Trimble

Trimble Earthworks grade control platform

for towed and wheeled tractor scrapers

Scraper performance, redefined

Precision in every cut. Efficiency in every fill.

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

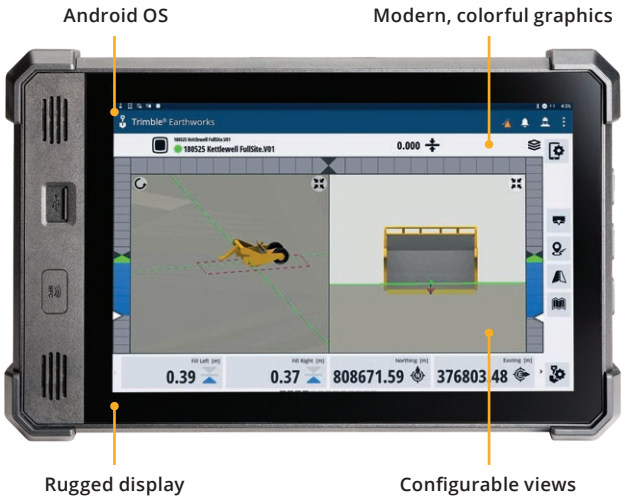
The Trimble® Earthworks grade control platform for towed and wheeled tractor scrapers* is engineered to boost productivity, accuracy and efficiency throughout the entire cut–haul-fill cycle. Combining intuitive, easy-to-learn software with rugged, state-of-the-art hardware, Trimble Earthworks equips operators of all skill levels to work faster and more precisely.

The system provides complete 3D design guidance and is optimized for high-volume earthmoving projects such as highway construction, site preparation, landfill operations and mining reclamation. This system delivers the performance and results that bulk earthmoving jobs demand.

**Available on select models*

Intuitive software, rugged hardware

The Trimble Earthworks software runs on the Android™ OS, using 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.



Consistent results, cycle after cycle

Real-time in-cab grade information lets operators eliminate guesswork throughout the cut, haul and spread cycles. This ensures consistent results and delivers key benefits such as:

- **More accurate cuts and fills.** Cut material precisely to design depth and fill bowls efficiently, minimizing costly overcutting or undercutting.
- **Consistent bowl loading and smoother hauling.** Confidently move material over medium to long distances with greater control and predictability.
- **Eliminate rework and extra passes.** The system ensures material is unloaded and spread precisely to grade, reducing the need for support passes by dozers or graders and saving time on the jobsite.
- **Streamlined workflows.** Eliminate manual grade checks, drone flyovers or cycle counts by providing site supervisors accurate and timely insight into cut and fill volumes.
- **Track production targets with confidence.** Monitor ongoing cut and fill volumes accurately to measure progress and manage daily or weekly production goals.
- **Seamless visibility from field to office.** Enhanced communication between field crews and office teams keeps all stakeholders aligned, supporting better decision-making and project tracking.

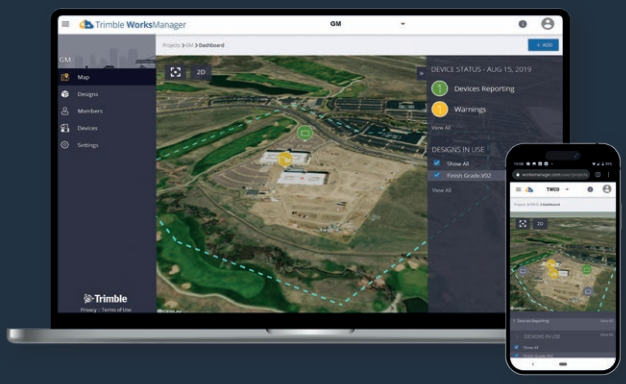
Design swap for wheeled tractor scrapers

Operators instantly toggle between cut and fill designs with the push of a button, without stopping the machine. This eliminates downtime and haul road interruptions, maximizing productivity for nonstop scraper work.

