

Quick Tread™

Drive over tread depth system

NEW!



HUNTER
Engineering Company

Quick Tread™ At-A-Glance

Driven by Hunter's award-winning WinAlign® software, Quick Tread™ — Hunter's drive over tread depth unit — automatically measures the tread depth of each tire in seconds.

Quick Tread measures tread depth, analyzes the data on-site and instantly displays results on your Quick Check™ console.*

Quick Tread operation **does not require an internet connection** and there are **no recurring monthly charges**.

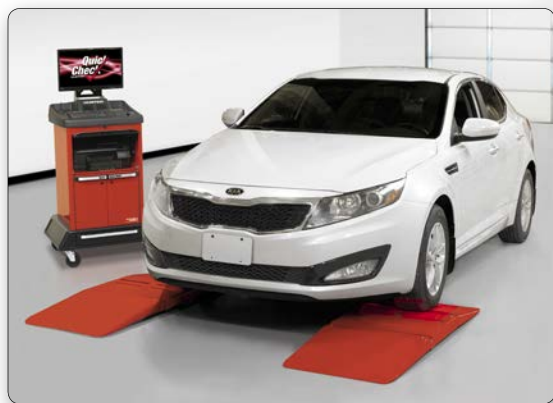
Results in 10 seconds

- ✓ Eliminate trips around vehicle
- ✓ Capture accurate tread info on **all** vehicle traffic
- ✓ No technician needed to determine tread depth



Track Data with HunterNet™

- ✓ Store tread depth records
- ✓ Use customer history in your marketing efforts



*Quick Tread requires a Quick Check console.

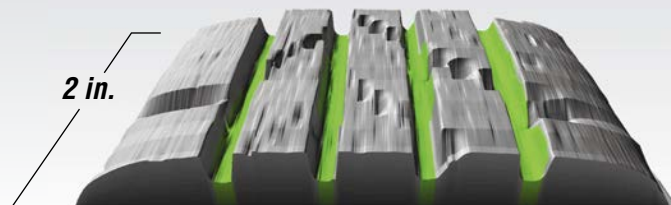
Built-In Accuracy

- ✓ Eliminate human error and guesswork



Point Cloud Measurement Technology

- ✓ Measure a two-inch tire segment, not a single point
- ✓ 280,000 data points (800x350)
- ✓ Generate three-dimensional models of the customer's tire



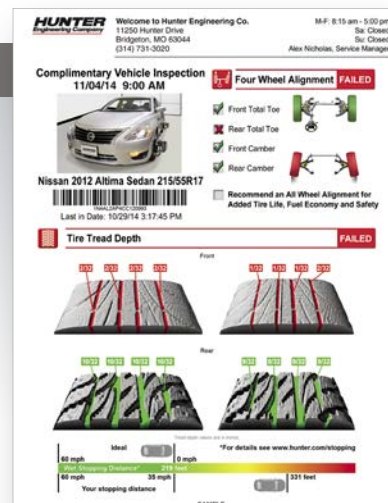
Durable Design

- ✓ Powder-coated stainless steel construction to resist corrosion
- ✓ Self-cleaning air knife
- ✓ Mechanical shutter protects sensors
- ✓ Completely sealed sensor housing protects electronic components



Customizable Printouts*

- ✓ Easy-to-understand printouts help sell tires
- ✓ Multiple printout options
- ✓ Displays up to six measurements per tire



SIGMAVISION

Developing Quality Technology

Featuring SigmaVision's patented tire measurement technology, Hunter's drive over tread depth measurement system is the industry's fastest and most accurate. See SigmaVision's U.S. Patent No. 8625105 to learn more.

Inferior Tread Depth Measurement Methods

Basic Hand-Held Measurement is Obsolete

Prior to digital measurement technology, tread depth was measured using a hand-held, plunger-type measurement tool.

- ✓ Measurements often written down, creating additional paperwork
- ✓ Required technicians to manually interpret each reading
- ✓ Accuracy could vary by $\pm 3/32$ or more depending on operator



Random Line Scan Measurement

Other drive over tread depth measurement tools collect data points across a single line of a tire.

