



3D-MC^{MAX}
INTEGRATED 3D DOZER SYSTEM





3D Grade Control

- Dual antenna configuration
- Support for 6-way blades
- Eliminates the need for GNSS mast
- Superior performance for any rough or fine grading job site application
- Increased blade response
- Accurate as-built data for volume and productivity reporting

A revolutionary dozing system, 3D-MC^{MAX} delivers the highest productivity dozer solution for any rough or fine grading application. 3D uses our industry leading inertial sensors on the body and blade – all to keep the blade cutting edge on grade for any application. This system was built to keep you productive on any job site – providing maximum speed, maximum control, and maximum performance.

Slim and trim – a clear path ahead

The power of the system lies within the inertial sensors. These robust and highly precise sensors work together with ruggedized cab-mounted antennas conveniently placed in a secure location on the machine. This intelligent design gives the operator unobstructed visibility and the flexibility to grade at full throttle on any surface, close to objects, or while in reverse.

Any application, anywhere

The 3D system can be used for fine grading applications such as reducing the dependency on motor graders. With support for 6-way controlled blades, any dozer operation can benefit. The sensors work together to keep the blade as close to the surface as possible, delivering a smooth and consistent pass for any slope.

Outperform the field with the 3D system. Take advantage of every movement made when the machine is in motion and cut finish grade while driving in reverse at high speeds.



3D-MC machine control software

3D-MC software is intuitive and modern. Our machine control software seamlessly drives all components in the system.

Visualize your every movement and have the integrated LED light bars guide you when you're on grade.



GR-i3F GNSS receivers

Radio antenna

MC-i4 communication unit

GX-55 control box

MC-X1 controller

TS-i4 sensors



MC-X1 Controller

Future-proof, compact and rugged machine controller designed for machine control systems and future planned enhancements.



GX-55 Intuitive Display

Robust designed display delivered in a lightweight, compact aluminum housing – complete with integrated LED light bars, a graphical interface and fast data processor.



MC-i4 Communication Unit

An interchangeable communication unit with internal radio, cell and LongLink™ modules.



GR-i3F GNSS Receiver

Fully integrated multi-constellation GNSS receivers for precise positioning of the dozer at all times.



TS-i4 IMU Sensors

Mounted on the body and blade, the inertial sensors deliver update rates to the system, keeping the blade on grade at high speeds.



For more information:
topconpositioning.com/3dmcmax

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