

# iCON site Milling Pilot

## Entry-level GNSS milling guidance



Leica Geosystems' iCON site milling pilot is your first step into digitized GNSS milling. Control the precise cutting depth and gain from increased productivity, higher precision and smoother surfaces by moving away from traditional methods in the re-paving process. Forget about losses in milling quality resulting from vague or missing spray marks. The iCON site milling pilot calculates the difference between the existing and the design surface at the cold planers' current position. In addition, set values at predicted points ahead of the current position are calculated and shown in the iCON control panel.

### KEY FEATURES OF iCON site MILLING PILOT

- GNSS-based milling machine guidance
- 2-step preview of set and cross slope values at predicted points, ahead of the current position
- Two options for data models (actual terrain model against terrain design or actual terrain against stringline design)
- Track, view and sync via Leica ConX

### KEY BENEFITS OF iCON site MILLING PILOT

- Achieve a smoother base and avoid bumps due to 2-step preview (avoid copying-effect)
- Eliminate error-prone process of spray marks
- Save time and money by avoiding over-cutting and the manual steps in site preparation
- Avoid over paving with accurate milling surface according to design model
- Improve job site planning and safety on site
- Well-established and easy-to-use iCON site software



[leica-geosystems.com](http://leica-geosystems.com)



- when it has to be **right**

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# GNSS-based milling guidance



## Leica iCON site – Construction software

Leica iCON site software offers you smart and customized positioning solutions for road construction and civil engineering applications. Improve speed, performance and accuracy when you're enabled to carry out all positioning related tasks with just one easy-to-use software solution.

The Leica iCON portfolio is designed to efficiently connect the different tasks on construction sites. Integrating and connecting the office with the machines and the field increases site productivity and ensures high uptime on site. iCON site is the perfect add-on for machine operation, independent of 2D or 3D usage. With 2D, it provides the machine with the absolute position on site. With 3D, the same data is used in the field on the machine and in the office, increasing data quality and efficiency. As-built checks with iCON site supports all machine workflows on site.

## iCON site Milling Pilot – Workflow:

### PREPARATION

- Capture existing surface for digital road book
- Create reference model (design surface)
- Upload both files into Leica iCON site
- Configure machine settings
- Use single GNSS (Leica iCON gps 60 or Leica iCON gps 70(T)) for positioning sensor on cold planer

### WORK PROCESS

- At x/y, iCON site calculates the set values on left/right side based on the differential surface
- Apply theoretical calculation values in leveling controller of cold planer manually

### QUALITY CONTROL

- Monitor project progress in real time via ConX
- Use ConX for remote support

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Leica iCON pave milling



Leica iCON pave asphalt paving



Leica iCON pave concrete paving

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