

Road Force® Elite

The world's fastest diagnostic balancer



Road Force® Elite at a glance

EXCLUSIVE

Unmatched Speed!:



- ✓ Perform a **Road Force® test and balance** faster than any traditional balancer!

PATENTED

Vision System:



- ✓ Eliminate error opportunities
- ✓ More information in less time

PATENTED

Diagnostic Load Roller



- ✓ Solve vibration problems
- ✓ Identify vehicle pulls
- ✓ Provide "new car ride"



Shown with options



NEW *PATENTED*

Automatic CenteringCheck®



- ✓ Ensure proper centering
- ✓ Eliminate setup errors

PATENTED

Enhanced SmartWeight®:.



- ✓ Even better balance
- ✓ Maximum efficiency
- ✓ More single weight solutions

EXCLUSIVE

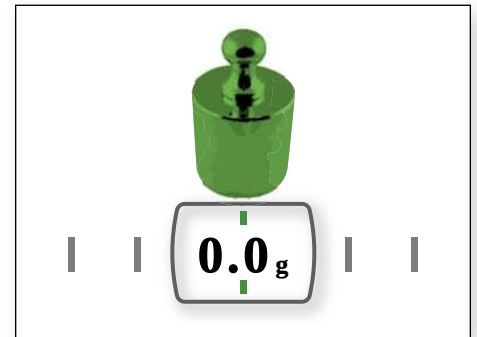
HunterNet®:.



- ✓ View balancer usage
- ✓ Track weight usage

PATENTED

eCal Auto-Calibration



- ✓ True “self-calibration”
- ✓ No operator input required

EXCLUSIVE

On-Demand Videos



- ✓ Simplify training
- ✓ Improve results

STANDARD

Touchscreen Interface



- ✓ Intuitive interface
- ✓ Quickly train new technicians

Road Force® Elite vision technology unlocks more



Standard Balancer

VS.



