Cat Grade Control 3D
for Track-Type Tractors

Cat® Grade Control 3D for dozers provides real-time blade tip position and elevation guidance to help operators work more productively and hit target grade faster, with greater accuracy, in fewer passes. Maximize the earthmoving process—from bulk earthworks all the way to finish grade.

PRODUCTIVITY / EFFICIENCY

- **Boost productivity up to 50%** vs. traditional grading – help improve quality and consistency for operators at all experience levels.

- **Work confidently, without guesswork** – in-cab display with grade plan, cut/fill data, and grade indicators are viewable at a glance to guide the operator to grade.

- **Work efficiently, every pass** – move material precisely where you need it; save rework, time, labor, fuel, and cost-per-yard of material moved.

- **Reduce site costs; work safely** – eliminate staking, checking, re-staking and delays; reduce ground crews and jobsite activity.

- **Get more done with less effort** – automated blade movements reduce operator inputs up to 80%.

- **Extend the work day** – work in limited visibility and around the clock using visual guidance.

- **Increase machine versatility** – add AccuGrade™ for laser or UTS control as needed or when satellite reception is limited.

INTEGRATION

- **Dual cab-mounted GNSS antennas** – adjusts for direction; no blade-mounted masts or cables, no climbing to remove components.

- **Built-in components** – low-profile, on-cab antennas are protected from damage; joystick buttons allow for quick grade adjustments.

- **Optimized performance** – advanced machine and grade technologies work as a system; smart blade adjustments maximize productivity.

- **World class support** – Your Cat dealer and SITECH® technology partner can help you get set up and working efficiently.

AVAILABILITY

D6N* | **D6T** | **D8T** | **D9T**

D6N, D6T – Tier 4 Final only.

*Available early 2016

Check with your Cat dealer for model specifics and availability as the grade control line continues to grow.

APPLICATIONS

- Bulk earthmoving to fine grading

- Flat planes and slopes

- Complex designs and contours

ACCURACY

- Within 1/10th ft. (3 cm), depending on measure-up, material, application, and machine.

GNSS ANTENNAS

DATA RADIO (Available from Trimble)

GNSS RECEIVERS

POSITION SENSING CYLINDERS

JOYSTICK BUTTONS

INERTIAL MEASUREMENT UNIT

GRADE CONTROL DISPLAY

CAT®

FEATURES & MODES

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

FEATURES

- **AutoCarry™** – automates blade lift to maintain desired 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** – automates ripper height, limits track slip, and reduces wear during heavy ripping applications.

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 overcutting.

FEATURE AVAILABILITY

FEATURES	D6N D6T	D8T	D9T
AutoCarry	•	•	•
Auto Blade Assist*		•	•
Auto Ripper Control		•	•
MODES			
Grade Control	•	•	•
Rough Grade	•	•	•
Grade Protection		•	•

Requires Dual Tilt Blade

PRODUCTIVITY MONITORING*

- **Automatically track** material movement and monitor progress using 3D track mapping data, and make timely decisions to keep work on schedule. View daily production data via LINK technologies using online VisionLink® 3D Project Monitoring.

  * Requires subscription and additional hardware.

EQUIPMENT MANAGEMENT   PRODUCTIVITY   SAFETY   SUSTAINABILITY

CAT® CONNECT I PRODUCTIVITY

BUILT FOR IT.

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