Quick Tread®

Automatic Drive Over Tread Depth System

Now with Quick ID™



Ford | Lincoln Rotunda

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

SIGMAVISION

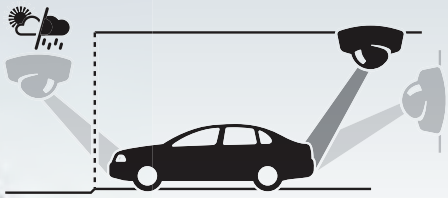
Developing Quality Technology

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.

**Quick Tread® requires a Quick Check® console.*

New! Quick ID™ *

- ✔ Automatic vehicle identification system
- ✔ Streamline intake process
- ✔ Perform inspections faster and easier
- ✔ No additional labor required



Flexible camera mounting options



Point Cloud Measurement Technology

- ✔ Measure a two-inch tire segment, not a single point or line
- ✔ 280,000 data points (800x350) eliminate outliers
- ✔ Generate three-dimensional image 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



Two Mounting Options

Flush-Mount System *(shown left)*

- ✔ Smooth approach, zero obstructions
- ✔ Clean, level grade installation

Surface-Mount System *(shown below)*

- ✔ Low stack height (3.5 in.)
- ✔ Simple installation



Customizable Results**

- ✔ Easy-to-understand results help sell tires
- ✔ Multiple format options
- ✔ Displays up to six tread measurements per tire



Vehicle OE warranty policies vary, please consult OE guidelines when establishing vehicle inspection policies.

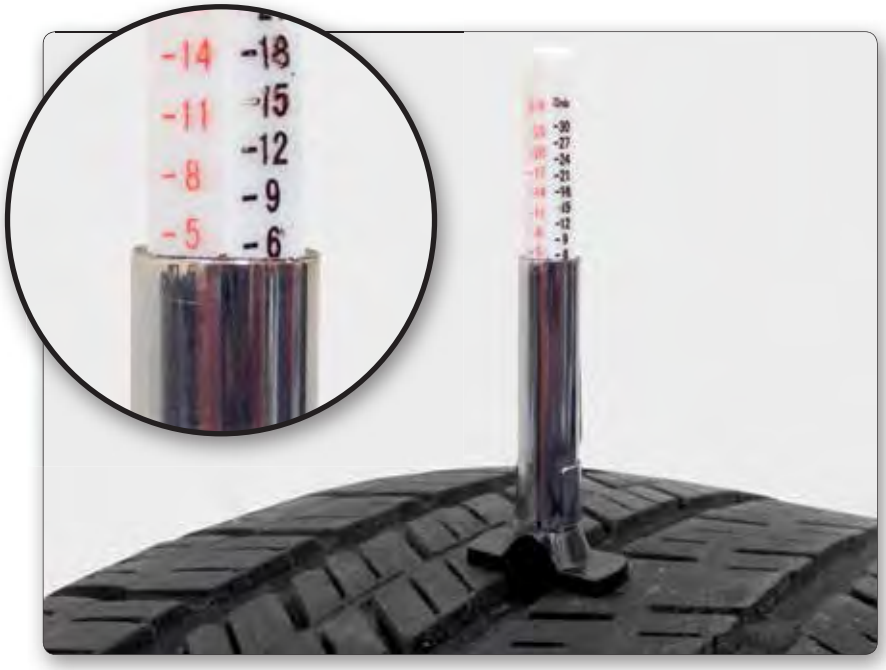
** Quick ID not included, sold separately*
*** Sample results shown requires system with Quick Check® alignment sensors.*

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 ±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.

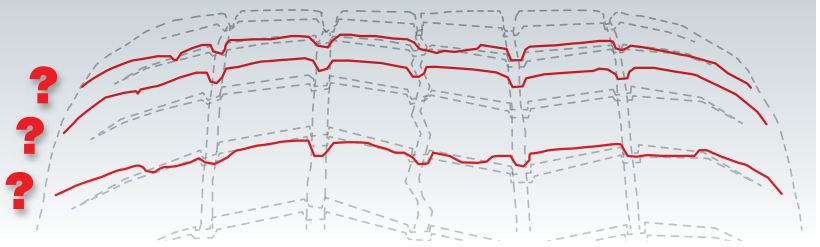
- ✔ This small amount of data is used to measure overall tire health
- ✔ The results can vary greatly depending on what part of the tread is measured