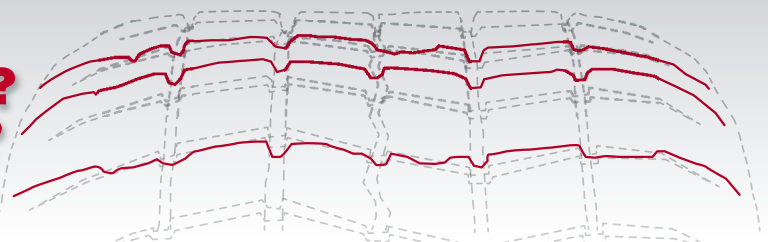
- ✓ This small amount of data is used to measure overall tire health
- ✓ The results can vary greatly depending on what part of the tread is measured



Results displayed as a single line

Single-line scans can vary greatly.

Sipes and other obstructions can affect the results of a single-line scan — even scans taken in close proximity to one another.

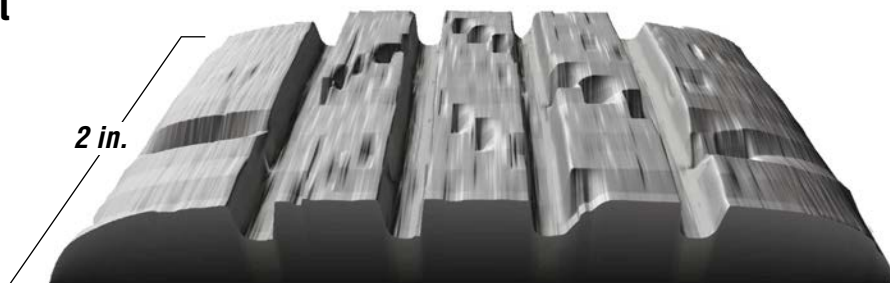
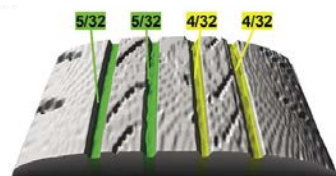


Hunter's Quick Tread™ Method

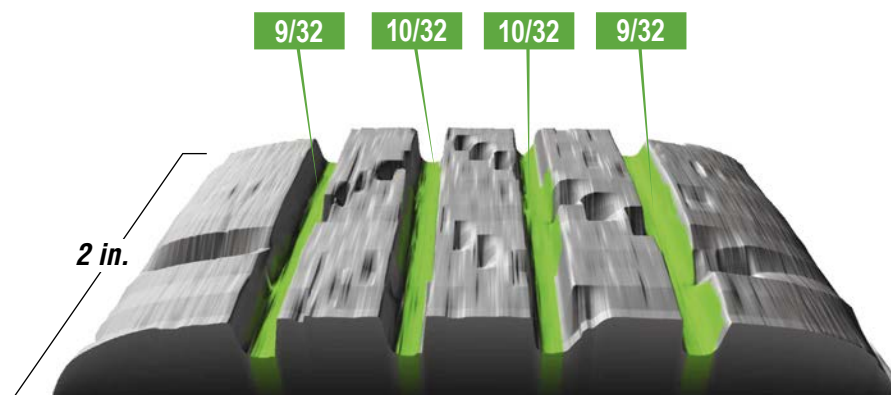
More Data Means a More Accurate Assessment

Hunter's Quick Tread™ system collects **280,000 data points** (800x350) across a two-inch segment of the tire.

- ✓ Large data sample generates a **point cloud** — a three-dimensional representation of the two-inch testing segment
- ✓ More accurately measures overall tire tread depth
- ✓ Color-coded results quickly relay good, marginal or bad treads



Results displayed as 3D model of customer's tire.

