DRIVEOVER RAMP

FULLY AUTOMATED DRIVE-OVER SCANNER

STANDALONE DRIVEOVER SOLUTION THAT AUTOMATICALLY SCANS ALL FOUR TIRES IN SECONDS.

3d Laser Sensors Capture System

TSS **TOTAL SHOP SOLUTIONS**

Drive Safer. Sell with Confidence.

From EVs to Cargo Vans, the upgraded TreadReader™ **DriveOver** is engineered for today's diverse vehicle landscape and tomorrow's evolving technology. This standalone, drive-over solution delivers fast, hands-free tire diagnostics with no operator needed and fits seamlessly into modern shop workflows.

Built for EVs, high-mileage fleets, and light commercial vans, if it rolls, you can read it.

Key Capabilities & Features

- **Rapid, High-Precision Scans**
  Full 3D tire scans within seconds, accuracy to +0.2mm

- **All-Vehicle Compatibility**
  Handles up to 5,500 lbs. (2,500kg) per axle—ideal for EVs, passenger cars, and light commercial vehicles

- **Outdoor-Ready Performance**
  IP66 rated ramp - ensure reliable performance in varied environments

- **Advanced Tread Scanning**
  Captures up to six tread depth points per tire for deeper analysis

- **ALPR Camera Integration**
  Matches scans with license plates automatically for accurate tracking

- **Optimized Workflow Speed**
  Operates between 4–19 mph to keep service lanes flowing

- **Cloud-Connected Intelligence**
  Sends results to the TreadManager™ platform for branded reports, scan history, and API integration with CRM or fleet systems

- **Industry Leading Accuracy**
  Advanced 3D laser technology builds a high-resolution pin map of each tire, filters out debris, and delivers consistent, repeatable measurements

- **Data Ownership**
  Shops retain full ownership of scan data, ensuring complete control and peace of mind

DRIVE OVER

How It Works

The TreadReader™ **DriveOver** operates as a fast, touchless solution. As the vehicle passes over the scanner, 3D laser sensors capture full tread data from all four tires in just a few seconds, with no need for the vehicle to stop or for a technician to be involved.

- **Drive-Over Scanning:** No stopping or technician interaction required
- **Full-Width Tread Coverage:** Captures the entire contact area of each tire
- **High-Resolution 3D Lasers:** Delivers accurate and repeatable tread depth readings
- **ALPR Camera System:** Automatically links scans to vehicle license plates
- **Local Data Processing:** Core scan processing happens directly on the unit for fast results, with cloud connectivity for reporting, history, and API integration
- **Instant Data Upload:** Results are sent directly to TreadManager™ for reporting and tracking

Automatic License Plate Recognition (ALPR)

The TreadReader™ **DriveOver** uses ALPR technology to streamline record matching. ALPR requires an internet connection and can capture either the front or rear plate.

TreadManager™

The TreadReader™ **DriveOver** software is a free, web-based platform with no software installations or subscription fees required. It manages scan data, customer reports, and shop performance.

Full Width Tread Coverage + 3D High Resolution Lasers

Measure 300,000 Points Within Seconds

TreadReader™ **DriveOver** goes beyond measuring tread depth—it delivers the data-driven insights needed to make smarter service decisions and strengthen customer trust. With over **300,000 high-definition data points** captured in every scan, it identifies uneven wear and potential issues before vehicles even leave your lot.

Rear Left NSR 80% worn
inches

$3/32$ $6/32$ $6/32$ $3/32$
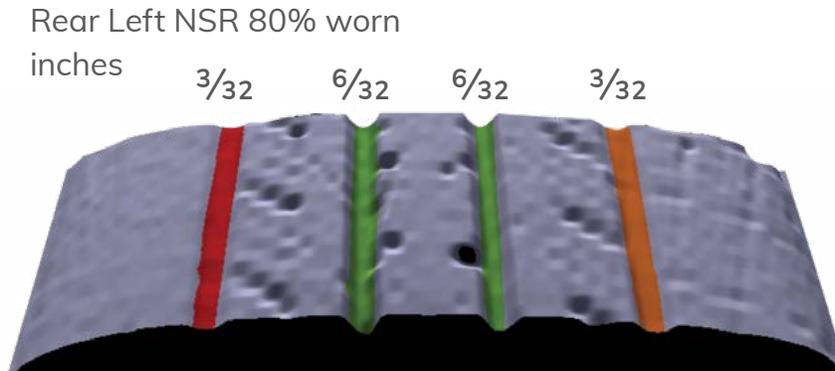
The TreadReader™ DriveOver system delivers precise insights into tire condition with every scan. It helps identify uneven alignments, spot borderline tread, and track tire performance over time.

