Trimble Compaction Control Systems

CCS900 FOR SOIL COMPACTORS

Trimble offers the heavy and highway contractor the most flexible range of Compaction Control Systems in the industry. From simple 2D pass count systems to high accuracy 3D GNSS systems, Trimble solutions are rugged, easy-to-use, fully upgradeable, portable, and flexible enough to meet a wide range of applications.

Trimble® CCS900 Compaction Control Systems maximize soil compactor performance. Installed as an aftermarket system, retrofit onto any single drum vibratory soil compactor with open or enclosed cab, the system helps achieve target material compaction faster, more accurately, with less rework. CCS900 can detect sub-surface material anomalies, soft spots and hidden obstructions. Problem areas can be excavated, re-graded and compacted, prior to the start of more costly phases of the construction process, such as paving.

Pass Count and Compaction System Configuration – Key System Features:

- Cost effective, simple configuration, capable of sub-meter level horizontal guidance
- Operation using base station-free Satellite-based Augmentation Systems (WAAS, EGNOS, MSAS)
- Displays compaction measurements, pass counts, total machine coverage, provides guidance to the operator
- Indicates areas of over / under compaction, anomalies in the material surface in real time
- Maps and records compaction data
- In-field compaction reports, viewed on the control box, optionally printed out in the cab with portable printer
- Utilizes same system components as Trimble GCS900 Grade Control Systems
- Upgradeable to full-featured 3D high accuracy compaction control capability

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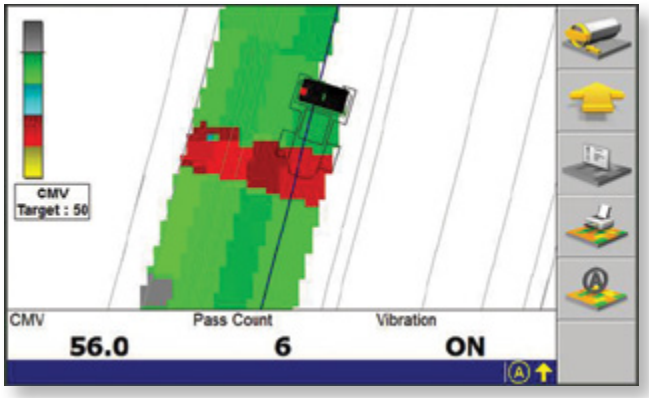
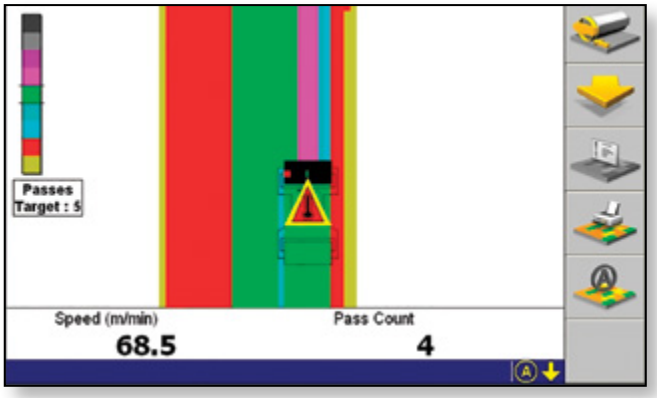
REPORTING AND DOCUMENTATION

In-field reporting and an in-cab printer allow on-site supervisors and quality managers to monitor compaction operations and correct possible issues immediately. Compaction data logs can be wirelessly transferred from the machine to the office for analysis using the web-based VisionLink® fleet, asset and productivity management solution from Trimble.



CMV (Compaction Measurement Value)

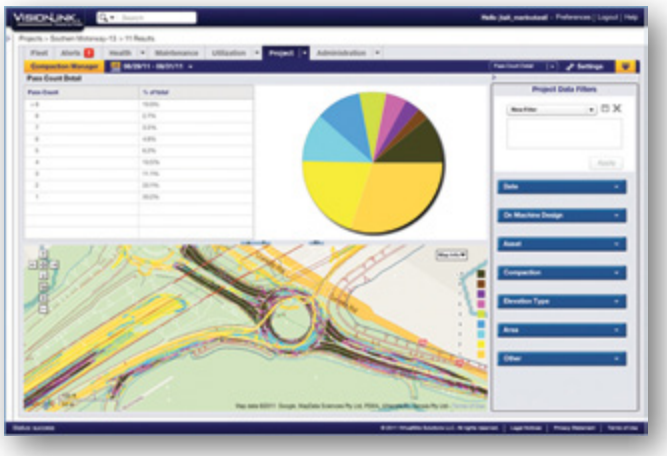


Operator view of pass count mapping

MONITORING COMPACTION IN VISIONLINK

For longer term analysis of compaction operations and productivity enhancements, VisionLink 3D Project Monitoring lets you:

- Continuously monitor pass counts and compaction meter values to improve testing success, reduce rework and lower ongoing maintenance costs.
- Reduce over-compaction to optimize fuel use and machine time.



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