



Trimble Earthworks grade control platform for motor graders

One and done

Leave a finished grade the first time, every time.

Ask for the next generation of machine control.
From the company that invented machine control.

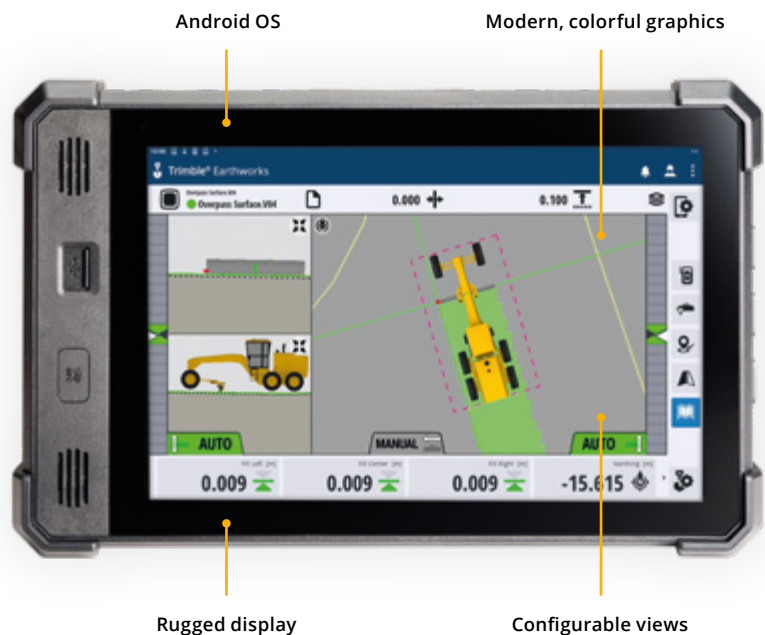
The Trimble® Earthworks grade control platform for motor graders helps operators of all levels leave a quality surface in their tracks. Our cutting-edge platform features state-of-the-art software and hardware which improves operator capabilities and gives you a first-pass finish that's second to none.

Also available as a subscription with flexible terms to modernize your equipment with no large upfront cost.



Intuitive software, rugged hardware

The Trimble Earthworks software runs on the Android™ operating system with the 10-inch (25.4 cm) Trimble TD540 display. Colorful graphics, natural interactions and gestures and self-discovery features make Trimble Earthworks intuitive and easy to learn. Each operator can personalize the interface to match their workflow and a variety of configurable views make it easier to see the right perspective for maximum productivity.



Dual-GNSS accuracy

Trimble pioneered the dual GNSS solution to meet the needs of the construction industry. Dual GNSS provides real-time position and heading of the machine for guidance of the motor grader blade in 3D, enabling faster reaction times and enhanced performance.

The IMU-based system offers even better GNSS performance, for more accuracy and stability. The platform supports multiple correction services, including VRS and Internet Base Station Service (IBSS). When a correction source is temporarily unavailable, the Trimble xFill® feature will fill in the gaps to maximize up-time.

Mastless flexibility

Trimble Earthworks for motor graders mastless configuration* mounts one GNSS antenna on the cab and one on the gooseneck of the machine, to eliminate masts and cables traditionally located on the blade. Mastless GNSS receivers are ideal for the blade's maximum range of motion, needed for steep slope work and complex designs with tight tolerances.

This configuration enables contractors to decrease risk of damage to the machine, keep valuable antennas safer and reduce the time needed to remove and reinstall them each day.

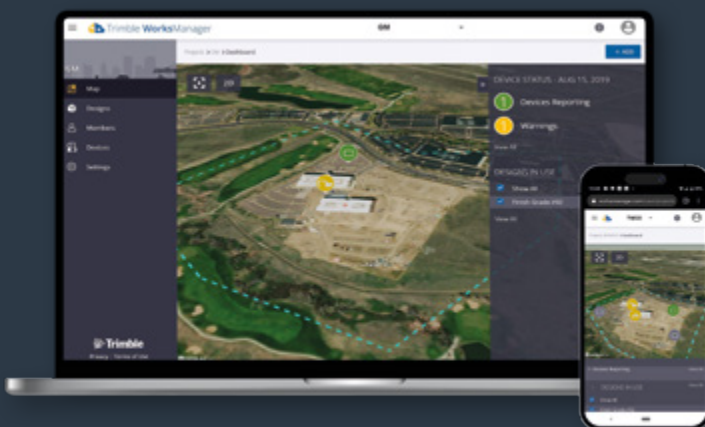
Site connectivity

To ensure everyone is operating from the latest design, transfer data files to or from the office wirelessly using Trimble WorksManager software, a mobile-friendly application that easily manages data and technology assets across project sites.