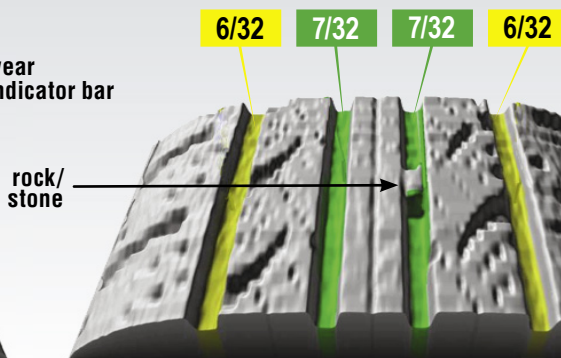
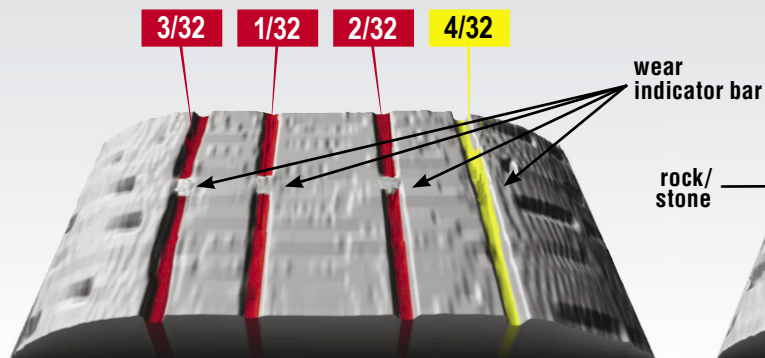


Accurate tread depth calculated for each groove.

What about rocks, stones or wear indicator bars?

Single-line scans can't calculate for non-tread wear factors.

Quick Tread's point cloud scan is able to account for these issues and return the most accurate measurements.



Tread Depth Affects a Vehicle's Stopping Distance

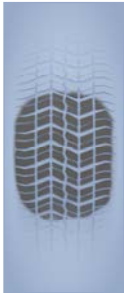





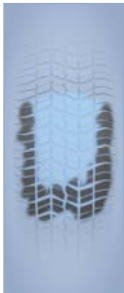


Tire tread depth is important because a tire's grooves squeeze out water, debris and snow so tires can hit the road and keep the vehicle running safely.

As tires wear, the grooves become shallow and compromise the tire's ability to make solid contact with the road. As tread depth decreases, the vehicle's wet weather stopping distance increases.



Proper Tread Depth Means Control in Wet Conditions

Darker area represents amount of tread making contact with the road surface at varying conditions.

	10/32"		4/32"		2/32"	
AT REST	New tires show clearly defined tread ensuring efficient water displacement.		When comparing stationary tires, little difference in tread definition between new tire tread and a tire worn to 4/32" is obvious.		At the minimal tread depth, tread definition is barely visible — already illustrating that water displacement will be inefficient.	
45 MPH	Any tire in motion will lose some contact with the road, but tires with well-defined tread will maintain better contact.		Unable to displace water efficiently, water begins to pool at the front of a tire with worn tread.		Tires with severely worn tread have far less contact with the road and allow a dangerous amount of water to pool at the front of the tire.	
60 MPH	At high speeds, even tires with well-defined tread cannot sufficiently displace water. Eventually, only the sides and back of the tire will make contact with the road.		Tire's center has no contact with the road. With only the sides of the tire somewhat in control, high-speed road travel is hazardous on slightly worn tread.		At high speeds, with minimal tread depth, water can no longer be displaced properly, lifting the tire off the road surface — hydroplaning out of control.	

Tire Wear & Wheel Alignment

Low tread depth does not always mean a vehicle is out of alignment

While tread depth measurements are useful for recommending tire replacement, tread depth results alone are **not sufficient for recommending wheel alignment**.

- ✓ Tire wear patterns, which frequently result in *tread depth deterioration*, are permanent and will remain until the tire is replaced.
- ✓ Even after a proper wheel alignment, the tire will still be flagged with irregular tire wear when tested.
- ✓ By the time a tire shows signs of irregular wear it is **too late** as most of the useful life of the tire is already passed.