This creates consistent service opportunities, boosting alignment and tire sales, giving customers clear proof they can trust.
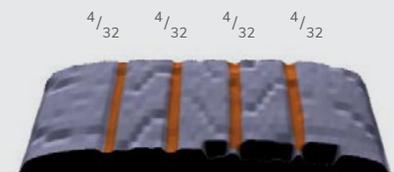
Monitor Tire Wear Trends

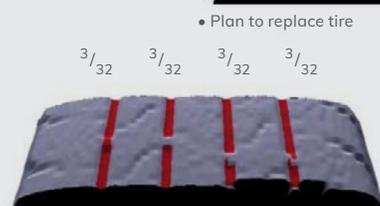See how tread depth changes across visits

$10/32$ $11/32$ $11/32$ $11/32$
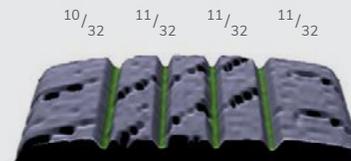
Catch Early Signs of Misalignment

Identify uneven wear before it leads to bigger issues

$4/32$ $4/32$ $4/32$ $4/32$

Identify Safety Risks

Quickly flag tires that fall below legal or recommended limits

• Plan to replace tire

Build Trust With Proof

Show actual scans to explain recommended services

$3/32$ $3/32$ $3/32$ $3/32$

• Replace tire immediately

Tire Wear

The TreadReader™ **DriveOver** provides detailed tire wear analysis to help identify potential alignment or inflation issues. By comparing wear patterns across the tread, technicians can quickly diagnose conditions requiring corrective service, improving vehicle safety and expanding service opportunities.
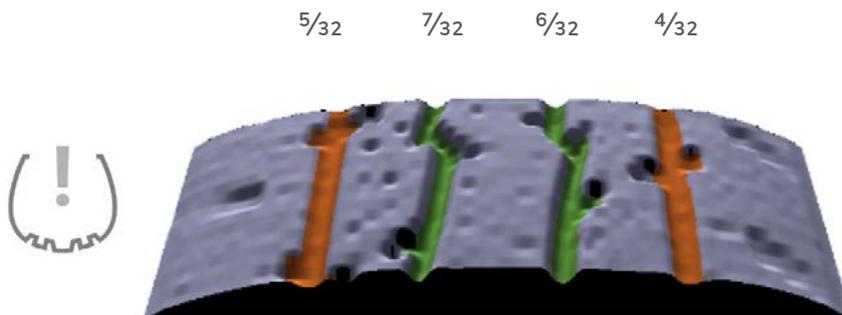
Wheel Misalignment

Detects irregular wear that may indicate the need for an alignment inspection.

Inflation Issues

Flags wear patterns linked to over or under inflated tires.

$7/32$ $\quad$ $7/32$ $\quad$ $7/32$ $\quad$ $8/32$ $\quad$ $10/32$
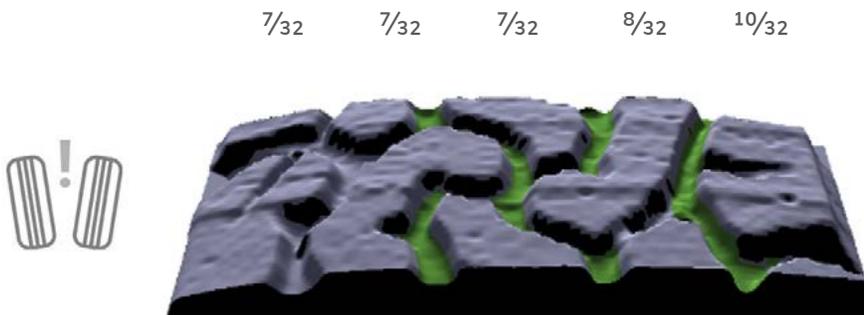
• Check wheel misalignment

