

# Motor Grader Solution

3D-MC<sup>2</sup>



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# Unleash the Capabilities of Motor Grading for Ultimate Productivity

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**Finish grade at significantly higher speeds and tighter tolerances**

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**Compatible with Topcon 2D and 3D sensors: Laser, Sonic, LPS, GPS and Millimeter GPS**

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**Prevents duck walking and undercutting**

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**Compensates for rolling of the mold board**

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## **Full motor grader speed, completely automatic**

Topcon revolutionized the 3D grading world with the introduction of 3D-MC<sup>2</sup> for dozers. This innovative sensor technology brought operating speeds and accuracies to dozers that no one had seen before. Contractors around the world have reported unprecedented returns on their investments.

Now, this same 3D-MC<sup>2</sup> technology is available for motor graders. Adding 3D-MC<sup>2</sup> to a motor grader 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-MC<sup>2</sup> 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.

The MC<sup>2</sup> sensor 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**

Topcon's 3D-MC<sup>2</sup> system is compatible with all of our existing sensor technology. No matter if you want to run single or twin antenna GPS, our patented Millimeter GPS or a robotic LPS solution, they all work with the 3D-MC<sup>2</sup> hardware. You can even have 3D-MC<sup>2</sup> work in a 2D application with sonic and lasers when GNSS or 3D models are not available.

The system is easy to install on 3D motor graders, simply mount the 3D-MC<sup>2</sup> sensor, update the OAF's and software and calibrate the system and you are up and running in no time at all.



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