

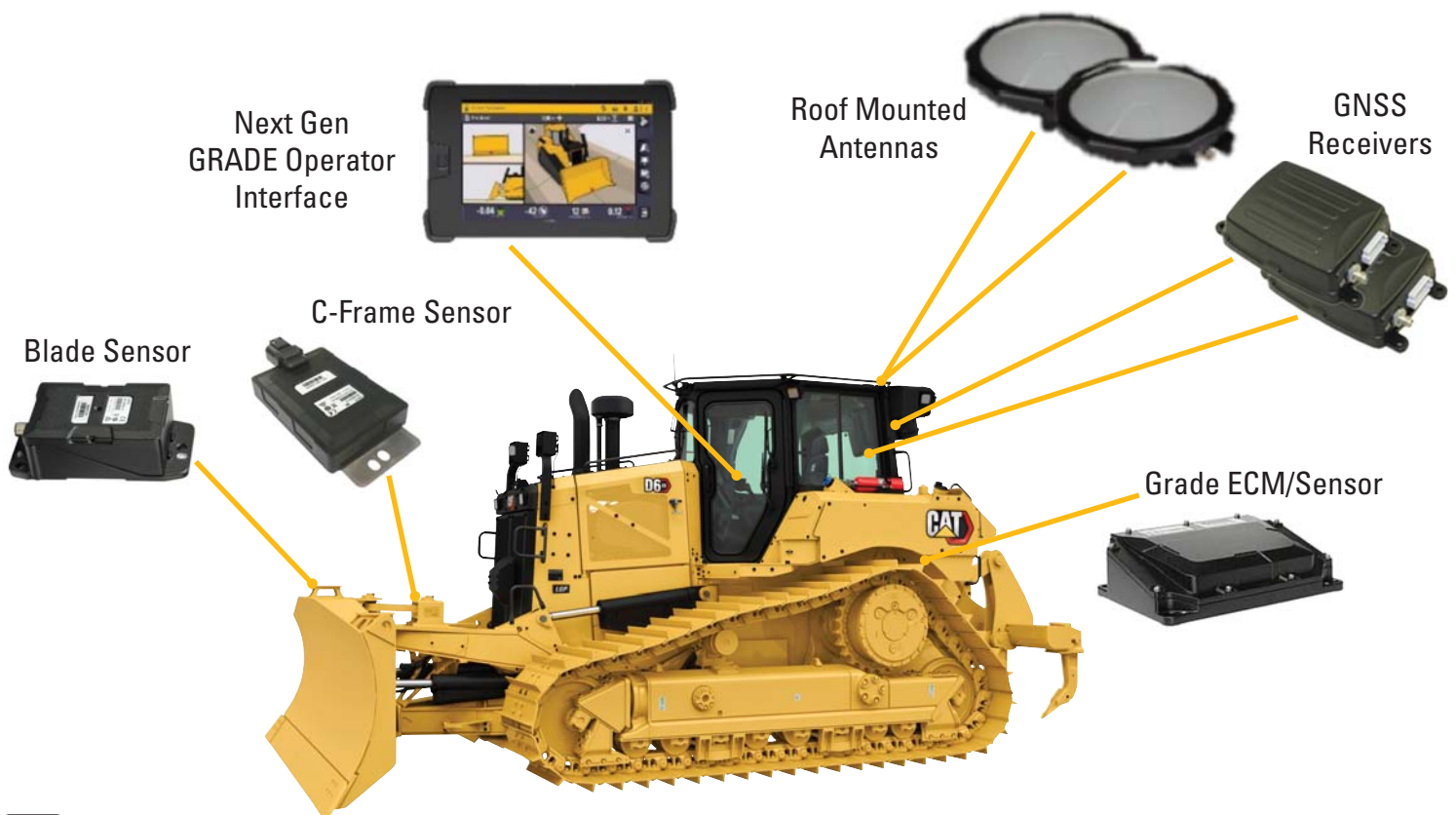
# Cat® GRADE with 3D

for Dozers



## SAVE TIME, IMPROVE ACCURACY, INCREASE PRODUCTIVITY UP TO 50% COMPARED TO TRADITIONAL GRADING.

- Cat® GRADE with 3D uses a GPS signal to automatically adjust blade movements – both lift and tilt – as you follow the design.
- Get to design plan faster to save time and reduce the cost of rework, labor and materials. Use on all phases of the job, from bulk earthmoving all the way to finish grade.
- Use the system on flat plains and slopes, as well as complex designs and contours.
- Factory integrated for improved performance, as well as ease of use and service.
- Next Gen\* operator interface is more intuitive and easier to use with a touchscreen interface.
- Accurate to within 0.1 feet (3 cm). *(May vary based on measure-up, material, application, machine model.)*



\*Next Gen GRADE with 3D available on a growing range of Cat dozers. Please consult your Cat dealer for specific model availability.



**> BOOST OPERATOR EFFICIENCY. REDUCE COSTS. WORK SAFER.**

- Reduces operator inputs by up to 80%.
- Helps experienced operators work more productively and maintain accuracy over long shifts. Operators with less experience become proficient and get to design plan faster.
- Control buttons integrated into the implement joystick for easy operation.
- Simply lower the blade and steer to smoothly cut to plan, raise to disengage. No additional operator input required.
- More intuitive 10-inch glass touchscreen interface is easier to use and operates much like a smart phone.
- No grade checking or stakes to follow – save personnel costs and enhance job site safety with fewer people on the ground.

**> FULLY INTEGRATED.**

- Built in at the factory – components are integrated into the dozer for optimal performance.
- Even smaller antennas are integrated into the cab roof for better protection. There are no masts or cables on the blade – nothing to remove at the end of the day.
- Next Gen GRADE with 3D eliminates position sensing cylinders for more simplicity and the ability to upgrade an ARO tractor to GRADE with 3D.
- Get overview/operator tips right in the display menu.
- GRADE with 3D is ordered with the machine and supported by your Cat dealer or SITECH® technology partner.
- Cat Grade Connectivity uses machine telematics to connect to Virtual Reference Station (VRS) networks and Trimble Connected Community (TCC) with no additional hardware needed. Associated subscriptions required.

**> MAXIMIZE BLADE LOADS. REDUCE REWORK. MORE VERSATILITY.**

- Grade Control Mode automates blade lift tilt for more consistent grades.
- Updated system offers Latch to Grade or Snap to Grade.
- Optimized to work with other dozing features, like AutoCarry™, which helps maximize blade loads and reduce track slip.
- Attachment Ready Option (ARO) allows you to add laser or UTS control as needed.
- Works seamlessly with Cat GRADE with Slope Assist™ for simple jobs or for times when a GPS signal may be lost or not available.

**> LEARN MORE.**

- GRADE with 3D and Next Gen GRADE with 3D are available on a growing range of Cat dozers. Talk with your local Cat dealer for availability.
- Base station and radio required. Please consult with your Cat dealer or local SITECH representative to learn more about GRADE with 3D system requirements.

[www.cat.com](http://www.cat.com)

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