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

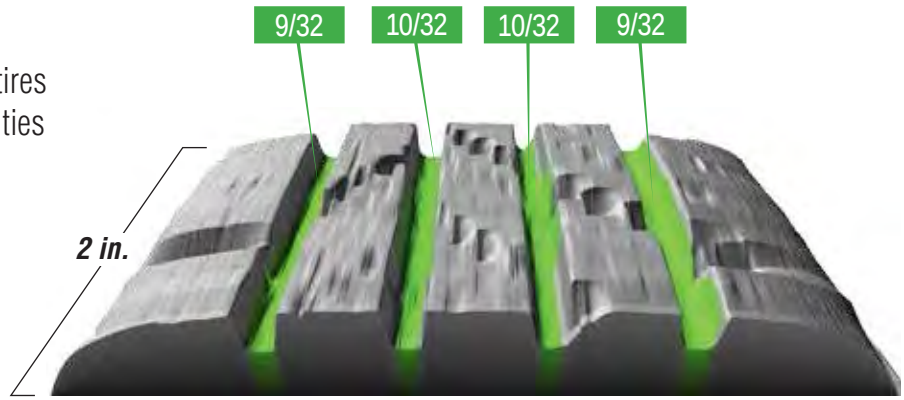
More Data Means a More Accurate Assessment

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 image of the two-inch testing segment
- ✔ Edge-to-edge measurement
- ✔ More accurately measures overall tire tread depth
- ✔ Precisely measures wet and dirty tires to maximize uptime and opportunities
- ✔ Color-coded results quickly relay good, marginal or bad treads



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

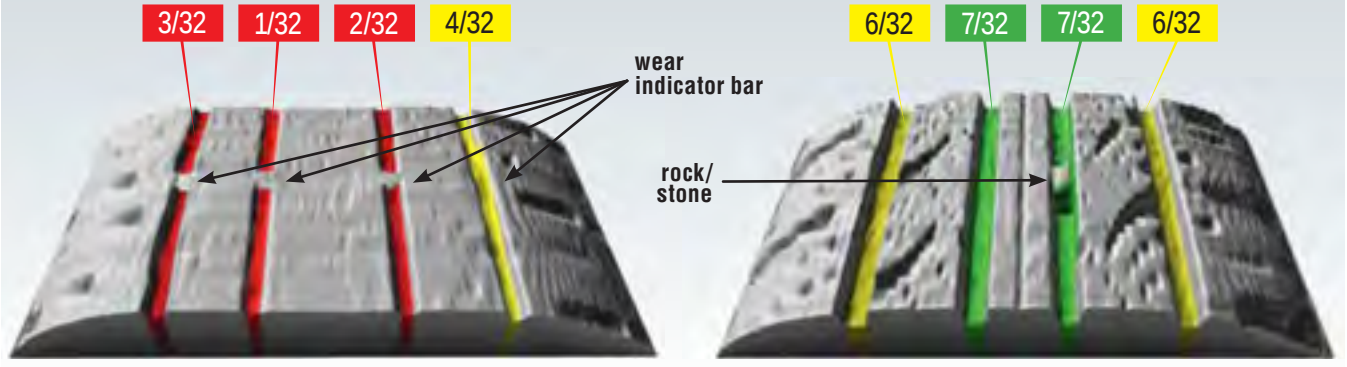


Accurate tread depth calculated for each groove.

What about rocks, stones or wear indicator bars?

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

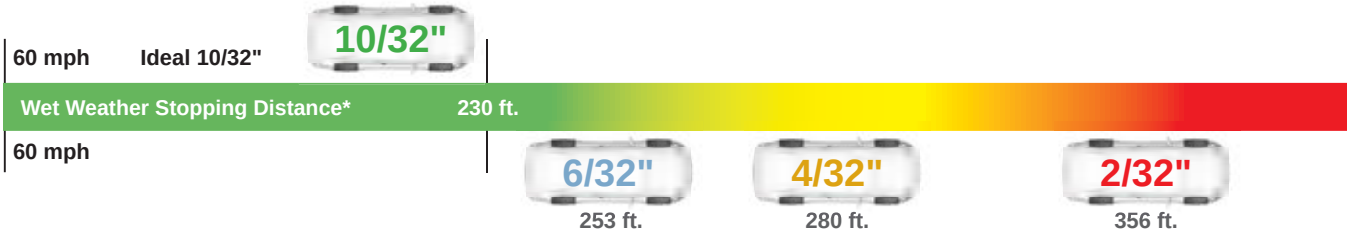
Quick Tread's point cloud scan is able to account for these issues and return the most accurate measurements.