Q: *What happens when a recently aligned car with tire wear is tested again using the tire wear pattern to indicate alignment need?*

A: *It will incorrectly indicate alignment need!*



Measure more than tire wear for accurate wheel alignment assessments*

Hunter's Quick Check™ alignment inspection system captures total toe and camber measurements to accurately diagnose tire wear angles.

- ✓ Total toe and camber measurements can be used to recommend alignment service.
- ✓ Hunter's accuracy ensures your shop will capture the most wheel alignment opportunities possible without false alarms.
- ✓ Alignment problems can be detected early, before the tire has a permanent irregular wear pattern.

Did you know?

Over 50% of vehicles on the road are in need of alignment, yet less than 6% can be accurately identified using tread wear indicators alone.

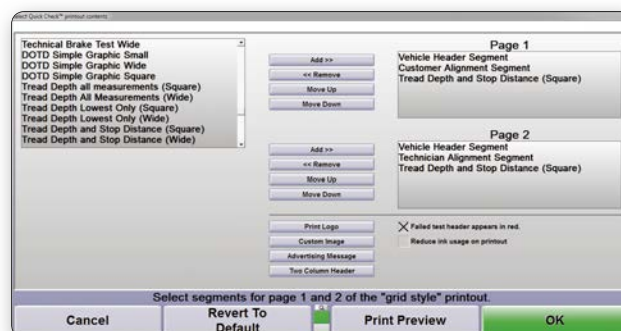


* Requires system with Quick Check alignment sensors.

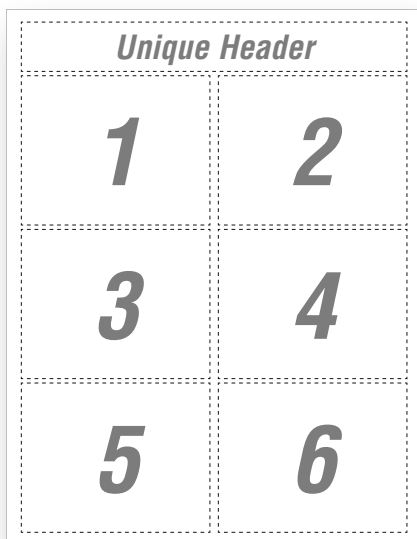
Customize Your Printouts

Build a printout layout that is unique to your business and uses all of the available space on the printout.

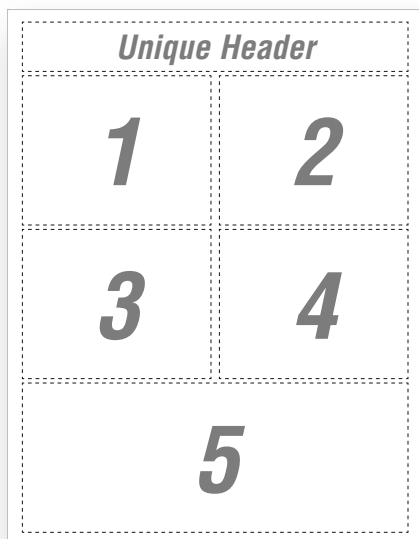
- ✓ Include your shop's logo, an advertising message, coupon, or any other services
- ✓ Provide customers up to two printouts — displaying simple and/or technical information — or keep one for your own records
- ✓ Select the format that has the highest impact with your customer



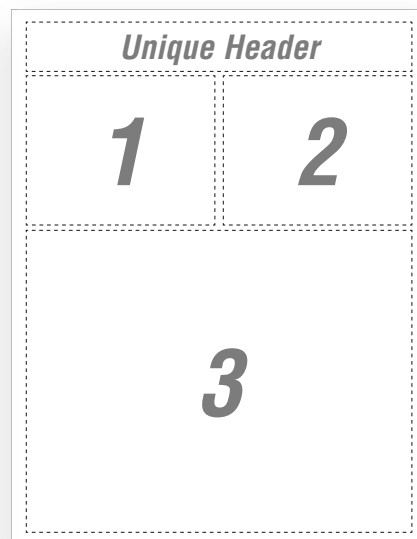
Choose the best printout for your business