Hunter Road Force® Elite

1:15 - 3:00+ Floor to floor

-Plus-



Wheel dimensions
MANUAL



Weight mode
MANUAL



Spoke location



Rim profile



SmartWeight® optimized



Rim runout



Road force



Tire pull



Error-proof



Forcematch prediction



Unguided balance

1:10 Floor to floor

-Plus-



Wheel dimensions
AUTOMATIC



Weight mode
AUTOMATIC



Spoke location
AUTOMATIC



Rim profile
AUTOMATIC



SmartWeight® optimized
AUTOMATIC



Rim runout
AUTOMATIC



Road force
AUTOMATIC



Tire pull
AUTOMATIC



Error-proof
AUTOMATIC

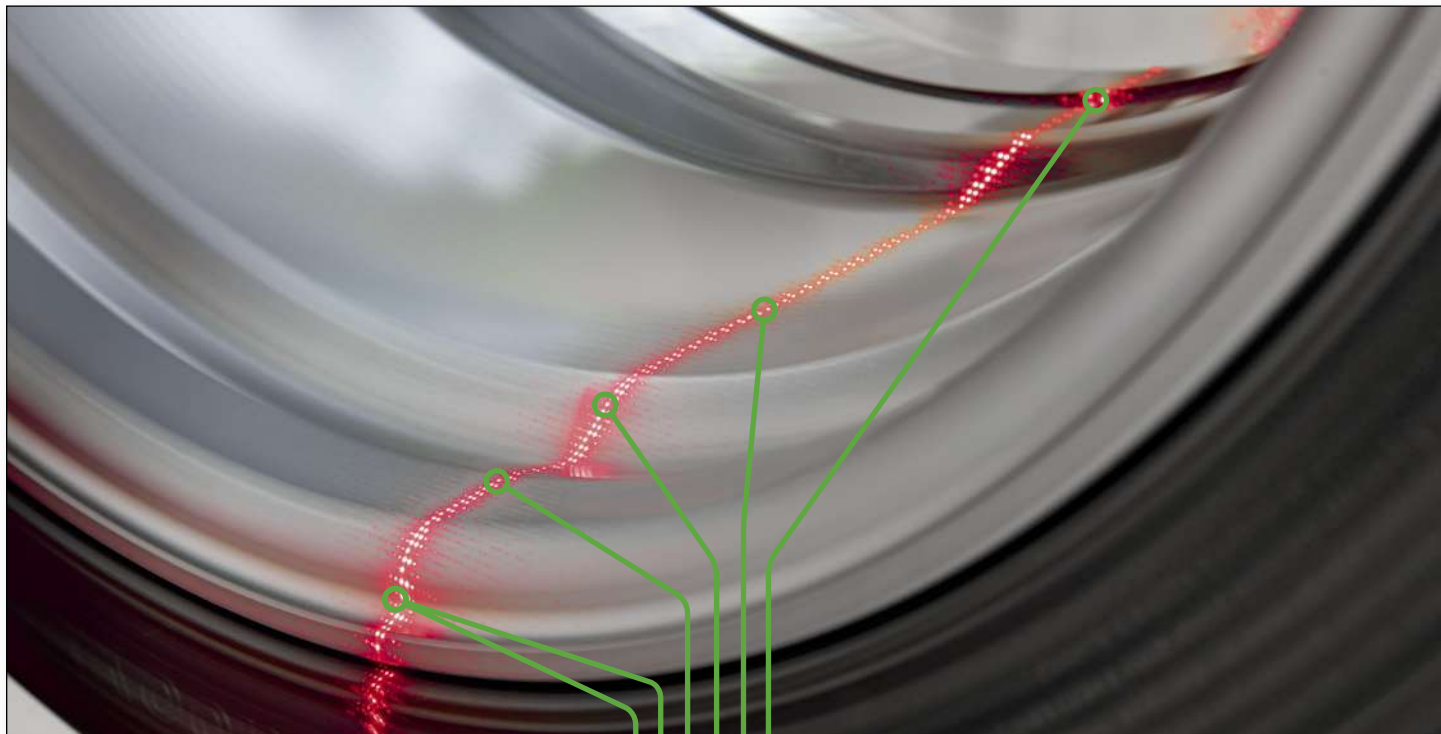


Forcematch prediction
AUTOMATIC



Guided balance

benefits in less time!



Wheel dimensions

AUTOMATIC

Automatically determines
weight plane locations



Weight mode

AUTOMATIC

Selects clip or tape weight usage



Rim runout

AUTOMATIC

Calculates force-match solution



Spoke location

AUTOMATIC

Automatically hides tape
weights behind spokes



SmartWeight® optimized

AUTOMATIC

Allows more single weight solutions



Rim profiled

AUTOMATIC

Creates three-dimensional
model of the rim



Reduce operator error

- ✓ Automatically measures wheel dimensions
- ✓ Automatically selects weight mode
- ✓ Automatically measures rim runout

Road Force® Elite performs up to 47% faster than previous models



GSP9712
(Generations 1 and 2)
Up to 20 years old



GSP9722
(Generation 3)
Up to 12 years old



Road Force Touch
(Generation 4)
Up to 6 years old



Road Force® Elite
(Generation 5)
Up to 2 years old

Balance and
measure road force

1:40

1:40

1:15

1:10

Balance and repair
road force

3:31

3:31

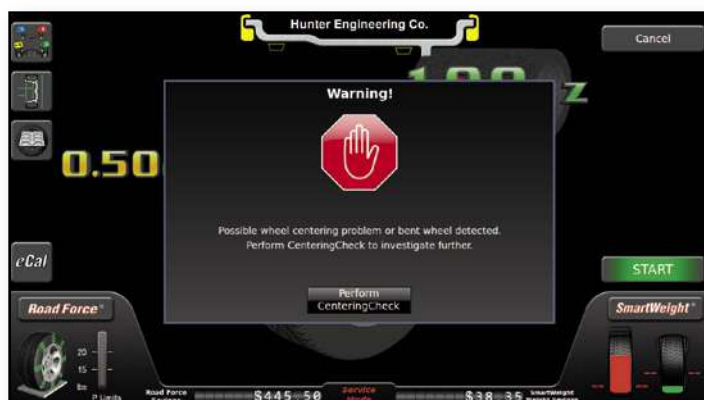
2:51

19%
improvement!

1:51

47%
improvement!

Improving technician performance



Automatic CenteringCheck® reduces setup errors

Miscentering during wheel balancing procedures is the number one cause of improper balancing and customer comebacks. Automatic CenteringCheck® always monitors wheel centering to reduce setup errors.

