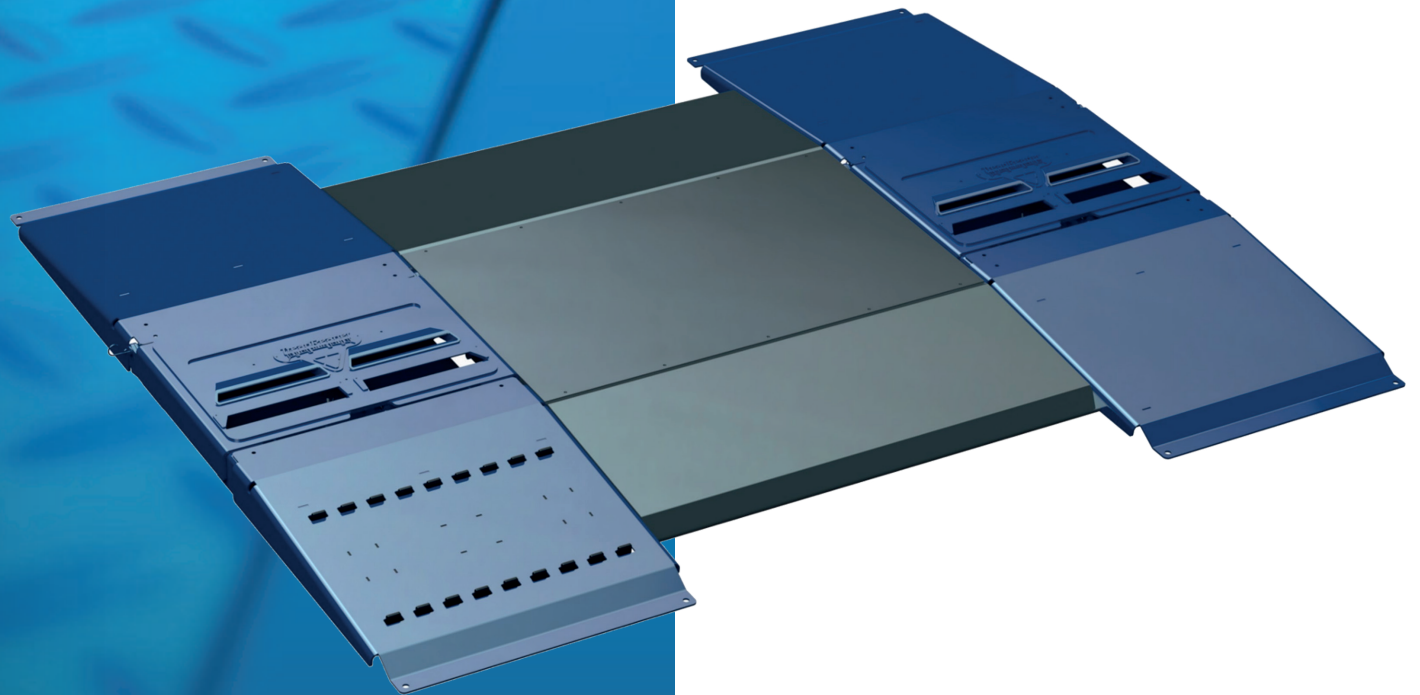# TreadReader

DriveOver
Ramp

Redefining Tire Measurement

Eliminate errors with TreadReader™

The **Tread**Reader™ DriveOver improves the quality of the tires you measure eliminating errors and uncertainty. Just by passing over the patch, the fully automated system triggers up to 300,000 measuring points, essential to ensure the most accurate tread depth and tire wear readings.

Available in three different configurations, the **Tread**Reader™ DriveOver can be surface-mounted, flush-mounted or can also be integrated with other workshop equipment like lifts, wheel alignment machines, brake testing machines and vehicle inspection lanes.

The **Tread**Reader™ meets the highest vehicle inspection volumes suiting more than workshops, but also the highest traffic-volume retail locations such as public car parks, company or rental fleet.


Sell safer rides

The tire conditions have a huge impact on the grip with the road, by optimizing the tire replacement time **Tread**Reader™ maximizes the safety conditions and ensures compliance with legal tread depths or tire replacement policy. The detailed 3D images show the information with absolute clarity, no doubts will remain. Improve your incomes using **Tread**Reader™ to enhance awareness around tire safety conditions, showing your customers the need of tire replacement or wheel alignment.

Measure 300,000 points within 6 seconds

The scan of each tire relies on up to 300,000 measurement points and is used to calculate tread depths with an accuracy of <0.2mm or 0.008". The 3D models of the tire tread and the calculated depths can be viewed on **Tread**Manager™, instantly, a PDF report is generated containing vehicle identification, 3D tire scans with color-coded tread warning and error alarms for every axle/tire position, print or e-mail out the report raising your customer's trust.