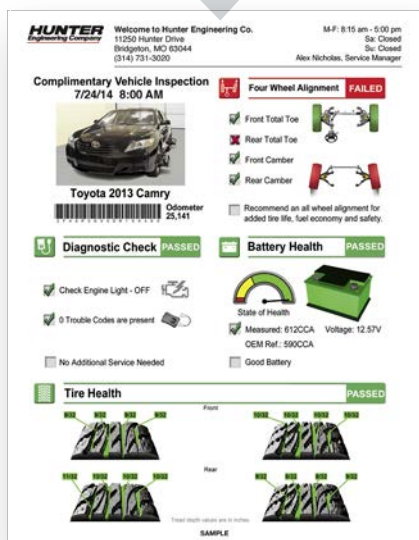
Up to 6 customizable modules per page



Customize to fit your shop's unique needs



Highlight the features that will sell your services best



Reporting Tools for Managers

Using work management tools, shop managers can track statistics and generate reports.

- ✓ Breakdown “repair opportunities found” vs. “repair orders generated” by the week, month, year or lifetime
- ✓ Analyze tread depth results and failure rates
- ✓ Remote access of data available with an Internet* connection using HunterNet™



See your service opportunities virtually anywhere, anytime.

Over 325 Highly Qualified Local Service Reps

Hunter Service Representatives provide:

- ✓ Installation of new equipment
- ✓ Training in the operation and care of new equipment
- ✓ Warranty service for new products
- ✓ Continued service for the life of Hunter equipment
- ✓ Same-day or next-day emergency service

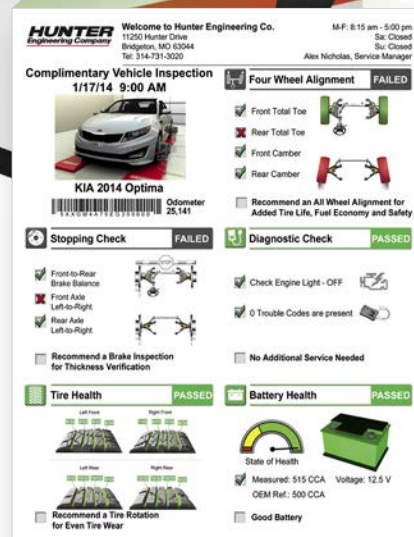


* While an internet connection is not required for Quick Tread operation, one is required to access the enhancements offered by HunterNet.

Connect Quick Tread™ to Hunter's Popular Quick Check™ System

The new Quick Tread™ can easily be added to existing Quick Check™ inspection systems, which provide valuable information in just three minutes about a vehicle's:

- ✓ wheel alignment
- ✓ brake performance
- ✓ battery health
- ✓ diagnostic check (emissions)
- ✓ inflation



Wheel Alignment



- ✓ Fast verification of alignment need
- ✓ Boost traffic to most profitable undercar service

Stopping Check



- ✓ Wheels tested individually
- ✓ Tests brake force at each wheel and overall vehicle deceleration

Battery Health



- ✓ Tests battery to OEM specs
- ✓ Sends results to console wirelessly in 10 seconds

Diagnostic Check



- ✓ Retrieves emission system codes
- ✓ Wirelessly transfers important vehicle information to console

