

Cat® GRADE with 3D

for Track-Type Tractors



Cat® GRADE with 3D helps you hit target grade faster and finish jobs quickly, accurately, in fewer passes—reducing rework and costs. Cat GRADE with 3D for dozers helps 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.
- **Reduce site costs; work safely;** eliminate staking, checking, re-staking and delays; reduce ground crews and jobsite activity.
- **Work confidently, without guesswork;** in-cab guidance, grade plan, cut/fill data, and grade indicators are viewable at a glance.
- **Work efficiently every pass;** move material precisely where you need it; save time, labor, fuel, and cost-per-yard of material moved.
- **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;** upgrade to AccuGrade™ for laser, single or dual GNSS, or UTS control as job requirements grow.

INTEGRATION

- **Dual cab-mounted GNSS antennas;** adjusts for direction; no blade-mounted masts or cables, no climbing to remove components.
- **Built-in components;** on-cab antennas 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;** global network of Cat dealers and SITECH™ technology partners.

AVAILABILITY

| D6T | D8T | D9T |
|----------------------------------|--------------------------------|----------------|
| (Tier 4 Final) Available 2015 | (Tier 4 Interim, Tier 4 Final) | (Tier 4 Final) |

APPLICATIONS

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

ACCURACY

- Down to ±1/10th/ft, depending on measure-up, material, application, and machine.



FEATURES & MODES

Sophisticated 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 Mode.
- **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.

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.

FEATURE AVAILABILITY

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

*Requires Dual Tilt Blade



CAT CONNECT

BUILT FOR IT.™

www.cat.com

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