

GRADE LASERS

GL422N GRADE LASER

- Rugged and cost-effective laser for leveling and grading, or jobs that require vertical alignment
- Even in harsh jobsite conditions it provides a consistent and accurate performance
- Fully weather- and dustproof
- Includes a CR700-HH Receiver – can be either rod or machine mounted, enabling a wide range of applications to be carried out with extreme accuracy.

GL722 GRADE LASER

- Higher accuracy with additional features
- Long range operation, advanced radio remote
- Grade Match mode – allows the transmitter to automatically match and display the grade of a distant point, without the operator returning to the transmitter
- Automatic Axis alignment simplifies setup and ensures accuracy
- Planelok – virtually eliminate beam drift by locking the laser beam to a fixed elevation regardless of wind or temperature changes
- Fully sealed, rugged aluminum housing with a weather resistant control panel allowing to work in all weather conditions
- Flexible power options, battery life indicator and a wireless operated sleep mode that saves battery during breaks

BLR2 LASER RECEIVER

- Use it solo on the Bobcat box blade, or paired up when attached to a grader for the perfect finish
- Possible to pair with a deluxe panel for full control of laser positioning
- Provides smoother corrections (less chatter)
- Easier mounting/dismounting
- Increment/decrement feature with SJC machines



3D GRADING SYSTEMS

WHAT KIND OF GRADING SYSTEM DO YOU NEED?

A 3D grader might be able to tackle more jobs than the 2D version, but it is also a bigger investment with additional infrastructure needed (people, engineering design, base stations).

The 3D system enables its operator to work in any environment with a flexible system either based on GNSS or UTS signals.

After uploading the design plan into the loader, it enables its operator to create a perfect surface in a single pass, thus reducing fuel and labour costs.

However, for simple grading the 2D Grade control system might just be the perfect solution for you. It comes with a smaller investment, and shorter learning curve. Can grade flats and slopes, still leaving the possibility to expand later onto the 3D system, in order to achieve greater versatility.

PLEASE CONTACT YOUR BOBCAT DEALER TO FIND OUT THE BEST SOLUTION FOR YOUR REQUIREMENTS.





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LR50 LASER DISPLAY RECEIVER

- Designed to be used as a stand-alone display receiver on grading and excavating equipment
- Built-in blade tilt indicator helps the operators keep the blade level for increased accuracy and productivity
- Rugged and waterproof, 360-degree
- Built-in plumb indicator for fast, accurate grade checking for excavators and backhoes
- Three selectable accuracies meet job tolerances from rough grading to final finishing for maximum flexibility



BOBCAT DEPTH CHECK SYSTEM



This simple, durable kit is wired, so job conditions or wireless signal loss never interfere with your digging accuracy, while also reducing lag time with no batteries to replace.

The depth check system is a solution that uses three sensors placed strategically on the machine to accurately achieve or sustain the desired grade depth from the cabin.

The depth check system integrates with the Bobcat panels and displays, which offers simple operation and eliminates the need for an add-on display monitor inside the excavator cab.



MAIN BENEFITS OF THE SYSTEM

► INCREASED PRODUCTIVITY

Depth check can expedite trenching, reduce labor, and improve the quality of the excavation. It will help operators dig quicker, with less effort, and greater precision. Minimize the need for jumping in and out of the trench to check the grade, with a grade stick.

► VISIBILITY & COMMUNICATION

Being able to analyze the digging depth and preciseness directly from the panel allows for increased visibility of the grading. It avoids the need to do a manual check with a tape measure or a "stick receiver". Perform tasks such as minimal cover jobs, or grade and slope sustention.

► EASE OF USE

After installing this improved system, compatible with E32–E88 excavators, on the machine, the operator can set the required settings to his preferences, for a more efficient grading job. The settings allow the operator to easily monitor the actions of the machine's arm, boom, and bucket.

RECOMMENDED APPLICATION EXAMPLES



► LANDSCAPING

Perform tasks alone, that usually require manual checking – digging basements or pools, or site preparation for a terrace. Saving trips in and out of the cab will increase your time efficiency, allowing operator to get the job done faster.



► AGRICULTURE

Place drainage ditches and drain fields with increased efficiency. The wired system allows the operator to maintain the grade, and not worry about over- or under digging. Aids to analyse the depth and precision of the grade.



► CONSTRUCTION

You can easily trench utility lines, install sewer lines, and do site preparation for footings or pads from the comfort of your cab.

PRODUCT FEATURES

- Uses sensors to communicate with the customer's machine panel to track the bucket's teeth.
- The system allows the operator to analyze the depth and precision of their grade.
- The three sensors on the arm, boom, and the attachment, aids to monitor and control the digging operation as well as detect the desired digging depth against the benchmark.
- Integrated instrumental panel displays current and desired depths.
- Audible digging depth indication – slow chirping when approaching the target, constant chirp at target, fast chirping when beyond target.
- Wired system reduces lag time with no batteries to replace, no interference affecting digging accuracy no matter the working conditions.
- Compatible with the Laser Receiver for additional precision.



The Bobcat Depth Check System kit contains:

- 3 sensors with installation instructions.
- Controller.
- Harnesses, and harness for controller.
- Calibration rods.
- Mounting hardware and installation instructions.



GL422N Laser Transmitter



CR600 Receiver



Bobcat BLR2 Receiver

▶ LASER OPTIONS

Laser options are available for additional precision. Both laser receivers CR600 and Bobcat BLR2 are compatible with the Depth Check kit. Laser receiver CR600 offers a cost-free solution (included in 7275232 kit) with quick installation thanks to its integrated magnetic mount, with a minimal 'dead-band' and without arm angle control. Bobcat BLR2 laser receiver will however offer additional functionality, with maximal 'dead-band', depth check integrated and an arm angle check.

OPTION A	7275232	Laser transmitter, GL422N includes CR600 / CR700 receiver
	6688806	Tripod for laser transmitter
OPTION B	7275232	Laser transmitter, GL422N includes CR600 / CR700 receiver
	6688806	Tripod for laser transmitter
	7160486	BLR2 laser receiver
	7246898**	Depth Check BLR2 Laser Mounting Kit (incl. magnetic mount, clamp & T-harness)

** To be ordered through Bobcat Parts

▶ MACHINES COMPATIBILITY

		SHORT ARM & STD. BLADE	SHORT ARM & ANGLE BLADE	LONG ARM & STD. BLADE	LONG ARM & ANGLE BLADE
M-Series	E32	7246895	7246894	7246893	7246892
	E35	7246895	7246894	7246893	7246892
	E45	7246895	7246894	7246893	7246892
	E50	7246895	7246894	7246893	7246892
	E55	-	-	7246893	7246892
R-Series	E34	7246895	-	7246893	-
	E35z	7246895	-	7246893	-
R2-Series	E50z	-	-	7380853 (without AUX4)	7380855 (with AUX4)
	E55z	7380857 (without AUX4)	7380859 (angle blade or AUX4)	7380853 (without AUX4)	7380855 (angle blade or AUX4)
	E60	7380857 (without AUX4 & without fuel transfer pump)	7380859 (angle blade and/or AUX4 and/or fuel transfer pump)	7380853 (without AUX4 & without fuel transfer pump)	7380855 (angle blade and/or AUX4 and/or fuel transfer pump)
	E85	-	-	7426103 (without controller)	-

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