

General Overview: AccuGrade® Sonic

AccuGrade® Sonic is a grade control system designed to control surface elevation. The sonic system uses an ultrasonic sensor to maintain the blade at the same relative vertical distance to an external reference, such as a string line or curb and gutter.

The system makes automatic elevation adjustments typically performed by the operator when in cross slope only control. The operator simply steers the machine to maintain the sensor over the external reference.

Single Sonic System. When combined with AccuGrade Cross Slope, the single system provides automatic blade adjustments to one side of the blade for automatic control of elevation and cross slope.

Dual Sonic System. When two sonic sensors are used, the system provides automatic elevation control to either side of the blade. The system typically uses only one sensor at a time. This allows the operator to control which side of the blade to control and change direction without relocating sensors.



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