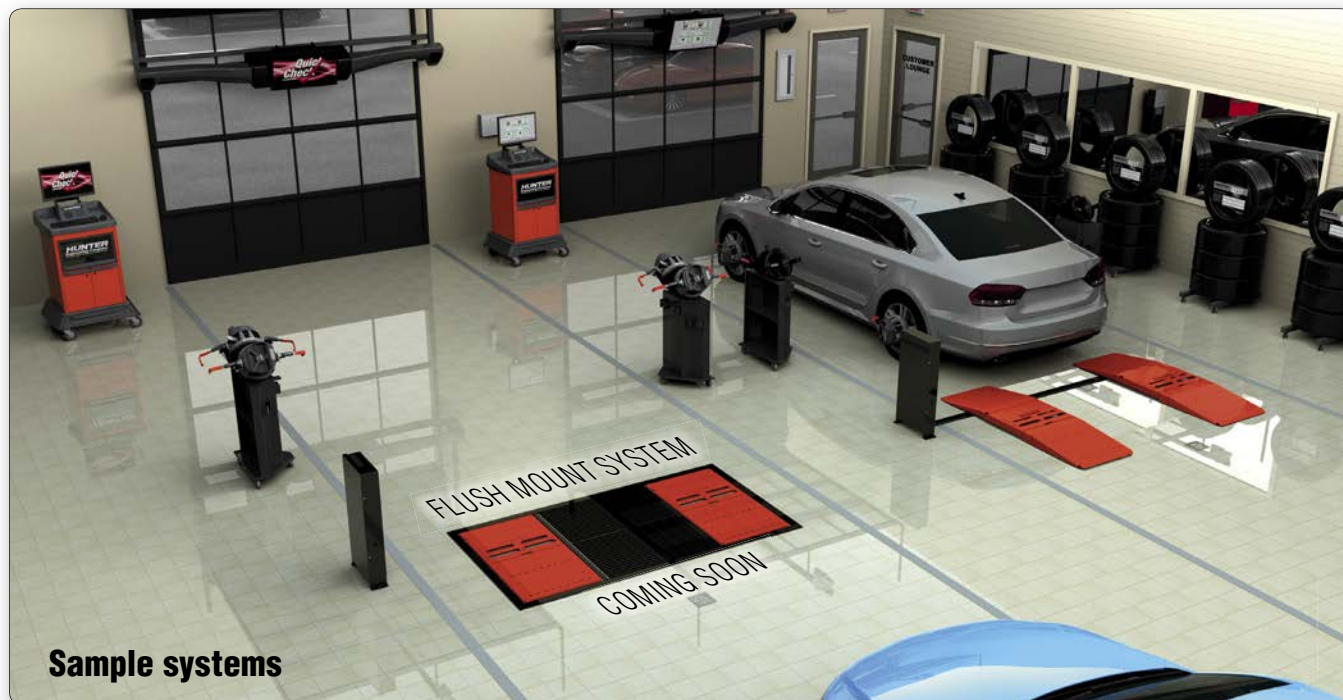
Tire Pressure*



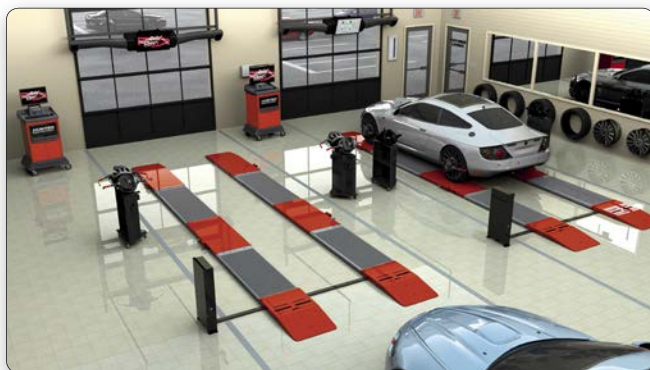
- ✓ Automatically adjusts air pressure to user-entered OEM spec
- ✓ Records before and after pressures

Configurations for every shop*

The new Quick Tread™ can be installed as a surface mounted unit or as a flush mounted unit and can be ordered individually or integrated with a new or existing Quick Check system.



Drive under Quick Check alignment with Quick Tread



** Hunter Quick Check console with WinAlign 14.3 (or greater) required.*

Quick Tread – Stand Alone

Surface-Mounted



Site Specifications

Power Requirements	115/230v, 15 amp* 50/60 Hz 1 ph†
Air Supply Req. (IS Units)	90-150 PSI (6.2-10.3 bar)
Min. Concrete Spec.	3 in. (76 mm) thick, 3000 PSI (20,700kPa) rating
Grout Spec.	only required when needed to level sensors
Max. Longitudinal Slope	1/4 in. per foot (6.4 mm per meter)
Max. Lateral Slope	1/16 in. per foot (1.6 mm per meter)