Tread Depth Affects a Vehicle's Stopping Distance

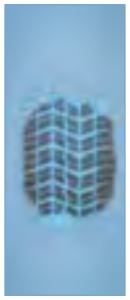
Tire tread depth is important because a tire's grooves squeeze out water, debris and snow so tires can hit the road and keep the vehicle running safely.

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. 

** For details see www.hunter.com/stopping*

Tire Wear & Wheel Alignment

Irregular tread wear 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?***

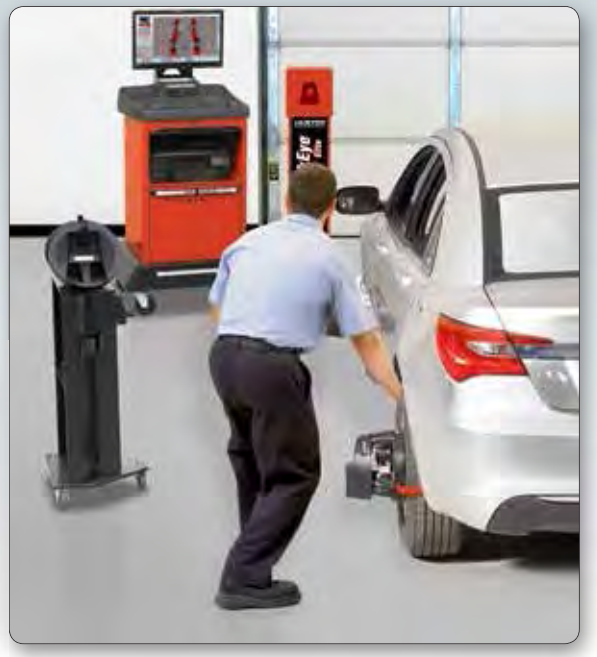
A: ***It will incorrectly indicate alignment need!***



Measure more than tire wear for accurate wheel alignment assessments*

Hunter's Quick Check® alignment inspection system captures total toe and camber measurements compared to manufacturer specifications 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?

In a recent 25,000 vehicle study, 51% of all vehicles had no irregular tire wear, but were in need of an alignment. Only 10% had irregular wear and were in actual need of an alignment.

** Requires system with Quick Check® alignment sensors.*

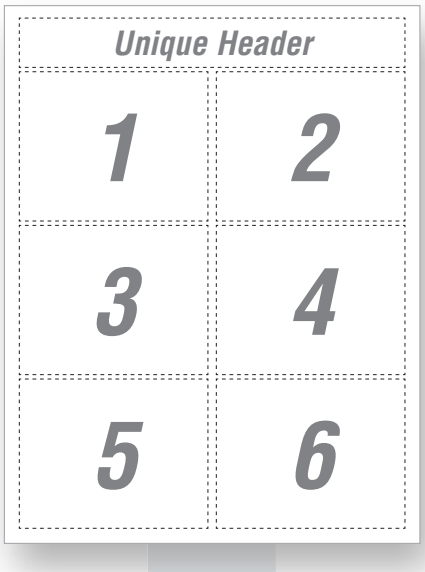
Customize Your Printouts



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

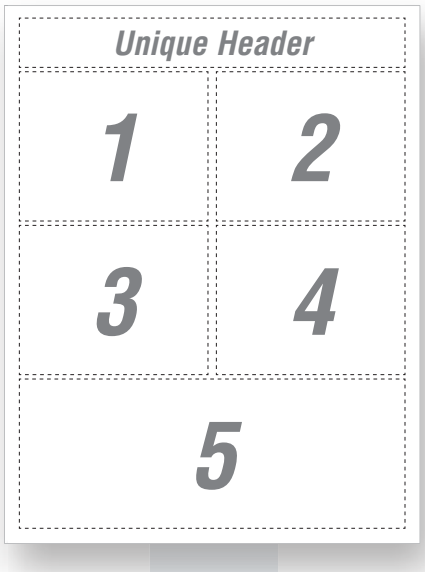
- ✔ Include your shop's logo, an advertising message, coupon, or any other services
- ✔ Provide customers up to two printouts — displaying simple and/or technical information — or keep one for your own records
- ✔ Select the format that has the highest impact with your customer

Choose the best printout for your business



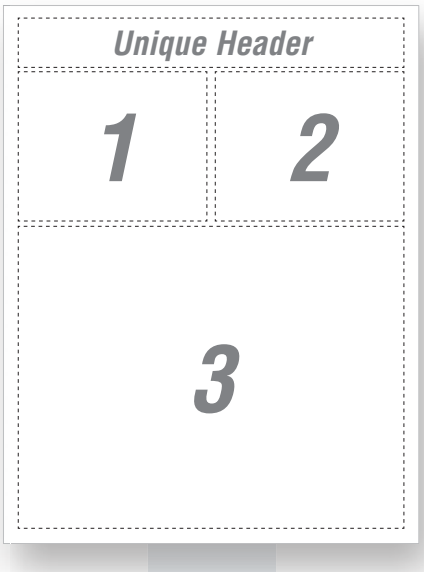
Up to 6 customizable modules per page





Customize to fit your shop's unique needs





Highlight the features that will sell your services best



Image of vehicle requires webcam, sold separately.

