

Pavemetrics



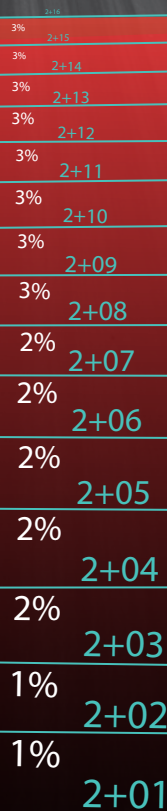
LDTM

Laser Digital Terrain Mapping System

Mapping of Road Surfaces in 3D with Unprecedented Accuracy and Resolution



...
gener...
existing...
speed is all...
accuracy for you



Pavemetrics



LDTM

Laser Digital Terrain Mapping System

SPECIFICATIONS

Physical

- 50 kg total weight (sensors, controller, cabling and data storage PC)

Environmental

- IP65 rated powder-coated aluminum housing

Performance

- 112 million points per second
- 28,000 scans per second
- 4,000 points per scan
- +/- 3mm absolute elevation accuracy; 1 sigma for both straight and curved road sections.

The Right Data

The LDTM is simple to operate and provides the necessary elevation and cross-sectional data to support both 2D, as well as fully-automated 3D, paving.

Integrates with Design Software and Machine Control Systems

The LDTM is fully compatible with Machine Control Systems and provides elevations that can be used directly in design software.

Fastest Scanner on the Market

Faster than all LiDAR scanners, the LDTM can completely scan a lane in just one pass at speeds up to 100 km/h.

Highest Resolution

Higher resolution than all LiDAR scanners, the LDTM provides a staggering 430% more points per kilometer.

More Accurate

More accurate than all scanners on the market, the LDTM provides a vertical per-point accuracy of +/- 3mm absolute on both straight and curved road sections.