Rear Left NSR 80% worn

| mm | 2.9 | 3.4 | 3.7 | 3.8 |
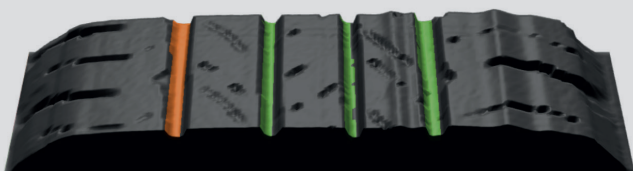
TreadReader™ 3D tire scan

Beyond passenger cars

Accurate tread depth readings for passenger cars, minibuses, light commercial vehicles. **Tread**Reader™ can reveal uneven wear symptomatic of problems such as worn suspension and the calculated data can be imported into different fleet management systems and produce wear analysis or tire lifetime modelling.

TreadReader

TreadManager™
Connect, view, share and integrate

Fully integrated with **Tread**Reader™ HandHeld or DriveOver, the **Tread**Manager™ is a cloud-based tire management platform designed to improve your service productivity and boost sales. It analyzes the tire scans, calculates tread depths and generates the 3D renderings. Plus, stores the scan, car and tire data in a professional way also allowing the service managers to visualize reports on the number of vehicles scanned, technician activity as well as sales opportunities for tires and wheel alignment.
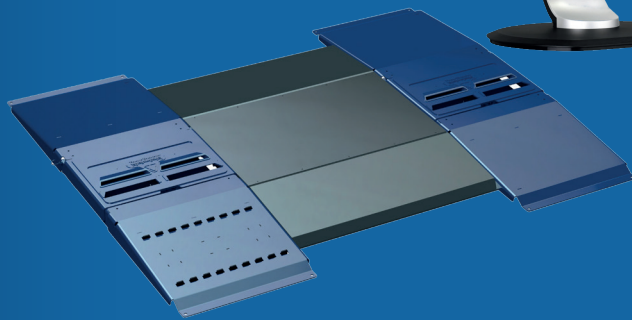
On a desktop monitor or tablet, easily share the reports with customers enhancing tire replacement or related services authorizations. Predict tire lifetime and build trust with customers by helping them take informed decisions about tire replacement.

TreadReader™ integrates with major electronic vehicle health check solution, increasing workshop efficiency and profitability. Additional software integration is likewise available

TreadManager

Drive Over

Perform more

- Identify incorrect tire pressure (under inflation or over inflation);
- Identify uneven wear patterns, misalignment or faulty suspension;
- ALPR automatically captures the vehicle registration;
- Include pictures of the tires in the report, add comments, car and tire information;
- All previous scans are available for visualization at any time on **Tread**Manager™

Features and benefits

Always connected. Unlike other products, **Tread**Reader™ DriveOver does not require wi-fi, the LAN connection provides faster processing without signal interference, moreover, it ensures the data security. Easily visualize and store all information on the **Tread**Manager™ software.

Dirty or wet tires? Not a problem! **Tread**Reader™ ramp sensors are kept clean by the use of air knives and a shutter mechanism.

Make it personal. Set the ramp configuration that suits you better specifying location, tread measuring system (inches or mm), mileage (miles or km), scan direction/first tire.

Accuracy through calibration. Rely on our team to keep your readings accurate by calibrating the system. It is simple to keep your business running.

Different users, different needs. **Tread**Manager™ allows users with different profiles (group admin, workshop admin, staff), each profile is granted with more or less comprehensive control and information avoiding user mistakes when managing the data.

Product Specification

- Surface mount (W x L x H): 2200 x 1800 x 97 mm
  (86.5 x 71 x 3.5 in)
- Flush mount (W x L x H): 2380 x 1330 x 10 mm
  (94 x 52.5 x 0.4 in)
- Total footprint (L x W): 1.38m x 2.09m ≈ 4.5' x 6.8'
- Maximum scan width: 2 x scan zones of 600mm ≈ 23.6"
- Arc length viewed (min): 35-50mm ≈ 1.4-2"
- Measurement accuracy: <0.2mm
- Directional: Measures leading edge of the tire
- Maximum vehicle speed: 6.5-13 km/h ≈ 4-8 mph
- Cycle time within permitted speed range: 12-15 secs (from front

axle of 1st car to front axle of next car including display of scans and measurements)
- Power: Mains (110 - 220VAC, 1A) for Control Cabinet, with (12VDC, 2A) supplied to the ramp
- Measurement trigger: Mechanical
- Maximum axle weight: 1,500Kg
- Environmental protection: Shutter + air knives (compressed air supply required, if portable >100L, >10CFM)
- Environmental rating: IP67 min
- Operating temperature range: 0°C - 50°C ≈ 32°F - 122°F
- Communication: Ethernet

TSS **TOTAL SHOP SOLUTIONS**