TRIMBLE EARTHWORKS

GRADE CONTROL PLATFORM FOR SOIL COMPACTORS

FOR A PERFECT FINISH

The Horizontal Steering Control feature is available on an increasing number of machine brands and models. The next generation Android UI system with a large, friendly touch screen enables you to easily view compaction progress and pass counts, as well as optionally view and record the compacted soil stiffness.

Trimble Earthworks supports 4-drum landfill compactors. The Landfill Compaction Algorithm (LCA) gives operators the ability to configure multiple compaction parameters. It helps avoid unnecessary passes that waste time and fuel, and alleviates thick layer material placement that leads to insufficient compaction. LCA allows contractors to customise the system to the characteristics of the site, allowing users to define their own best practices for a more efficient landfill operation.

INTELLIGENT COMPACTION

Trimble Earthworks for soil compactors enables contractors to accurately control the compaction process, while reducing unnecessary passes that result in over compaction. The system achieves compaction target faster, more accurately and with less rework.

- Compact surface material to the desired compaction stiffness target and monitor site volumes simultaneously, in real time
- Soil and sub-surface material compaction measurement for single smooth drum and pad foot rollers
- Achieve increased durability, stability and load-bearing capacity

HORIZONTAL STEERING CONTROL

The Horizontal Steering Control feature 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.

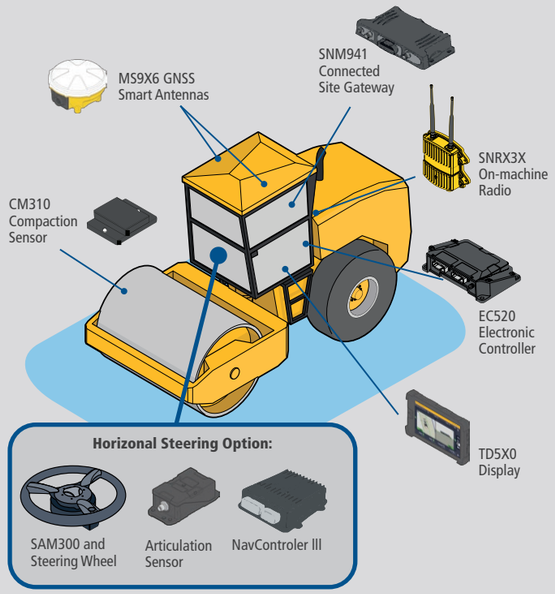
It enables the machine to follow the horizontal guidance from the 3D model, providing operators increased awareness of their surroundings, better accuracy and improved productivity with decreased overlap and fewer passes.

ACTIONABLE DATA

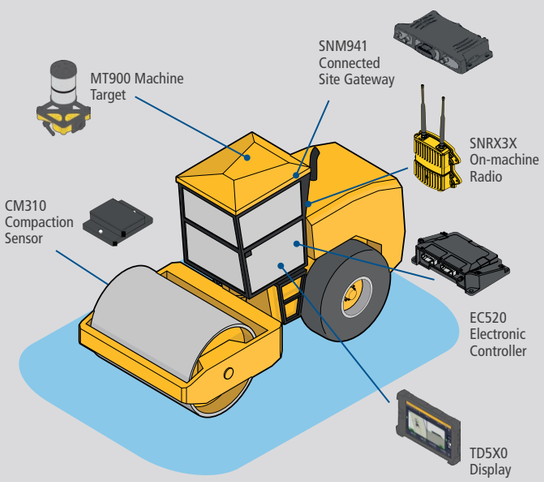
Supervisors and quality managers can monitor compaction activities in real-time, and operators can immediately identify the areas that require further compaction using Trimble WorksOS Software and Trimble Earthworks.

- Collect and document comprehensive, real-time compaction data
- Analyse data in the office to generate detailed reports and documentation to meet project specifications
- Continuously monitor pass counts and compaction measurement values (CMV) over the entire area
- Improve testing success, reduce rework and lower ongoing maintenance costs
- Reduce over-compaction to optimise fuel use and machine time such as work previously completed versus work completed that day

DUAL/SINGLE GNSS SYSTEMS



UNIVERSAL TOTAL STATION SYSTEM



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