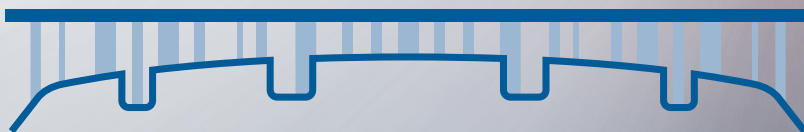


TreadReader™



DriveOver



Fully-automated drive-over scanner



***DriveOver
Ramp***



TOTAL SHOP SOLUTIONS

TreadReader™ DriveOver goes beyond measuring tread depth to deliver data-driven insights that enable smarter service decisions and strengthen customer trust.

This standalone solution delivers fast, hands-free tyre diagnostics and fits seamlessly into modern shop workflows.

Turn every scan into a conversation starter.

Whether highlighting tread wear, alignment concerns, or inflation issues, TreadReader™ provides objective data to support upsell opportunities and explain why a service is needed.



Tyre Readings

TreadReader™ DriveOver provides precise insight into tyre condition with every scan: identifying uneven wear, highlighting borderline tread depth, and tracking performance over time.

By comparing wear patterns across the tyre surface, technicians can quickly diagnose conditions requiring corrective service, improving safety and expanding service opportunities.

Wheel misalignment

Uneven edge-to-edge wear indicates the need to inspect alignment or suspension components.

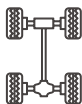
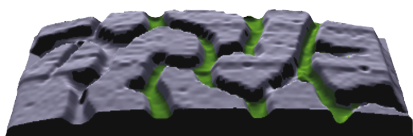
Improper inflation

Wear concentrated at the centre or edges may indicate incorrect tyre pressure; the system flags these conditions for adjustment.

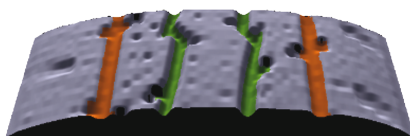
Suspension issues

One-sided wear or alternating high and low spots around the tread could indicate a worn out suspension.

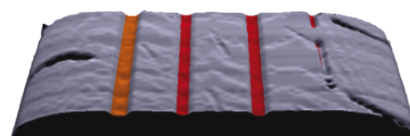
5.7 5.6 5.7 6.3 7.7



3.8 5.4 5.1 3.3



3.0 2.4 2.7 2.7



High-resolution 3D lasers capture up to six tread depth points per tyre, filtering out debris to build a precise pin map of each surface, delivering scan results in seconds with industry-leading accuracy and consistent, repeatable measurements.

From EVs to cargo vans, TreadReader™ DriveOver is engineered for today's diverse vehicle landscape and the evolving technology of the future.

Deliver complete coverage and precise analysis.

- ALPR camera system automatically links scans to vehicle license plates
- Local data processing for fast results and cloud connectivity for reporting, history, and API integration
- Instant data upload of results sent directly to TreadManager™ for reporting and tracking



Scan all four tyres

Most customers present with one known issue; TreadReader™ reveals the full picture.

Highlight borderline wear

Detect tread depth approaching limits before it becomes critical.

Explain with visuals

Colour-coded results and stopping distance graphics strengthen recommendations.

Link with eVHCs (Electric Vehicle Health Checks)

Combine tyre scans with broader vehicle checks.

Build trust

Print or email reports with real tyre images and ALPR-confirmed vehicle identification.

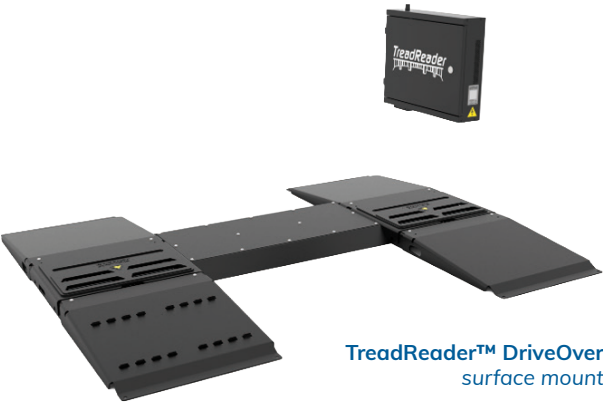
Measure 300,000 points within seconds.

- Rapid, high-precision scans
- Full-width tread coverage captures the entire contact area of each tyre
- High-resolution 3D lasers generate accurate and repeatable tread depth readings

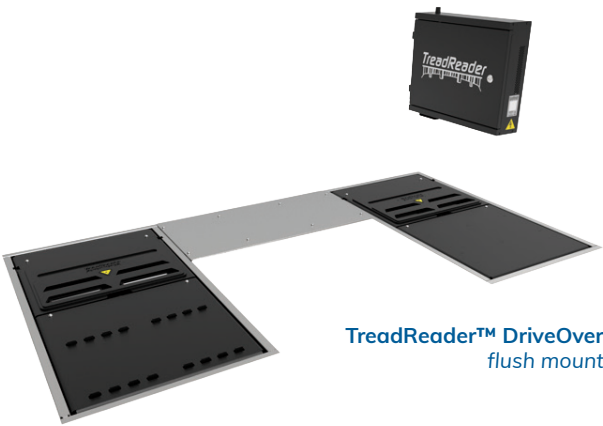


TreadReader™ DriveOver

- Automatic License Plate Reader (ALPR) Camera
- Standalone PC in a control cabinet
- TreadManager™ subscription



TreadReader™ DriveOver
surface mount



TreadReader™ DriveOver
flush mount



Product Specifications	Core	Standard
Maximum axle weight	3000kg	2000kg
Surface mount (WxLxH)	2,200x1,800x97mm (86.5x71x3.5 in.)	
Flush mount (WxLxH)	2,380x1,330x10mm (94x52.5x0.4 in.)	
Laser Class	Class 3R	
Maximum tyre width scanned	2x scan zones of 600mm ≈ 23.6 in.	
Tyre scan length (coverage area)	35-50mm ≈ 1.4-2 in.	
Measurement accuracy	+/- 0.2mm	
Direction	One way	
Maximum vehicle speed	6.5-13km/h ≈ 4-8mph	
Cycle time	12-15 sec	
Power	Cabinet 110-220VAC 1A / Ramp 12VDC 2A	
Air Requirement	N/A	8-10 bar (filtered dried air)
Measurement trigger	Mechanical	
Environmental rating for ramp	IP67 (meets the standard) – CE Approved	
Operating temperature range	0°C-50°C ≈ 32°-122°F	