iCON
intelligent COnstruction

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 optimise 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.

Swiss Technology
by Leica Geosystems

TQM
ISO 9001 / ISO 14001

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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Leica Geosystems AG
Heerbrugg, Switzerland

www.leica-geosystems.com

- when it has to be **right**

Leica Geosystems

Leica PaveSmart 3D
For G&Z Paving Equipment

- when it has to be **right**

Leica Geosystems

Leica PaveSmart 3D for Guntert & Zimmerman

The proven solution for 3D paving applications

Leica Geosystems' unique world's-first 3D paving control system successfully launched over a decade ago, and is continuously refined – saving you both time and money, improving site safety whilst optimising your paving jobsite logistics.

Replacing stringlines, Leica total stations precisely track the machine's position, heading and elevation. PaveSmart 3D calculates and compares this to the design model's grade and position. Steer and elevation corrections are sent to the G&Z machine's controller, automatically regulating the hydraulics for precise paving results.

Why choose Leica PaveSmart 3D?

Leica Geosystems' track record in paving speaks for itself; airports, highways, barrier, curb & gutter & railtrack delivered faster, more accurately, with higher quality and precision and at lower cost, thanks to Leica Geosystems' proven 3D machine control technology.
We provide paving contractors a tailored service – Leica Geosystems' paving application experts are ready to consult on your specific project needs; we partner with you, transforming the way you pave concrete.

www.leica-geosystems.com

Leica PaveSmart 3D Benefits

- Major cost & time savings – no installation or maintenance of stringlines, hubs and stakes required
- Precision guidance optimises concrete yields
- Excellent rideability (smoothness)
- Pave anywhere, at any time, no holdups or reliance on stringline crews
- Simplifies jobsite logistics
- Operational safety and reliability means higher quality and productivity
- Low-light and night-time paving are simpler and safer
- High paving accuracy: ± 3mm (± 0.01') in elevation, ± 10 mm (± 0.03') in position
- 3D design data imports from any CAD system
- Placer/spreader systems are compatible with a wide range of GPS base stations

One system does it all –
Recoup your investment faster by equipping your entire G&Z fleet

Mainline Slipform Pavers
Leica PaveSmart 3D interfaces seamlessly with G&Z's NoLine kit for S600, S850 & S1500 pavers; providing flexibility, material savings, precision & ease of use in all paving applications:

- Highway construction
- Airport runways, taxiways & aprons
- Offset & canal applications

Placer Spreaders
Fully-automatic PaveSmart 3D GPS on G&Z placer spreaders maintains production rates and concrete placing accuracy, improving pavement ride smoothness and your potential for higher paving performance bonuses.

No more stringlines means your trucks get in and out faster – even on restricted jobsites – with no risk of damage, delay or stopping production.