- ✓ Automatically monitors centering
- ✓ Notifies technician of setup errors
- ✓ Reduces customer comebacks



Balancer Report Card optimizes weight placement

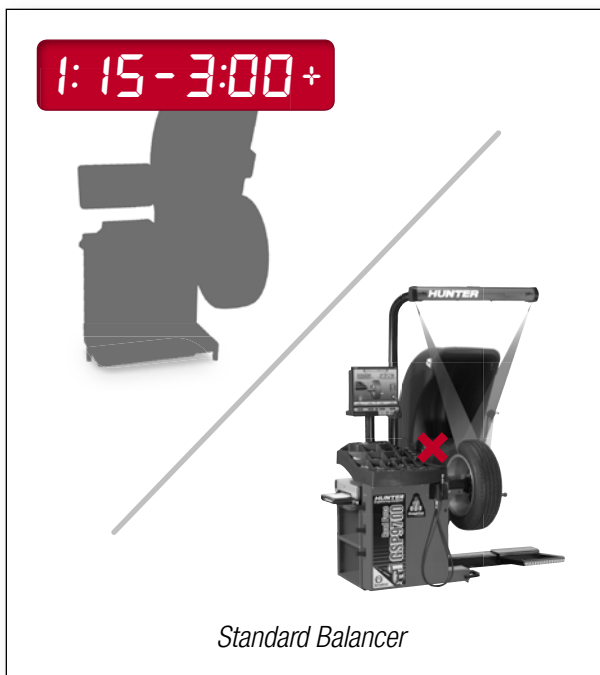
Balancer Report Card scans the wheel and determines where the technician placed the wheel weights. The balancer then scores the accuracy of placement.

- ✓ Illustrates placement errors to the technician
- ✓ Provides report to technician to enhance accuracy
- ✓ Improves balance results



A tale of two shops

OTHER shops



Tire is balanced with standard non-diagnostic balancer or older generation Road Force with the roller turned off.

QUALITY CONTROL DEPARTMENT



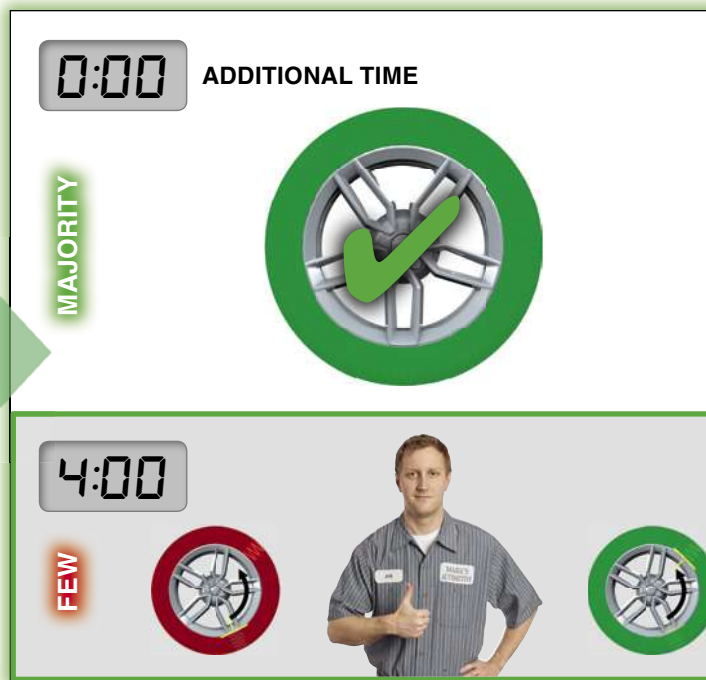
Since customers are performing quality control for the shop, no additional time is required.

Road Force® Elite shops

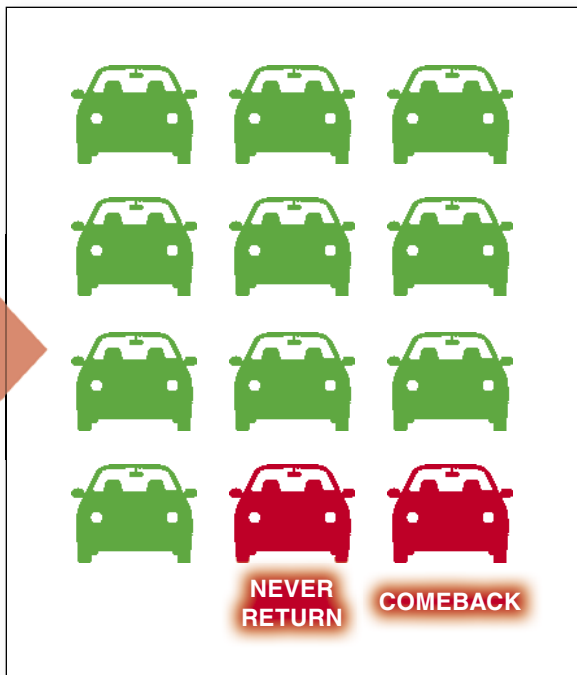


Tire is balanced in less time with Hunter's Road Force® Elite premium diagnostic balancer.

