technology, the applications and your business needs. From concept to completion, Trimble positions you for success.



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