

Leica PaveSmart 3D (LMGS-S) for GOMACO Mainline Slipform Pavers and Trimmers



The complete 3D solution for stringless concrete slipforming

Leica Geosystems' unique, world's-first 3D paving control system, was successfully launched over 10 years ago, and is continuously refined, based on our worldwide user community feedback to save you time and money, increase site safety and optimise paving jobsite logistics.

Replacing the stringlines, Leica total stations precisely track the machine's position and elevation. A PC mounted on the machine calculates and compares to the design model's grade and position. Steer and elevation corrections are sent to the GOMACO G21 or G22 controller, which regulates the hydraulics for precise control.

Benefits of Leica PaveSmart 3D (LMGS-S)

- Almost any GOMACO mainline slipform paver can be upgraded to run with Leica PaveSmart 3D (LMGS-S)
- Major cost savings – no installation and maintenance of stringlines required
- High paving accuracy: $\pm 3\text{mm}$ ($\pm 0.01'$) in height, $\pm 10\text{mm}$ ($\pm 0.03'$) in position
- Pave anywhere, any time, no holdups or reliance on stringline crews
- Excellent rideability (smoothness) on highway projects
- Better operational safety and reliability result in greater quality and productivity
- Greatly improved jobsite logistics
- 3D Project data output from any CAD system
- Continuous paving with multiple total stations



- when it has to be **right**

Leica
Geosystems

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Special Applications

Take complex tunnel, bridge and zero-clearance highway paving projects in your stride with PaveSmart 3D. Improved operational safety, higher paving quality and paving performance, resulting in lower costs and higher competitiveness.

9500 Series Trimmers

With no machine modifications required, PaveSmart 3D delivers high precision paving foundation. Fine-trim subgrade or cement-bound material and pave, using only one 3D system and surface model. With no stringlines to introduce errors, material yields can be significantly improved.

Offset Paving

Leica PaveSmart 3D opens up a wide range of Offset Paving applications. With no additional components, the system can be fitted to Offset Paving machines. With high quality and speed, curbs, trenches and median barriers can be built with no need for stringline.

System Components

- Industrial touchscreen PC with USB Data Stick
- PaveSmart 3D Software (LMGS-S)
- TPS1200+ Series or TS30 total stations
- Radio modems
- Dual-axis slope sensor(s)



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