

# Leica PaveSmart 3D for Dynapac Road Machinery



- when it has to be **right**

**Leica**  
Geosystems

# Leica PaveSmart 3D

## Your complete solution for 3D paving & milling

Leica Geosystems' pioneering 3D paving control systems successfully launched over a decade ago, and are continuously refined thanks to our world-wide user community partnership. PaveSmart 3D saves you time and money, increasing site safety and optimizing paving jobsite logistics. Replacing stringlines, Leica total stations precisely track the machine's position and elevation. PaveSmart 3D calculates and compares to the design model's grade and position. Grade and slope corrections are sent to the Dynapac machine's controller, regulating the hydraulics for precise paving or milling results.

### Why choose Leica?

Leica Geosystems' track record in 3D paving and milling is unmatched - hundreds of highprofile infrastructure projects worldwide, since 1999. Airports, highways, tunnels, barrier, curb & gutter & rail track all delivered faster, more accurately, with higher quality and precision and at lower cost, thanks to Leica 3D machine control technology. What's more, Leica's paving application experts are available to consult on your specific project needs; we partner with you, helping transform the way you pave or mill asphalt.

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



### Leica PaveSmart 3D Benefits

- Significant project cost & time savings – no installation or maintenance of stringlines, hubs or stakes required
- Optimizes concrete & asphalt yields by constructing "as-designed" 3D surfaces
- Pave or mill anywhere, any time, no holdups or reliance on stringline crews
- Greatly improved jobsite logistics
- Saves valuable working space in road lane-rental schemes
- Low light and night-time operations are made simpler and safer
- Puts machine crews in control of the job
- High accuracy: up to  $\pm 3\text{mm}$  ( $\pm 0.01'$ ) in height,  $\pm 10\text{ mm}$  ( $\pm 0.03'$ ) in position
- Delivers excellent surface smoothness
- Better operational safety and reliability result in greater quality and productivity
- Data import from any CAD system
- Supports all Dynapac & MOBA levelling system controllers
- Compatible with a wide range of GPS base stations
- Available in any language

# One system does it all – recoup your investment even faster, by equipping your entire Dynapac fleet



## Asphalt Paving

- Long-lasting roads begin with precisely paved, smooth foundations
- Full grade, slope and edge-matching options, saves you material and preparation time



## Surface Milling

- Optimises the milled surface – no height referencing from poor existing surfaces
- Allows for optimal paving smoothness and material savings when re-paving



## Operator-friendly 3D Controls

- See all production information at-a-glance
- Large buttons and high-contrast display for superb daylight visibility
- Designed to resemble traditional levelling systems, with simple & intuitive controls





Asphalt, concrete or earth, shifting it or placing it. Whether you need simple laser height detection for excavators or to control a concrete slipform paver to millimeter accuracy, Leica Geosystems can help you optimize your site productivity with a complete range of machine control solutions. Plan your own upgrade path to full 3D machine control with GPS, terrain modeling software and automatic machine control.

Dozers, graders, excavators, concrete pavers and asphalt finishers are just some of the construction machines that can be fitted with scalable, tough and reliable Leica Geosystems construction machine control systems. With a wide range of support services to choose from, Leica Geosystems helps you master your site..

**When it has to be right.**



**Total Quality Management -  
Our commitment to total  
customer satisfaction**

Ask your local Leica Geosystems dealer for more information about our TQM program.

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