

Leica iCON roller

Achieve more with visual passcount mapping



icon
intelligent CONstruction

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

KEY BENEFITS OF LEICA ICON

- Built on the same platform as all other iCON solutions
- Simple and intuitive user interface
- Fully customizable 3D or top view of your machine on the site
- Easy installation and quick setup for operators
- Made for daily use on the most rugged of worksites
- Cradle with onboard memory

KEY BENEFITS OF LEICA ICON ROLLER

- Easy retrofittable for any roller specification
- GNSS positioning up to 2 cm accuracy in position
- Coloured visualization of pass count mapping on screen
- Speed monitoring and warning for constant compaction progress
- Avoid over- and undercompaction and following costly rework
- Wireless data transfer for real-time monitoring of progress
- Job reports for quality control or payment release

The all new Leica iCON roller solution



3D machine control solutions

Leica Geosystems offers 3D machine control solutions for grading, dozing, excavating and paving applications. The iCON roller for compaction 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 could have cost-intensive consequences if the compacted ground in each layer is not suitable for the required load.

iCON roller 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 iCON telematics
- Import layer files with pass count and speed targets
- Customize the screen (top or 3D view / off-set view)

WORK PROCESS

- Automated logging of work process with GPS coordinates
- Activate vibration function when applicable
- Monitor colored pass count mapping on display
- Stay within speed window and follow speed warnings
- Work is finished when entire job is covered with targeted number of passes

QUALITY CONTROL

- Monitor progress in real time via iCON telematics
- In case several rollers are on the job, iCON telematics combines the job data to one comprehensive job report
- Generate a job report for quality control or payment release

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Leica iCON gps 80 data sheet



Leica iCON robot 60 data sheet



Leica iCON telematics flyer



Machine Control Solutions

Leica Geosystems AG

leica-geosystems.com



- when it has to be **right**

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