

Precise 3D Paving Solutions

Millimeter GPS



Precision Paving, Delivered Automatically

High-accuracy grade reference covers entire project

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 field-proven GNSS positioning technology with the rugged, high-accuracy Millimeter GPS instruments and sensors. The versatile control box is the operators interface to the Millimeter GPS paver system and is conveniently mounted in a location ideal for quick and easy access while on the move. Through the control box, graphical 3D-MC software provides the precise machine position on the job, sensor status, paver elevation, and steering control – all critical data needed to successfully automate a concrete paver.

Free from stringlines

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

The Topcon PZS-MC Positioning Zone Laser Receiver with an integrated GNSS antenna is mounted to the left and right side of the paver – both receivers constantly decoding the LazerZone signal for millimeter vertical control. Other components on the paver include the Topcon MC-R3 GNSS receiver containing the latest GNSS tracking technology as well as an integrated radio and cellular communications for RTK corrections.

Lazer Zone®

Unlike a standard rotating laser that only works in a flat plane, the LZ-T5 transmits a Lazer Zone signal 33 ft. in height. This unique vertical zone keeps you productive – eliminating the need to constantly 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 132 ft.



Specifications subject to change without notice.
© 2022 Topcon Corporation. All rights reserved.
7010-2034 F 9/22

www.topconpositioning.com/mmgps