Selling and Management Reporting Tools

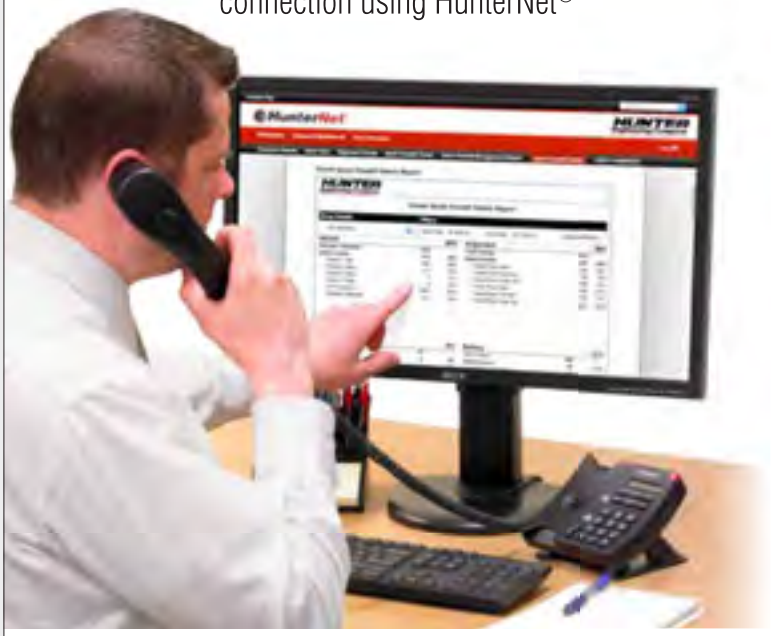
Using HunterNet tools, shops can recommend services, track statistics, and generate reports.

- ✔ View and present inspection results
- ✔ 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®

HunterNet®



See your service opportunities virtually anywhere, anytime.





Integration

- ✔ **Capture every service opportunity** with streamlined process
- ✔ Ensure profitable service recommendations are always presented to customer
- ✔ Choose your integration partner
- ✔ **Customer Intake:** Present digital inspection results and make tire offer at the vehicle
- ✔ **Electronic Multi-Point Inspection (eMPI):** Accelerate inspection process and increase technician productivity
- ✔ **Digital Service Recommendations:** Mobile delivery of inspection results via text or email helps sell more services to off-site customers on-the-go



AutoPoint sample phone interface

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

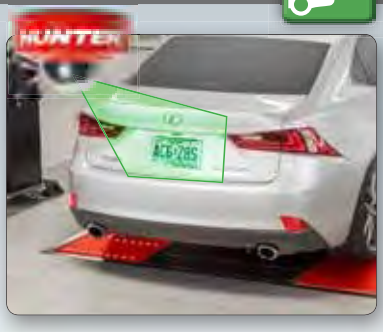
Connect Quick Tread® to Hunter's Popular Quick Check® System



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

- ✔ vehicle identification
- ✔ wheel alignment
- ✔ battery health
- ✔ diagnostic check (emissions)
- ✔ inflation
- ✔ brake performance

Quick ID™ *New!*



- ✔ Accelerate inspection process
- ✔ Automatic vehicle identification

Wheel Alignment



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

Battery Health



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

Diagnostic Check



- ✔ Retrieves VIN and emission system codes from OBD-II

Tire Pressure*



Stand alone Inflation Station option

- ✔ Automatically adjusts air pressure to user-entered OEM spec
- ✔ Records before and target pressures

Stopping Check



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

Vehicle OE warranty policies vary, please consult OE guidelines when establishing vehicle inspection policies.

**Requires brake tester*

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.









Additional Accessories

Angled Bay Kit

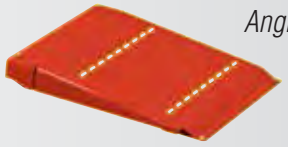
Necessary for any curved or angled vehicle approaches. A straight approach does not require an angled bay kit.