**Available for select Cat® and John Deere® motor graders*

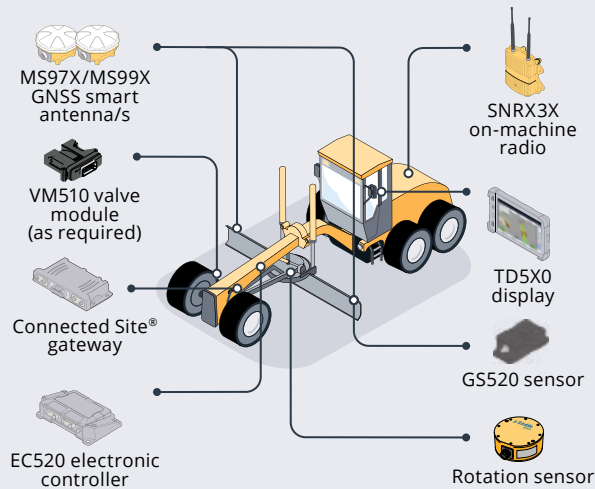


Trimble WorksManager software



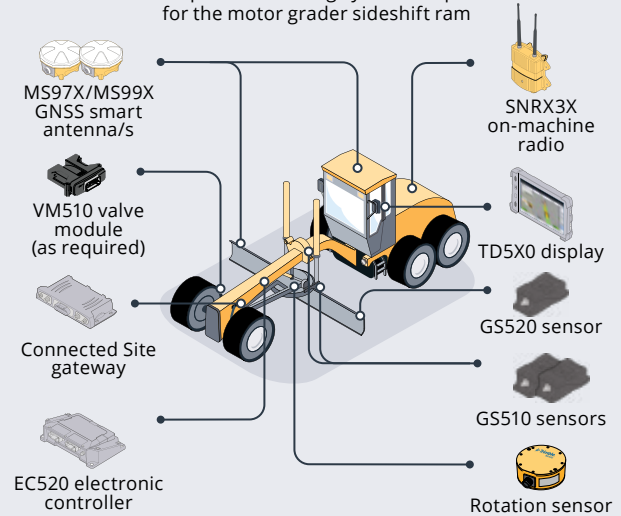
Trimble Earthworks: motor grader 3D configuration options

Blade-mounted dual GNSS system

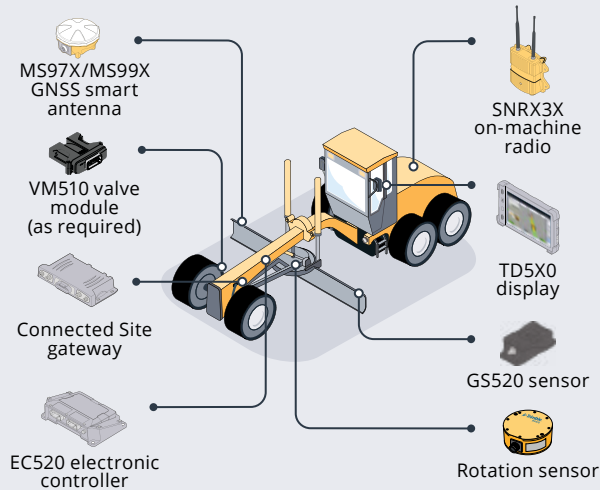


Mastless dual GNSS system

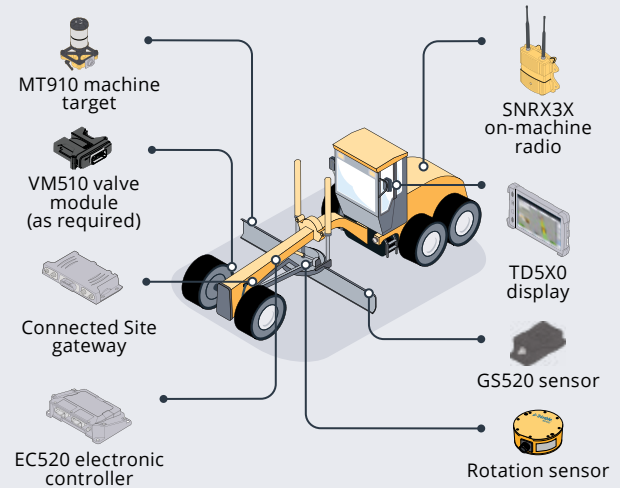
Note: position sensing cylinder required for the motor grader sideshift ram



Blade-mounted single GNSS system



Universal total station system



civilconstruction.trimble.com

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