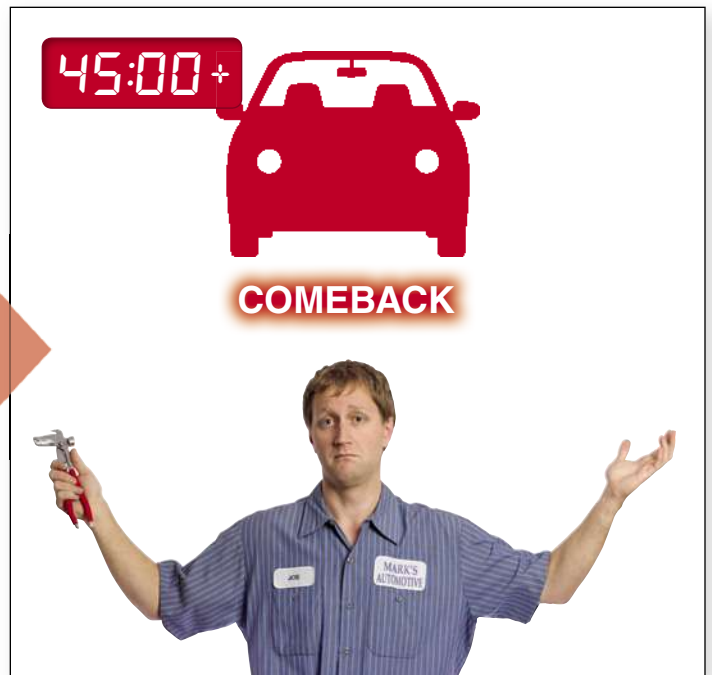
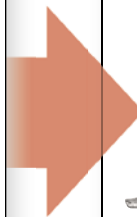
QUALITY CONTROL DEPARTMENT



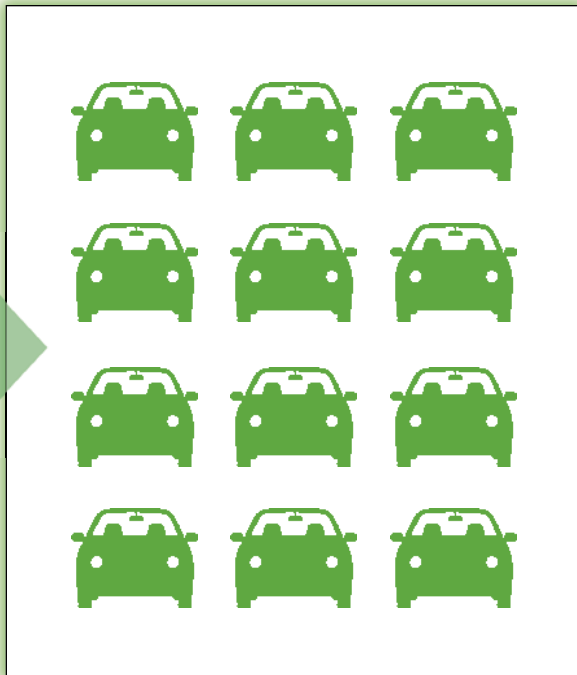
A few tires need to be repositioned on the rim to guarantee a round assembly and a smooth ride. This only adds a few minutes when handled at installation.



Majority of customers leave happy, but a small portion leave unhappy. Some return unhappy, others never return.



Customers that return unhappy will require over 45 minutes of additional work that technicians are often unequipped to handle.