$5/32$ $\quad$ $7/32$ $\quad$ $6/32$ $\quad$ $4/32$

• Plan to replace tire
• Check tire inflation

DIVERSE VEHICLE PROFILES

The TreadReader™ DriveOver is built to accommodate the wide variety of vehicle types commonly serviced in North American workshops, from passenger cars to light commercial vehicles. With a maximum axle load of 5,500 lbs. (2,500kg), the system delivers accurate results across diverse vehicle profiles.

- **Vehicles:** Sedans, coupes, hatchbacks, and crossovers
- **SUVs & Pickup Trucks:** Standard and light-duty models (up to 5,500 lbs. / 2,500kg per axle)
- **Light Commercial Vehicles:** Vans, service trucks, and delivery vehicles (up to 5,500 lbs. / 2,500kg per axle)
- **Electric Vehicles (EVs):** Including Tesla, Rivian, and other EV platforms within the supported axle weight
- **Fleet-Ready Performance:** Scan history and reporting support preventive maintenance scheduling and help reduce downtime for fleets and commercial vehicles

Tread Smarter. Sell More. Keep Every Vehicle Safer.

- No setup or selection needed—reads each vehicle automatically
- Adapts to varied wheelbases and tire widths without slowing down
- Built for high-volume service lanes with mixed vehicle traffic
- Keeps every bay moving with consistent scan performance

TreadManager™

Turns every scan into a conversation starter.

Whether highlighting tread wear, alignment concerns, or inflation issues, the system equips the shop team with objective data to support upsell opportunities and explain why a service is needed.

- **Tire Replacement**
  Flags below-limit or unevenly worn tires

- **Wheel Alignment**
  Identifies edge wear patterns linked to steering or suspension issues

- **Tire Rotation**
  Detects uneven wear across axles to maintain performance

- **Tire Pressure Check**
  Highlights signs of overinflation or underinflation

- **Fleet Service Scheduling**
  Uses scan history to promote preventive maintenance packages

- **API Integration**
  Offers API connectivity for seamless integration with shop management systems

TreadManager™ helps eliminate guesswork by giving customers a clear, visual understanding of their tire condition. Real scan images, color-coded tread results, and branded reports provide transparency that builds trust in technician recommendations and improves service acceptance.

- **Visual Evidence Builds Trust**
- **Side-By-Side Tire Views**
- **Clear Color Coding**
- **Branded Reports**
- **Improves Conversion Rates**

TreadReader™

DriveOver

TreadReader™ DriveOver Includes:

- Camera for Automatic License Plate Reader (ALPR)
- Standalone PC in a control cabinet
- Shipped as one package
- Triple-coated metalwork to prevent corrosion
- TreadManager™ web based application with free subscription

Product Specifications

Maximum Axle Weight	5,500 lbs. / 2,500kg
Surface Mount (W X L X H)	86.9" x 71.6" x 3.8" (2207 x 1820 x 97mm)
Laser Class	Class 3R
Maximum Tire Width Scanned	2x Scan Zones of 600mm ≈ 23.6"
Length Of Tire Scan, Amount Of Tire Scanned	35-50mm ≈ 1.4-2"
Measurement Accuracy	+- 0.078" (+/- 0.2mm)
Direction	One way
Maximum Vehicle Speed	2.5 to 6mph / 4 mph optimal 4 to 12 km/h / 6 km/h optimal
Cycle Time Within Permitted Speed Range	12-15 secs
Power Supply	Mains (110–220VAC, 1A) for control cabinet, with 12VDC (2A) supplied to the ramp
Measurement Trigger	Mechanical
Environmental Rating For Ramp	IP66(ramp) and IP40(PC Cabinet)
Operating Temperature Range	0°C - 50°C ≈ 32°F - 122°F
UL/CSA Approved	YES - cMETus

LEARN MORE

treadreader.com/en/driveover

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