

JUST ROLL

THE TOOL THAT ELIMINATES
UNDER OR OVER COMPACTION



 **Trimble**

Increase Quality

Spend your time doing the job, not doing it over.



Trimble can help you with that.

How

Enter required number of passes.

Start rolling.

Monitor coverage in “real-time”.

Finish faster.

Make every pass count.

What

Affordable, rugged Compaction Control System
that eliminates the guess work,
designed for you.

You asked for it.

ccs Flex

COMPACTION CONTROL SYSTEM

A TRIMBLE SYSTEM FOR YOUR COMPACTOR THAT FITS YOUR BUDGET.

- Easy-to-install
- Easy-to-learn
- Easy-to-use
- **Easy as that.**



Rugged Trimble components that can take all the abuse of HARD WORK!

The Trimble® CCSFlex™ system leverages field proven rugged components used across Trimble's other machine control systems.

Standard out of the box ...



GPS Positioning Sensor

The MS972 provides sub meter accurate positioning of the compactor.

Position information is used to display a pass count coverage map in real time on the in-cab control box.



In-cab Control Box

Provides the operator with visual guidance regarding pass count and compaction by "painting" a map in real time, showing on a color scale the number of passes over each spot.

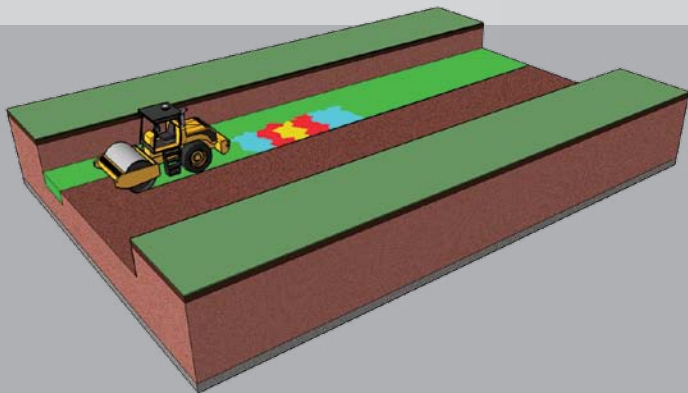
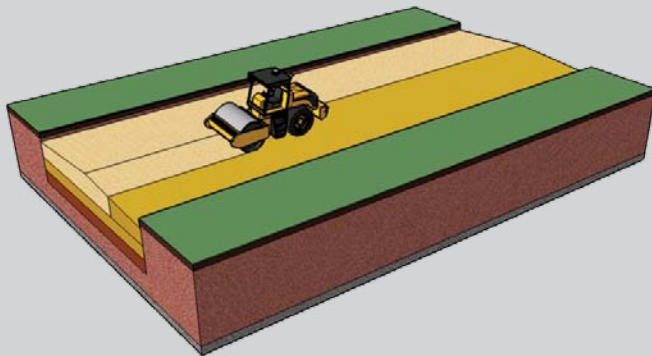


System Cables

The system cables are used to connect the GPS receiver to the in-cab control box. Installation is easy, requiring no drilling or welding.

Consistent Compaction

The powerful on-machine software allows the operator to easily achieve target compaction and more uniform results. Sub-material layers are accurately compacted allowing for faster, better balanced compaction.



Detect problem Areas Early

With the addition of the CM310 Compaction Sensor, the system detects sub-surface inconsistencies, soft spots and hidden obstructions. Problem areas can be excavated, re-graded and compacted prior to further work.

RUGGED CONTROL BOX

Designed for use in harsh construction environments

The CB450 is a full-color graphical display for easy in-cab viewing and real-time guidance. So you can achieve uniform compaction—every time!



View pass count and coverage information in real time

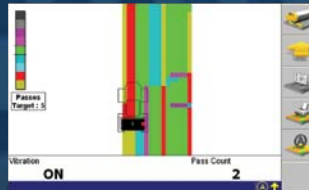
SIMPLE SOFTWARE

Designed to make your job easier

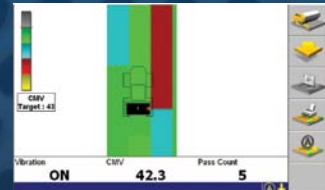
Get started quickly. The highly intuitive CCSFlex software guides you to the exact number of passes required. It provides instant feedback on pass count and compaction quality.



Easily enter required passes for your compaction job



On screen counter provides instant feedback on the number of passes completed



When using the CM310 Compaction Sensor, view compaction values, target level of compaction and problem areas

EXPANDABLE, AS YOUR BUSINESS GROWS.



Higher Accuracy Mapping Option

More accurate positioning can be achieved by adding options to the GPS receiver. System accuracy can be increased to a tenth of a foot (3 centimeters).



Communication devices

For higher accuracy mapping, a communication device provides connectivity to receive signals to compute positioning. It can additionally be used for fleet management.



CM310 Compaction Sensor

The CM310 measures and records the vibratory effort of the soil compactor drum. The sensor provides vibratory parameters and generates soil compaction measurements, including frequency and amplitude, Compaction Meter Value (CMV), Resonance Meter Value (RMV) or drum bounce. Information is displayed on the in-cab control box.



Mobile Printer

A portable printer can be added to the system to print in-field compaction reports and progress reports—making it very easy to fulfill documentation requirements.

TAKE CONTROL

The new Trimble CCSFlex is designed to meet the needs and budgets of owner operators and small to mid-sized contractors involved in a range of earthmoving.

It's the same Trimble quality that's found in the bigger systems, packaged in a smaller unit. With the flexibility of a portable tool, CCSFlex can be installed quickly and accurately.

The CCSFlex is easily installed by you or your dealer in a couple of hours and requires no welding or drilling making it ideal for rental machines. Our SITECH® Technology Dealers provide you with professional training, support and service when you need it—at the time of purchase or 10 years later. You can count on Trimble and our SITECH Technology Dealers worldwide.

“Easy as that!”



PEOPLE AND TOOLS YOU CAN RELY ON

The experienced construction professionals at your local SITECH Technology Dealership can advise you on the appropriate solutions for your projects. They provide high-quality local customer service, personalized training and technical support.

With the addition of Trimble construction technology to your projects, you're in a stronger, more competitive position. You'll experience new levels of productivity that will enable you to earn the bid and be profitable, project after project.

Visit your local SITECH dealer today!
www.SITECH-locator.com





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