Milling 3D

Topcon's Millimeter GPS System is the World's First GPS based millimeter accurate control for milling machines. Topcon's revolutionary Lazer Zone™ technology based, Millimeter GPS uses GPS positioning together with a zone laser reference to give you unparalleled freedom and productivity. Topcon's Millimeter GPS Milling has the simplicity of a laser, accuracy of a robotic total station, and multiple user capabilities of GPS.

Features & Benefits:

- High accuracy LaserZone™ covers the entire project
- 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 GPS+ systems

3D Milling Testimonial

PZL-1

Positioning Zone Laser Transmitter operates similar to a standard rotating laser, but transmits a unique Lazer ZoneTM signal to provide a working range of 2000ft! Instead of a traditional flat plane, the PZL-1 provides an incredible measuring area of 33ft in height! You can even link up to four laser transmitters for use on large sites to cover a distance of nearly 8000ft with elevation changes of over 130ft! No more taking time out to reposition your laser. With the PZL-1, multiple machines can use the same transmitter, even at different elevations for continuous production!

PZS-MC

The PZS-MC (Positioning Zone Sensor – Machine Control) mounts to your paver in the same manner as traditional laser receivers. Unlike traditional laser receivers, the PZS-MC knows it's exact position within the 33' vertical working range of the PZL-1 at every moment. With its integrated GPS antenna, the PZS-MC antennas continuously and accurately provide elevation and horizontal position information to the Control Box containing the digital site plans.

High Accuracy

Using the mmGPS LaserZone™ transmitters for Vertical referencing the 3D milling system holds a high degree of accuracy in all applications. Strategic placement of the mmGPS transmitters allows the entire project to be covered by mmGPS.

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