Trimble

Trimble Earthworks grade control platform

for dozers

Running on time, versus out of time

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

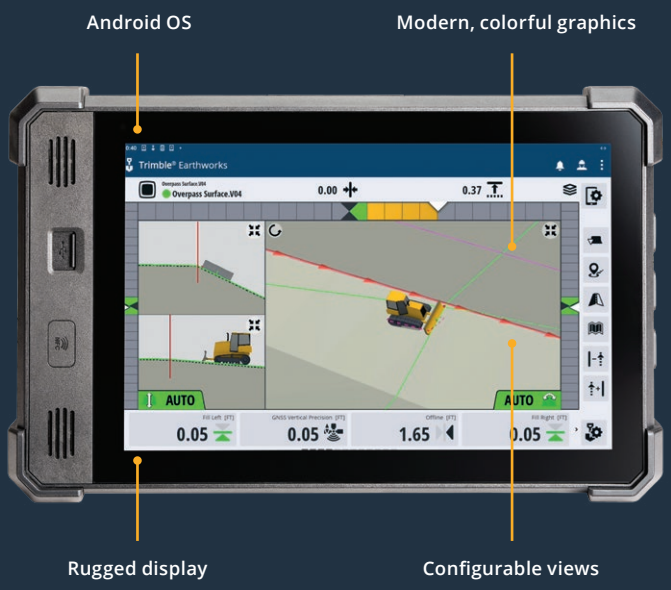
The Trimble® Earthworks grade control platform for dozers is designed to help you do more in less time. Our cutting-edge platform features state-of-the-art software and hardware to give operators of all skill levels the ability to work faster and more productively than ever before.

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.



Focus on grade

Horizontal Steering Control functionality for dozers automatically controls the machine to follow any horizontal alignment such as a back of a curb, breakline, roadway centerline or bottom of slope — without operator assistance. Operators can also manually set up offsets from selected alignments that the machine can follow.

Focus on the grade, machine productivity and safety rather than worrying about steering — reducing operator fatigue and errors. Horizontal Steering Control functionality enables the machine to follow the horizontal guidance from the 3D model, providing operators increased awareness of their surroundings, better accuracy and improved productivity with decreased overlap and fewer passes.

Cab-mounted portability

Trimble Earthworks for dozers mounts dual GNSS antennas on top of the cab to eliminate masts and cables traditionally located on the blade. The dual GNSS antennas are ideal for steep slope work and complex designs with tight tolerances.

This configuration allows you to easily move the antennas to other machines, to maximize your investment and keep your machines working. Save time with the more convenient cab-mounted antennas that eliminate the need to reinstall them each day.

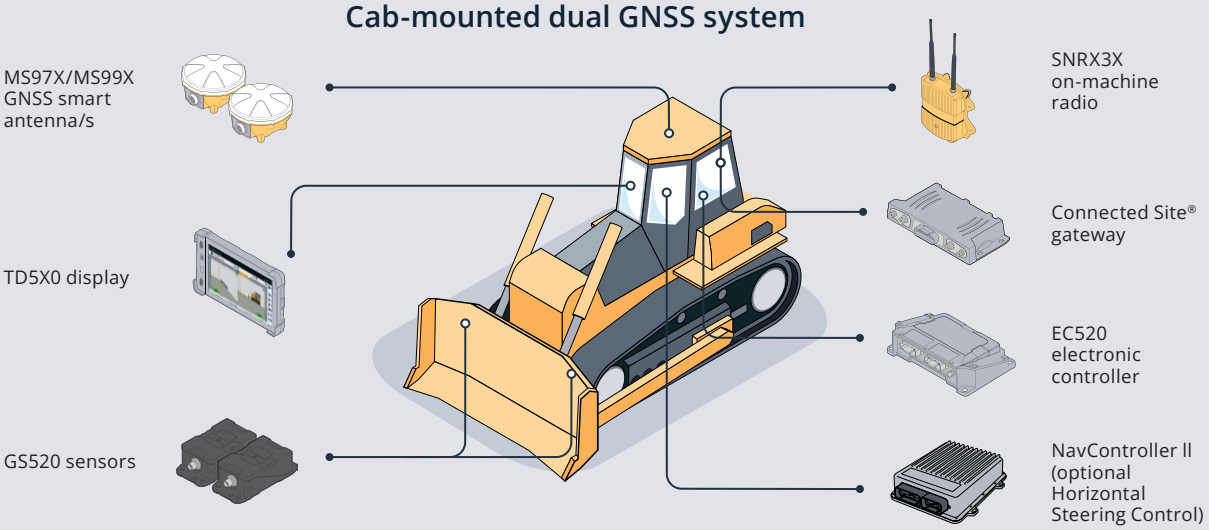
Connected workflows

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

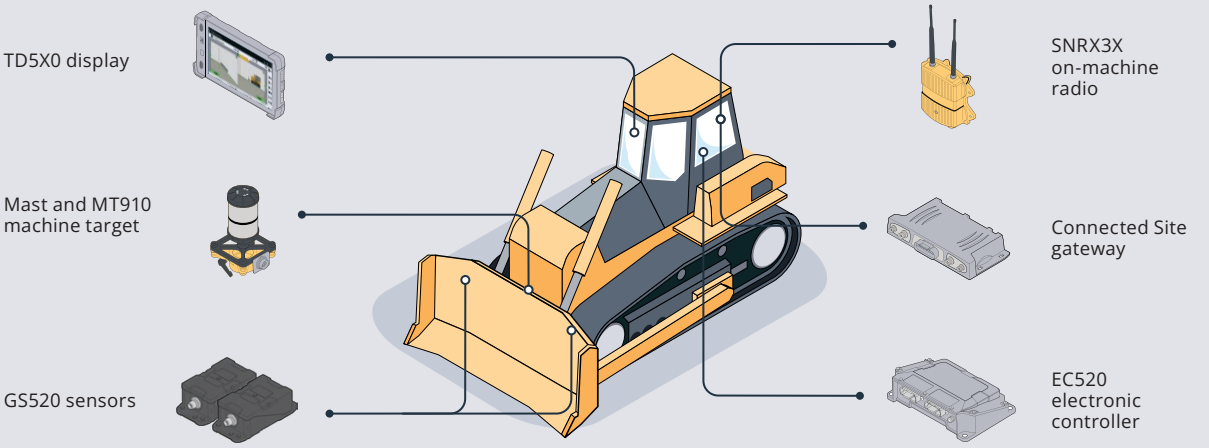
Trimble WorksManager software

Trimble Earthworks: dozer configurations

Cab-mounted dual GNSS system



Universal total station system



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