

Leica PavSmart 3D for Asphalt Pavers



Leica PavSmart 3D for Asphalt Pavers increases your productivity and paving quality

Leica Geosystems' revolutionary PavSmart 3D for Asphalt Pavers eliminates the need to set stringline for any kind of asphalt paving application and gives you total jobsite flexibility and mobility.

Fully automatic grade and slope control using 3D sensor technology means you can pave exactly where and when you want to, not where you're forced to. Free yourself up from the cost and inflexibility of strings, stakes & hubs.

Benefits

- Fully automatic elevation and slope control
- Supports all MOBAmatic (PWM & CAN) and Vögele NaviTronic/NivelTronic levelling systems
- Supports all modern asphalt paver brands
- Puts the project plans directly on the machine
- Puts crews in control of their own work – all paving information available at-a-glance
- Uses Leica Geosystems world-leading 3D sensor technology
- Data import from any CAD design system
- The result of 10 years knowledge and experience from the world's first provider of stringless concrete and asphalt paving, trimming and milling technology
- One supplier, one integrated solution



- when it has to be **right**

Leica
Geosystems

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System Concept

With Leica Geosystems' unique PavSmart 3D control system, the machine is controlled without stringlines. Starting from the project data, the actual 3D position is measured by total station and transmitted to the Leica Machine Computer.

High-accuracy machine-mounted slope sensors provide longslope and cross-slope. The results of this "design-vs-actual" comparison represent the elevation and slope correc-

tions required to keep the machine on-grade, typically within an accuracy of ± 5 mm, depending on jobsite conditions.

PavSmart 3D transmits corrections to the machine

controller which regulates the hydraulics, in a similar way to controlling with the conventional sensors – meaning your crew doesn't need to be retrained to work with 3D.



Feature	Leica PavSmart 3D
One platform for all paving machines	✓
No hubs, stringlines or stakes required	✓
Modular system design – choose Leica Geosystems sensor options depending on your project requirements and budget	✓
Simple 3D project design data format, Leica X-Function compatible	✓
Multiple language support	✓
Simple and cost-effective upgrade path – 3D control for trimmers, mainline concrete pavers, asphalt pavers and road planers all with one system	✓
Low light and night time operation	✓
Designed to survive the harshest jobsite conditions	✓



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