

CAT® CONNECT TECHNOLOGY
Cat GRADE with 3D
for Dozers



From first pass to finish grade, take on 3D design plans more efficiently with Cat® GRADE with 3D. This factory-integrated GPS option helps boost productivity up to 50% vs. traditional grading. Get to design plan faster and save time, rework, labor, and materials.

INTEGRATED

- GRADE with 3D is built right in at the factory – components are protected and optimized on the machine for durability and quick response.
- GNSS antennas are mounted on top of the cab, so there are no masts or cables on the blade – nothing to remove at the end of the day.
- Grade control display is fitted into the dash, putting the design plan right in front of the operator.
- Control buttons are integrated into the implement control joystick, so the operator can keep their hands on the controls, even when turning automatics on and off.
- GRADE with 3D is ordered with the machine and supported by your Cat dealer and SITECH® technology partner.

EASY-TO-USE

- Cat Grade Control 3D automatically adjusts blade movements – both lift and tilt – as you follow the design.
- No additional inputs are required from the operator, except steering. No grade checking or stakes to follow. Simply lower the blade to smoothly cut to plan, raise to disengage.
- Cat Grade Control 3D helps experienced operators work more productively and maintain accuracy over long shifts.
- Operators with less experience become proficient and get to design plan faster.
- Reduces operator inputs by up to 80%.

VERSATILE

- Cat GRADE with 3D works in both production dozing and fine grading applications.
- Optimized to work with other dozing features, like AutoCarry™, which maximizes blade loads for ground conditions to improve load capacity and reduce track slip. This means you get full blade loads and smoother grades, every pass.
- Includes AccuGrade™ Ready Option (ARO) so you can add laser or UTS control as needed.

AVAILABILITY

Cat GRADE with 3D is an available option on new dozer models:

D3K2	D6N
D4K2	D6T
D5K2	D8T
D6K2*	D9T

*Available early 2017.
 Please consult your Cat dealer for details.

APPLICATIONS

- Bulk earthmoving to fine grading
- Flat planes and slopes
- Complex designs and contours

ACCURACY

Within 1/10th ft. (3 cm).
 May vary based on measure-up, material, application, machine model.





MODES AND FEATURES

Intelligent dozing features and modes optimize the machine for the application by matching blade loads with ground conditions – resulting in maximum blade loads and smoother grades with less effort.

MODES

- **Grade Control** – automates blade lift and tilt for more consistent grades. Maximizes productivity when used with AutoCarry.
- **Rough Grade** – prevents downward movement of blade center below grade. Permits full tilt-steer capability to maximize productivity.
- **Grade Protection** – prevents entire blade from cutting below desired grade during manual blade operation to reduce rework.

FEATURES

- **AutoCarry** – automates blade lift/lower to maintain blade load, improve load consistency and reduce track slip. Works seamlessly with Grade Control and Rough Grade Modes.
- **Auto Blade Assist** – automates blade pitch and lift during Load/Carry/Spread cycle based on operator preferences. Works with AutoCarry.
- **Automatic Ripper Control** – automatically adjusts ripper height to limit track slip in heavy ripping applications.

No GPS Signal? No Problem for Cat GRADE with Slope Assist

Cat GRADE with Slope Assist, another Cat GRADE for Dozers technology, simply and automatically maintains established blade slope. Found only on Cat dozers, this 2D blade control system helps you finish grading jobs up to 39% faster, with up to 68% better surface quality and using up to 82% less operator effort.

Slope Assist requires no base station or laser and works without a GPS signal. It's the ideal tool for a wide variety of grading jobs, or as a companion to work seamlessly alongside Cat GRADE with 3D.

- Transitions between design plan elements, like driveways and drainage areas
- Quick cleanups
- Simple design plans on-the-go
- Areas where GPS signal may be lost or unavailable

Slope Assist is available on a growing range of new Cat dozers. Ask your Cat dealer or visit www.slopeassist.com for more details.

FEATURE AVAILABILITY

FEATURES	D3K2 D4K2 D5K2	D6K2 D6N D6T	D8T D9T
AutoCarry	•*	•	•
Auto Blade Assist**			•
Auto Ripper Control			•
MODES			
Grade Control	•	•	•
Rough Grade	•	•	•
Grade Protection	•	•+	•

Please consult your Cat dealer for details.

*Available late 2016

**Requires dual-tilt blade

+Integrated with basic mode

BUILT FOR IT.™

www.cat.com

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