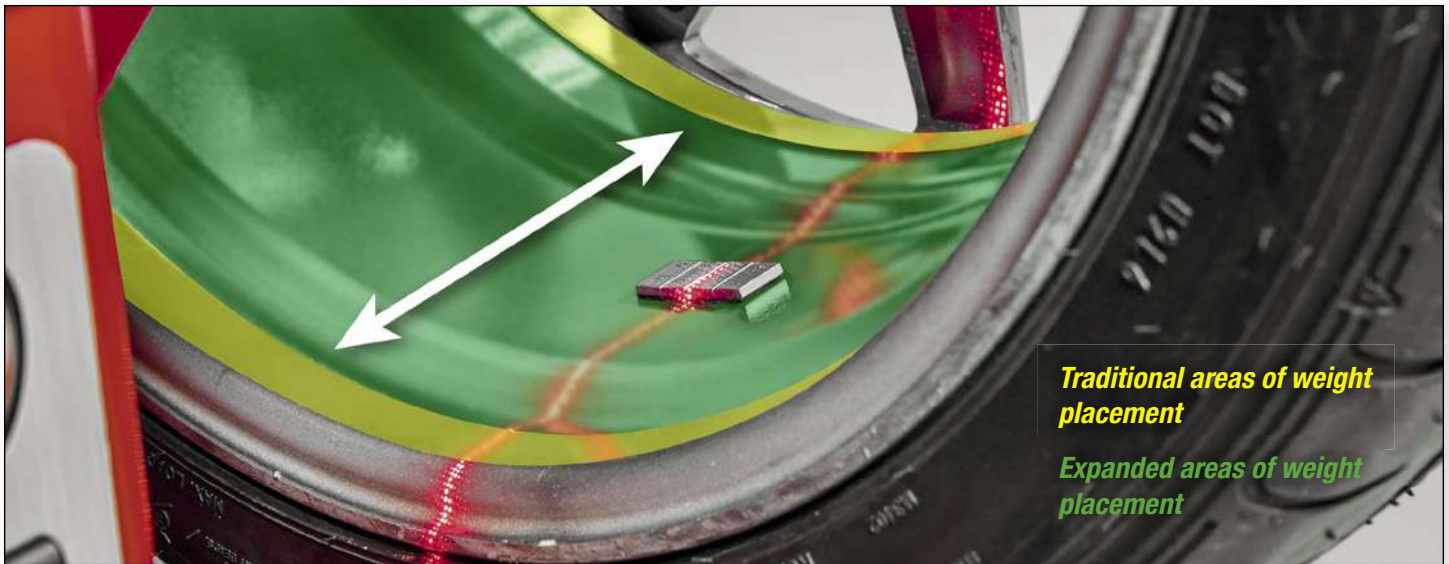
Because the technician tested every assembly, all customers leave happy.



Superior service differentiates Road Force® Elite shops from all other shops.

Enhanced SmartWeight®

Additional weight locations save time and money



Road Force Elite vision system increases balancer accuracy and single weight solutions.

4

*Modern vehicles are **4x** more sensitive to static vibration forces than couple or dynamic forces.*

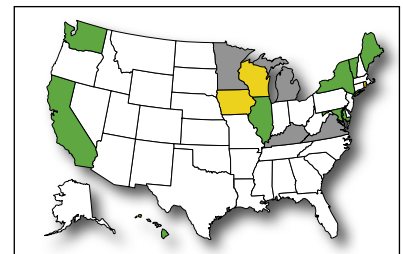
66

*Avoid an average of **66 comebacks** per year by using SmartWeight.*

7,130

*An average shop saves **7,130 oz** per year with SmartWeight.*

Lead-Free Initiative Growing



- ▶ 7 states ban lead weights
- ▶ 3 states pending legislation
- ▶ 4 states with governmental actions underway

Watch Your Savings Grow!



- ✓ See weight and labor savings based on your shop's numbers

PATENTED

StraightTrak® corrects tire pull

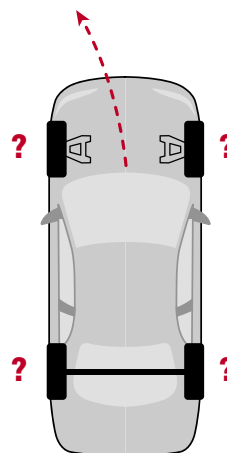
**PERFORM LATERAL
FORCE MEASUREMENTS
WITHOUT TIME PENALTY**

Tires Just Rotated?

Customer
complains
about vehicle
pulling to
the left.

