



# GRADE

THE ACCURACY YOU WANT.



# GET TO GRADE FASTER, EASIER AND MORE EFFICIENTLY.

Profitable businesses rely on getting to grade quickly, precisely and without rework. Cat® Connect GRADE technologies combine digital design data, in-cab operator guidance and automatic machine control to help you to hit target grade faster and finish jobs quickly, more accurate, and in fewer passes—reducing rework and material costs across a wide range of applications.

Whether you're working on simple planes and slopes or complex contour designs, GRADE technologies enable you to boost grading efficiency by as much as 50%, helping you get more work done—in less time and at a lower cost—than ever before.





## **IN-CAB GUIDANCE PUTS OPERATORS IN CONTROL**

GRADE technologies bring digital design data into the cab, giving operators the information they need to work confidently and productively, all day. Easy-to-read displays deliver in-cab guidance at a glance. Real-time cut/fill data and 3D maps provide immediate feedback to guide operators to grade quickly, whether you're digging, dozing, slope cutting, milling or paving.

Fully integrated into Cat equipment, GRADE technologies are optimized to work as a system with the machine and its implements. That means faster, more responsive hydraulics and accurate grades, even on curves. With controls built right into the cab and joysticks, operators can simply engage the automatics and reach target grade fast.


## **MAKE EVERY OPERATOR MORE PRODUCTIVE**

GRADE technologies incorporate a number of operator-assist productivity-enhancing features that are already built into the machine. Some, such as Sequence Assist and Auto Blade Assist, automate repetitive tasks for more consistent results. Others, like AutoCarry, take over specific implement functions so operators can focus on guiding the machine. By making complex grading and paving operations easier, GRADE technologies help new operators become productive in less time, and enable experienced operators to work even more comfortably and efficiently.

## **KEEP PEOPLE SAFELY AWAY FROM WORKING EQUIPMENT**

With design information at your operators' fingertips, the need for stakes, hubs and string lines is significantly reduced. That limits the number of people on the jobsite. Fewer surveyors, stakers and grade checkers need to be working around heavy equipment, which helps reduce the chances for injuries and lets operators devote more attention to operating their machines. As a result, you get a safer, more productive jobsite, even in extreme conditions.

# THE ACCURACY YOU WANT FROM YOUR EQUIPMENT.

 <b>GRADE</b>	FACTORY INSTALLED			DEALER INSTALLED				
	CAT® GRADE CONTROL			ACCUGRADE™				
	CROSS SLOPE	LASER	GPS	CROSS SLOPE	SONIC	LASER	GPS	UTS
<b>MOTOR GRADERS</b>	2D Blade Slope Guidance + Blade Automation			2D Blade Slope Guidance + Automation	2D Blade Depth Automation	2D Blade Depth Guidance + Automation	3D Blade Depth/Slope & Position Guidance + Automation	3D Blade Depth/Slope & Position Guidance + Automation
<b>TRACK TYPE TRACTORS</b>			3D Blade Depth & Position Guidance + Blade Automation			3D Blade Depth & Position Guidance + Blade Automation	3D Blade Depth & Position Guidance + Blade Automation	3D Blade Depth & Position Guidance + Blade Automation
<b>EXCAVATORS</b>		2D Bucket Depth Guidance				2D Bucket Depth Guidance	2D Bucket Depth Guidance	2D Bucket Depth Guidance
<b>SCRAPERS</b>			3D Bowl Depth & Position Guidance + Automation				3D Bowl Depth & Position Guidance	
<b>ASPHALT PAVERS</b>	2D Cross Slope + Sonic Averaging Ski + Contact Sensor			2D Cross Slope + Sonic Averaging Ski + Contact Sensor				2D Paving
<b>COLD PLANERS</b>	2D Cross Slope + Sonic Wire Rope Sensor + Contact Sensor							NO ACCUGRADE SYSTEM. Trimble 3D milling solution works with 2D systems

## CAT® CONNECT



Cat Connect combines technologies and services to boost your jobsite performance. Whether you're running a few pieces of equipment or a big fleet, your Cat dealer can help you put together a package that gives you timely information about your operations, helps you complete jobs faster and lets you achieve the efficiency you want.

It's what we're built to deliver.

## BUILT FOR IT.™



AEXQ1204

© 2014 Caterpillar. All Rights Reserved.  
 CAT, CATERPILLAR, BUILT FOR IT, their respective logos, Product Link, AccuGrade, "Caterpillar Yellow," the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.