

3D-MC²

Motorgrader



- Finish Grade at Significantly Higher Speeds & Tighter Tolerances
- Compatible with Topcon 2D & 3D Sensors: Laser, Sonic, LPS, GPS & mmGPS
- Prevents Duck Walking and Undercutting
- Compensates for Rolling of the Mold Board
- Unmatched Productivity You Have to See to Believe



More Productive, Better Accuracy

Topcon revolutionized the 3D grading world with the introduction of 3D-MC² for Dozers. This innovative new sensor technology brought operating speeds and accuracies to crawler dozers that no one had seen before. Contractors around the world have reported unprecedented returns on their investments.

Now, this same 3D-MC² technology is available for motorgraders. Adding 3D-MC² to a motorgrader allows the control system to immediately sense any changes in the cutting edge position and instantly make corrections, providing superior stability and smoothness when finish grading at five times the speed.

3D-MC² works in synergy with Topcon's existing slope sensor to maintain the industry best slope accuracy from flat grades to steep slope applications. With the increase in correction speed, operators can breeze through transitions without having to slow down to allow the system to keep up.

MC² has built in tilt compensation. Whether you need to roll the blade forward to shave a high spot or back to carry a windrow, the system automatically adjusts for the change in blade position to maintain the correct grade.

Complete System Compatibility

Best of all, Topcon's 3D-MC² system is compatible with all of our existing sensor technology. No matter if you want to run single or twin antennae GPS, our patented mmGPS or a robotic LPS solution, all work hand in hand with the 3D-MC² hardware. You can even have 3D-MC² work in a 2D application with sonic and lasers when GPS or 3D models are not available.

The system is easy to install on new 3D motorgraders as well as those running a current Topcon GX-60 system. Simply mount the 3D-MC² sensor, update the OAF's and software and calibrate the system and you are up and running in no time at all.



PZS-MC Receiver

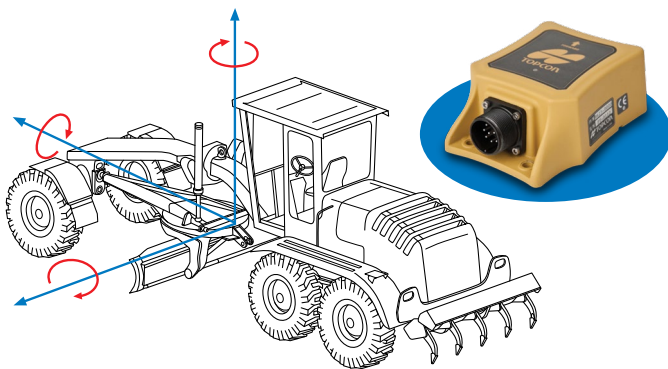


LPS Prism



Sonic Tracker II

If you are looking to increase the speed at which you can grade, tighten your tolerances to save on materials and reduce the fuel burned and wear and tear on your motorgrader, 3D-MC² is exactly what you need!



How it Works

3D-MC² utilizes our Topcon's GX-60 control box, GPS+ antenna, MC-R3 receiver and new 3D-MC² sensor and pairs them with advanced new controlling software to provide position updates up to 100 times per second. The 3D-MC² sensor combines a gyro, compass and inertial sensor to measure the X, Y & Z position as well as the roll, pitch, yaw and acceleration of the motorgrader. Result? Speed, accuracy and flexibility.

Your local Authorized Topcon dealer is:

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