

# General Overview: AccuGrade® for Backhoe Loaders

Simplifying excavation and improving efficiency by allowing you to excavate with accuracy and control.

## Advantages

Current trenching and excavating processes are labor intensive, dependent on manpower and instruments. Maintaining consistent grade is challenging, even for experienced operators. AccuGrade for Backhoe Loaders reduces labor requirements, aids operators in maintaining a consistent grade and slope across the worksite and reduces material costs.

## Applications

The AccuGrade system is designed for a wide range of construction applications. Whether digging footings, excavating around obstacles such as pipes or grading banks and trenches, the AccuGrade system provides accurate cuts, precise grades and faster cycle times.

## Site Reference System

The AccuGrade Site Reference System enables the operator to excavate to pre-determined coordinates. The intuitive layout and controls allow the operator to set target grades relative to points on the work-site. The in-cab display provides bucket position and grade settings to ensure the operator excavates to those parameters. Additional feedback is provided through LED lights and sound. The basic system consists of five main components:

- \* Inclinometer (pitch and roll sensor)
- \* Cylinder position sensors (boom, bucket, stick/e-stick)
- \* In-cab display
- \* Swing sensor
- \* Wiring harnesses
- \* Laser Reference System

The AccuGrade Laser Reference System works with laser transmitters to accurately grade or excavate to a site plan without the use of grade stakes. The advanced system includes all components of the basic system with the addition of the following:

- \* Laser receiver
- \* Electric mast
- \* Laser mast mount
- \* Laser wiring harnesses



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