Connecting the jobsite

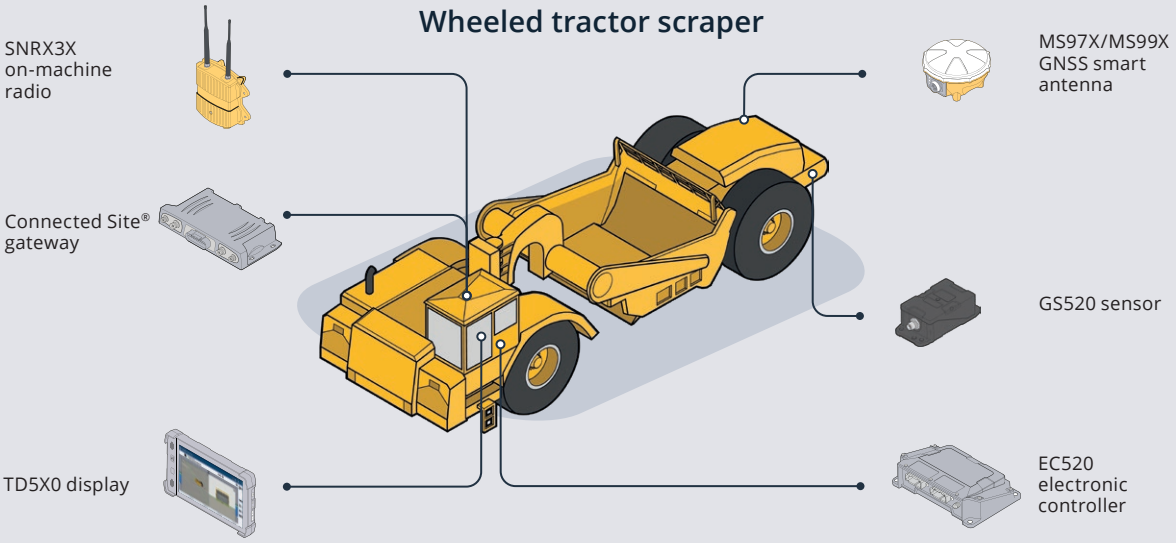
Trimble integrated software solutions are scalable, easy to use and built for seamless jobsite communication. With tools like Trimble WorksManager software, design updates and field data sync automatically and wirelessly to the office — ensuring teams always work from the latest plan. This timely connection improves progress tracking, supports faster decisions and keeps projects running smoothly and efficiently.

Trimble WorksManager software

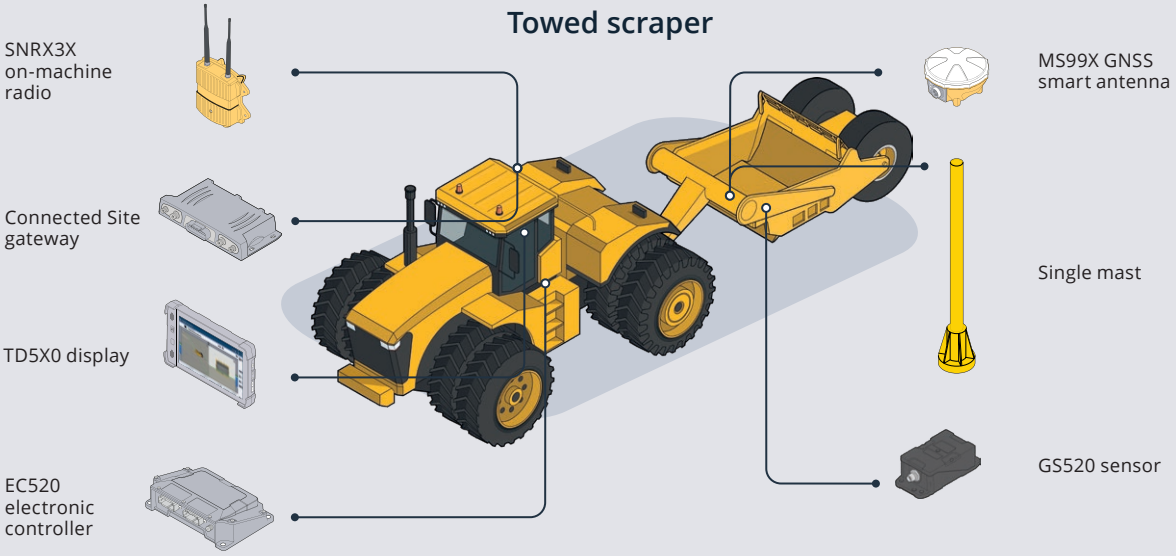


Trimble Earthworks towed and wheeled tractor scrapers configurations

Wheeled tractor scraper



Towed scraper



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