

3D-MC²

**Twice the speed, twice the accuracy,
over any 3D Machine Control Dozer**



**Shatter the final 3D automation
production barrier - SPEED!**

- INCREASE SPEEDS UP TO 200% OVER EXISTING 3D SYSTEMS
- SMOOTHNESS AND GRADING ACCURACY COMPARABLE TO MOTORGRADERS
- SAME EASY-TO-USE INTERFACE AS PREVIOUS TOPCON MACHINE AUTOMATION SYSTEMS
- UNMATCHED PRODUCTIVITY THAT YOU WILL HAVE TO SEE TO BELIEVE!

Shatter the Final 3D Automation Production Barrier - Speed

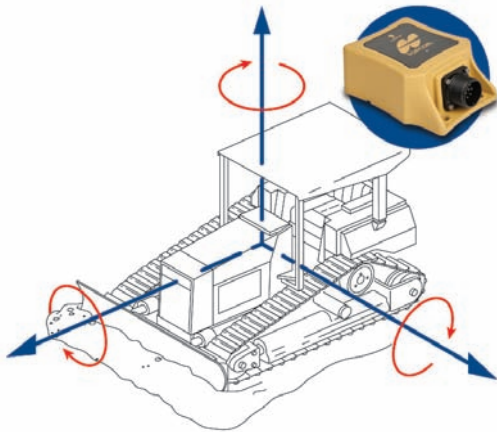
Traditional finish grading with a dozer took multiple passes at slower speeds. Existing 3D-GPS machine control allows operators to double their production. 3D-MC² uses evolutionary technology to reach an unbelievable new level of performance: four times faster than a standard dozer, two time faster than any 3D dozer! One dozer doing the work of two 3D dozers; think of the money you will save.

More Efficient Use of your Machine

3D-MC² will drastically change the role your dozer plays on a typical job site, in some cases it may even replace the need for a Motorgrader. It also means more efficient use of your dozer. Not only does speed increase, but fewer passes are needed, so much more work can be done in less time. That means less machine operating time translating in to less fuel, less wear on a machine and most importantly, more time that can be spent working in other areas or jobsites.

How it Works

3D-MC² utilizes our Topcon's GX-60 control box, GPS+ antenna, MC-R3 receiver and new MC² sensor and pairs them with advanced new controlling software to provide position updates up to 100 times per second. The 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 dozer. 3D-MC² is essentially using rocket science to provide the most stable and responsive control system possible.



Improved Operator Performance

3D-MC² is built on our same easy to use interface so your operators will have no problem putting it to work right away. As a matter of fact, with the advancements of 3D-MC² your less experienced operators will be able to compete with even your most skilled operators. More for less, what could be better!

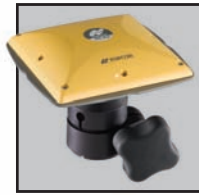


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3D-MC² components



MC-A1



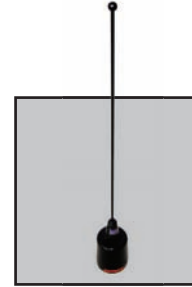
GX-60



3D-MC² Sensor



Hydraulic Valve



Radio Antenna



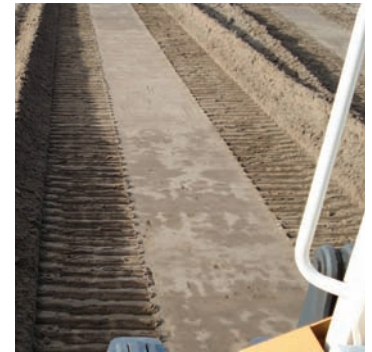
MC-R3
GPS+ Receiver

Topcon's 3D-MC² uses the same familiar component structure you're already used to. By incorporating Topcon's 3D-MC² sensor in place of the previous slope sensor, your dozer not only moves bulk material, it also cuts finished grade at speeds no one else can touch!

High-speed grading



Conventional 3D System



New 3D-MC² System



Topcon's 3D-MC² technology allows dozers to maintain unprecedented smoothness at higher speeds, even while turning.

Your local Authorized Topcon dealer is: