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Leica iCON compaction

Achieve higher quality in soil compaction





Experience the unique benefits of Leica iCON machine control solutions in your soil roller. Get your compaction jobs done faster, more efficient and right the first time. Save time and costs by avoiding over or under compaction. Achieve smooth compaction results every time for a long-lasting foundation.

LEICA GEOSYSTEMS MACHINE CONTROL SOLUTIONS

- Simple and intuitive user interface
- Easy installation and quick setup for operators
- Rugged design of cradle and panel
- Docking station with onboard memory

KEY FEATURES OF LEICA ICON COMPACTION

- Compaction Meter Value (CMV) sensor implemented in iCON compaction to provide stiffness indication
- Three use cases available: Pass count, CMV target, delta CMV
- Wireless data transfer between site and office for real-time monitoring of work progress
- Job reports for quality control or payment release via Leica ConX
- Export of compaction data in ConX into Veta data format for post process analysis

KEY BENEFITS OF LEICA ICON COMPACTION

- Easy retroffitable for any roller brand and specification
- Versatility by supporting single/dual GNSS and total station position sensors
- Avoid over and under compaction and save fuel, time and rework
- Improved job site planning

PART OF HEXAGON

leica-geosystems.com

- when it has to be **right**

Leica Geosystems



The all new Leica iCON machine control solution



3D machine control solutions

Leica Geosystems offers 3D machine control solutions for any heavy construction application on your construction site. Leica iCON compaction for soil rollers completes this offering for an application that is extremely important for the long-lasting quality of an infrastructure project or building of any kind. Small quality deviations can have cost-intensive consequences if the compacted ground in each layer is not suitable for the required load.

iCON compaction makes the compaction work for the roller operator and the contractor easier and at lower costs, helping to achieve higher compaction quality with lower risks for any kind of deformations or cracks.

PREPARATION

- Upload project data (xml files) via Leica ConX
- Import layer files with pass count, speed and CMV targets
- Customise the screen for required use case

WORK PROCESS

- Automated logging of work process with GPS coordinates
- Monitor coloured heat map on display for operator guidance
- Work is finished when target is achieved depending on use case

QUALITY CONTROL

- Monitor progress in real time via Leica ConX
- Generate a job report for quality control or payment release

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Leica iCON pave milling flyer



Leica iCON pave asphalt flyer



Leica ConX flyer

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