Millimeter GPS Paver System

3D Precision Paving Solutions

- High-accuracy grade reference covers entire project - eliminates stringline
- Provides precise vertical measurement for multiple machines and grade checkers
- Use up to four transmitters to extend work area
- Pave transitions, even through horizontal and vertical curves
- Works with existing Topcon GNSS systems
The Topcon Millimeter GPS® paver system combines the field-proven components of Paver System Five with the rugged, high-accuracy Millimeter GPS instruments and sensors. Mounted on the paver is the operator’s interface to the Millimeter GPS Paver System, the GX-60 control box. Able to control the two tow point cylinders independently, the GX-60’s color, graphical screen displays the machine position on the job, and the sensors being used to control the left and right side of the screed, as well as the current elevation and slope.

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**Millimeter GPS Paving**

Asphalt Paver
1. PZS - MC Sensor
2. Slope Sensor
3. GX-60 Control Box
4. MC-R3 GNSS Receiver

Free from Stringlines
The Topcon Millimeter GPS paver system is the world’s first GPS-based millimeter accurate control for pavers. The revolutionary Lazer Zone® technology-based Millimeter GPS uses satellite positioning together with a zone laser reference to give you unparallelled freedom and productivity.

The Topcon PZS-MC Positioning Zone laser receiver with integrated GPS antenna is mounted to the tow arm on the left and/or right side of the paver. Other components on the paver include the Topcon MC-R3 GNSS receiver and a slope sensor or Sonic Tracker II® for slope or elevation control of the screed opposite the PZS-MC sensor.

Lazer Zone®
The Topcon LZ-T5 with Lazer Zone technology operates similar to a standard rotating laser, transmitting a unique signal. Unlike a standard rotating laser that only works in a flat plane, the LZ-T5 transmits a Lazer Zone signal that creates a measuring area 33 feet (10 m) in height.

Positioned anywhere within the Laser Zone, Millimeter GPS Paver System’s PZS-MC sensor instantly computes precise vertical information. No need to incorporate a moveable mast, the Lazer Zone technology determines its elevation automatically. Even if your site has an elevation variance of 10 meters (33 feet), you never have to reposition your instrument or receivers. For sites with significant elevations or large areas, up to four LZ-T5 Lazer Zone transmitters can be linked to cover a larger area and elevation change of more than 130 feet.

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