

Cat® GRADE with Advanced 2D and 3D

for Hydraulic Excavators



CREATE, MANAGE, AND GRADE SIMPLE TO COMPLEX DESIGNS.

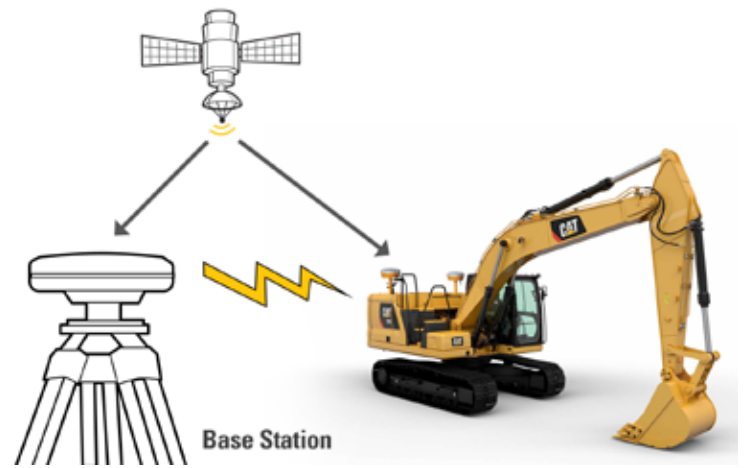
Grade with Advanced 2D

- Upgrade the standard Grade with 2D to Grade with Advanced 2D and you will have the ability to create and work to basic site designs.
- The standard Grade with 2D works as a system while on-board processors and fast response sensors deliver precise real-time bucket tip elevation guidance on the high-resolution touchscreen color monitor.
- Grade with Advanced 2D allows you to input and edit grade designs easily from the operator's seat.
- You will receive an additional 10 in (254 mm) high-resolution, touchscreen monitor.
- Available from the factory or can be quickly added as an upgrade to the standard Grade with 2D.



Grade with 3D

- Upgrade to Grade with 3D and grade to complex designs on multiple machines across your jobsite.
- Work the design plan in real time, easily staying on track and being more productive.
- View bucket position throughout the full range of digging motion on an additional high-resolution 10 in (254 mm) touchscreen monitor.
- Know your excavator's exact position relative to GPS and GLONASS systems.
- Available from the factory or can be quickly added as an upgrade to the standard Grade with 2D.



> BOOST OPERATOR EFFICIENCY UP TO 35%. CREATE AND EDIT DESIGNS FROM THE CAB.

- View work site grade designs from the operator's seat with Advanced 2D or 3D.
- Work the complex design plan in real time across multiple machines when using Grade with 3D.
- Reduce passes and speed time to complete cuts.
- Easy-to-use controls and the ability to quickly adjust depth and grade while keeping your hands on the joysticks allows you to make accurate cuts faster.
- Enhance your accuracy and productivity when using the in-cab display that indicates bucket position and depth-to-grade.
- Use height and depth audio alerts that indicate when you reach your desired grade to protect from overcutting or undercutting.
- Improve quality and consistency for operators at all experience levels.
- Extend your work day by working in limited visibility and around the clock using the monitor's visual guidance.
- Works with the standard Grade Assist, adding semi-autonomous digging capability and simple-to-use single-lever digging to boost operator efficiency.

> LOWER COSTS. IMPROVED SAFETY.

- Minimize costs by reaching target grade quickly and save costs associated with time, labor, fuel, and material consumption.
- Integrated components that are protected from damage ensure long life, reliable control, and cost-saving results.
- Work confidently without guesswork while cutting and filling to exact specifications without overcutting and having to refill a cut.
- Height and depth alerts from inside the cab indicate obstacles that could damage your excavator and cost you money.
- Work safer with fewer ground personnel checking grade in the trench or around your excavator.

BUILT FOR IT.™

www.cat.com



GRADE

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AEXQ2279-00
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