Center Cover

Beneficial for surface-mount installations with high pedestrian traffic or turning vehicles.

Extended Descent Ramps

Recommended for surface mount installations with customer's driving over system or lower vehicle suspension types.



Angled Bay Kit



Surface-Mount Center Cover



Extended Descent Ramps

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

Quick Tread® – Stand Alone

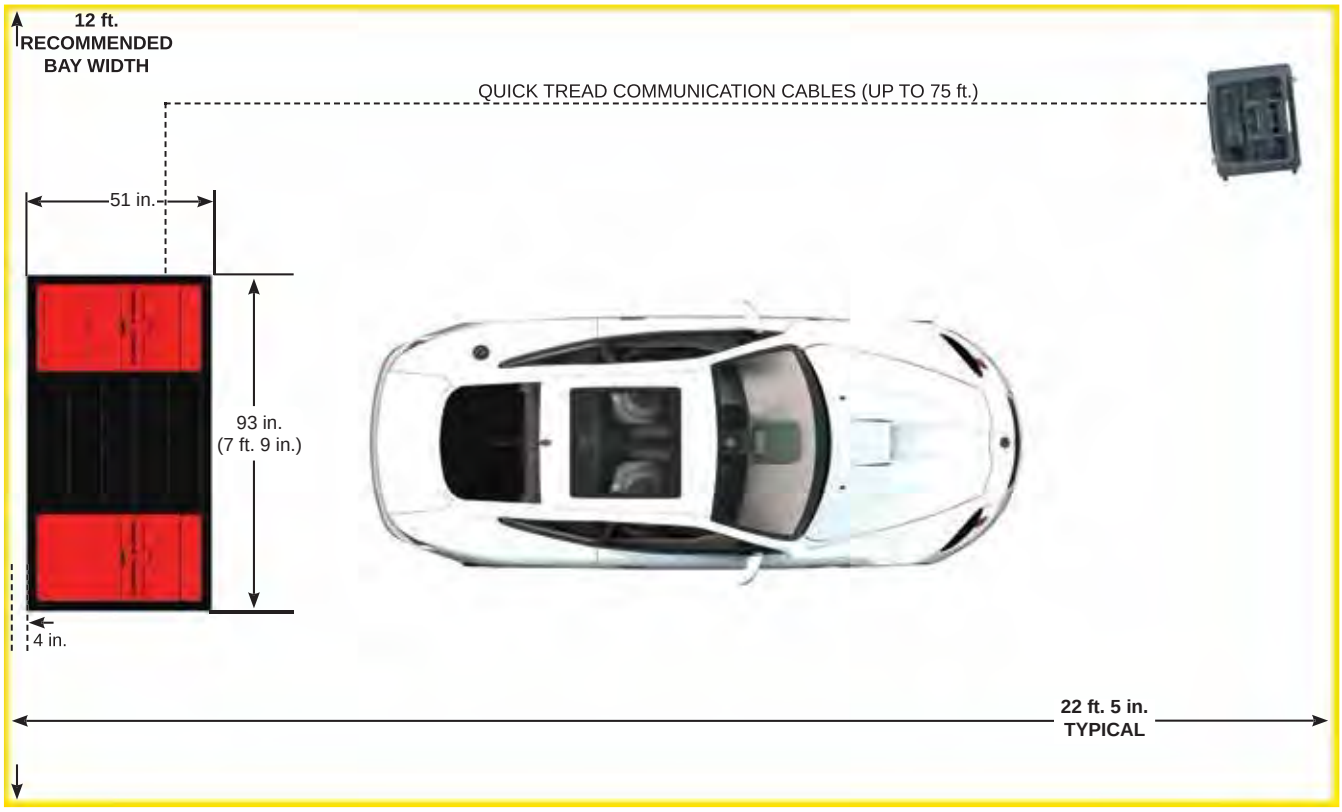
Flush-Mounted



Site Specifications	
Power Requirements	115/230v, 15 amp* 50/60 Hz 1 ph†
Air Supply Req. (SI Units)	90-150 PSI (6.2-10.3 bar)
Substructure Specifications	Refer to Form 6905-T
Pedestal Location	36 - 96 in. (914 - 2438 mm) from QT1F
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™	1723 lbs (455 kg)

** Amperage shown is minimal circuit rating.*

† Isolated ground recommended.







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Contact your Ford Field Service Engineer or Rotunda Area Sales Manager
www.OneRotunda.com / 1.800.ROTUNDA

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