Product Specifications

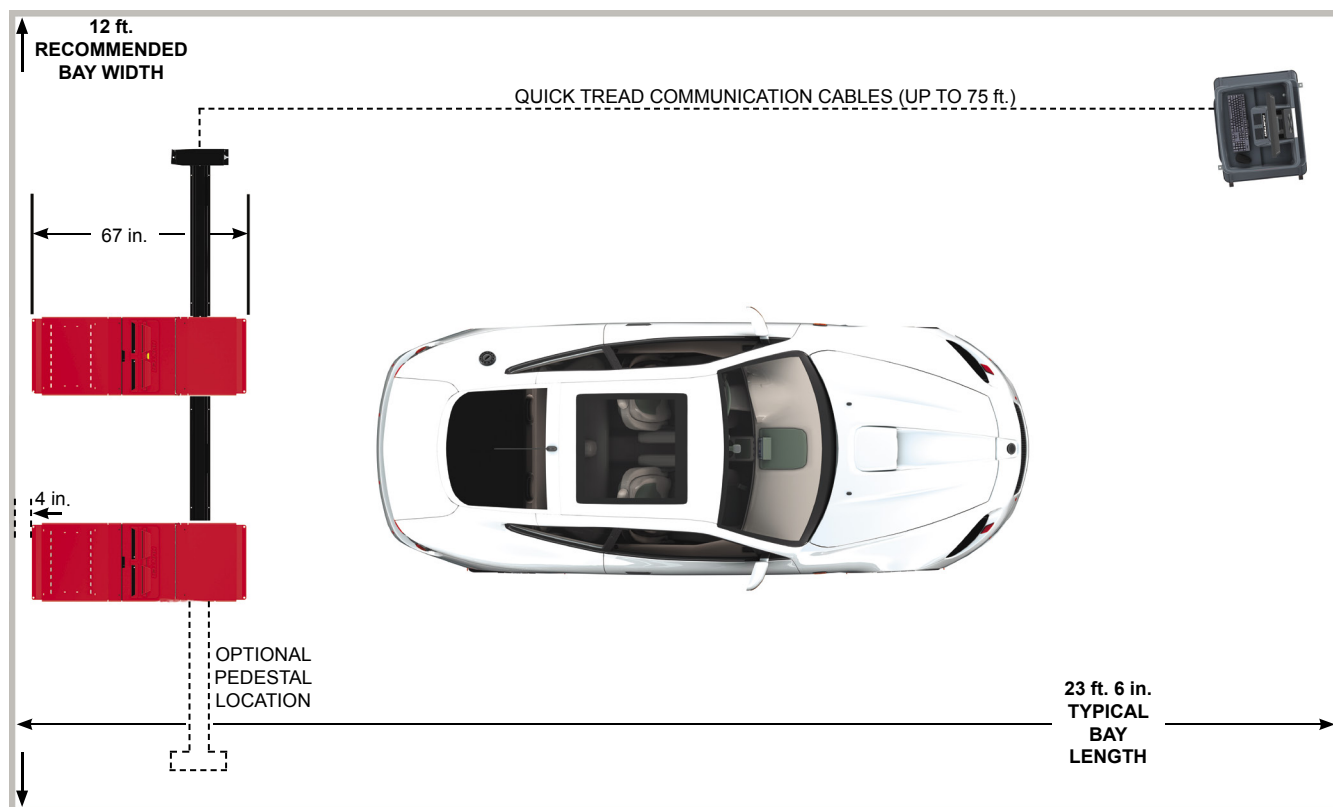
Max. Wheel Weight	3500 lb. (1588 kg) per wheel
Test Entry Speed	2 to 8 mph (3-13 km/h)

Shipping Weight

Quick Check Cabinet	290 lbs (132 kg)
Quick Tread	530 lbs (241 kg)

* Amperage shown is minimal circuit rating.

† Isolated ground recommended.



**Please see your Hunter Sales
Representative for details**

Be sure to check out other Hunter literature for more
quality products from Hunter Engineering.



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