

Leica PavSmart 3D (LMGS-S) for WIRTGEN Slipform Pavers



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 Wirtgen SPS Control System, which regulates the hydraulics for precise grade and steer control.

Benefits of Leica PavSmart 3D (LMGS-S)

- Any WIRTGEN slipform paver can be upgraded to run with Leica PavSmart 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 export from any CAD system
- Continuous paving with multiple total stations



- when it has to be **right**

Leica
Geosystems

Leica PaveSmart 3D (LMGS-S) for Wirtgen Slipform Pavers



Highest quality mainline paving performance

Complex highway, tunnel, rail and airport paving projects – take them all in your stride with Leica PaveSmart 3D (LMGS-S). Improved operational safety, higher paving quality and paving performance, resulting in lower costs and higher competitiveness. Where precision and smoothness of the surface is a prerequisite, Leica PaveSmart 3D system provides first-class results.

System Components

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



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