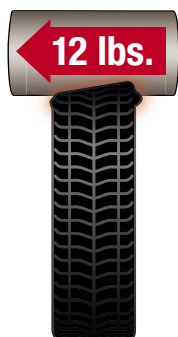


Mysterious Left Pull

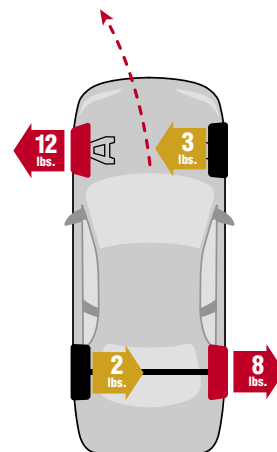


Measure Lateral Force to Identify Pull

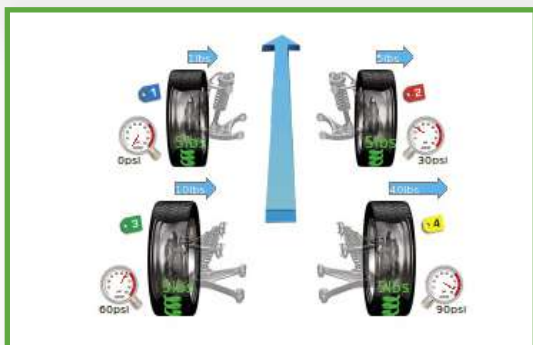
Tire conicity
can **ONLY**
be measured
accurately
when the tire
is under load.



Pull Identified

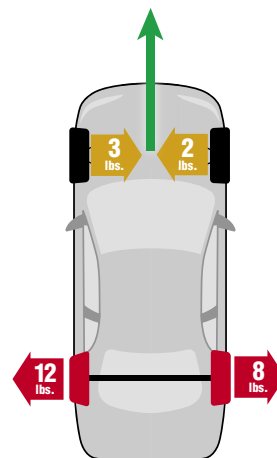


StraightTrak Delivers the Ultimate in Customer Satisfaction



Hunter suggests optimal wheel placement
just like OE manufacturers.

Pull Eliminated



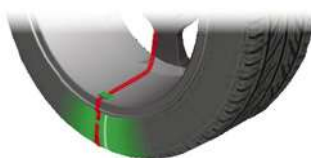
EXCLUSIVE

Intuitive interface simplifies operation

Balance operation



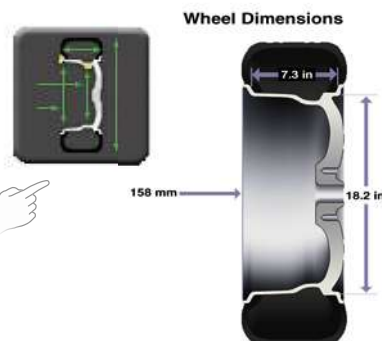
Switch text language with the push of a button



TruWeight™ provides live navigation through selection and placement of wheel weights

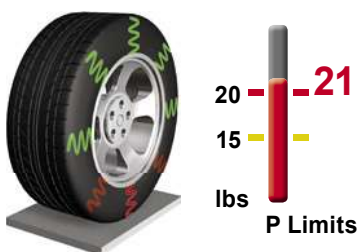


Rim cutaway displays selected weight mode



One touch to display rim dimensions

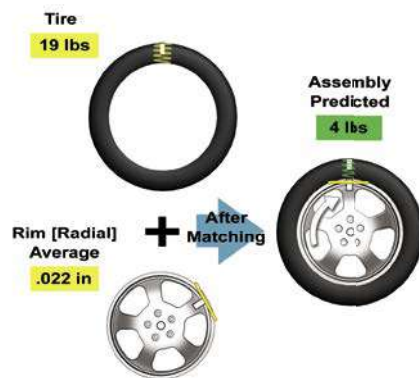
Road Force operation



Road Force panel displays assembly value and limits



Live rim and tire conditions shown on-screen



Simple graphics illustrate how to optimize assembly



Color-coding allows operator to visualize Road Force variations

Concise information for your business!

EXCLUSIVE

Vehicle Database with TPMSpecs®

- ✓ Displays proper mounting adapters
- ✓ Present TPMS info through any internet-connected shop computer
- ✓ Presents 100+ TPMS reset procedures in a simple comprehensive, user-friendly way.

TPMSpecs



One-click TPMS access with a bar code scanner!
(Scanner sold separately)



TPMS info can be presented through any internet-connected shop computer!

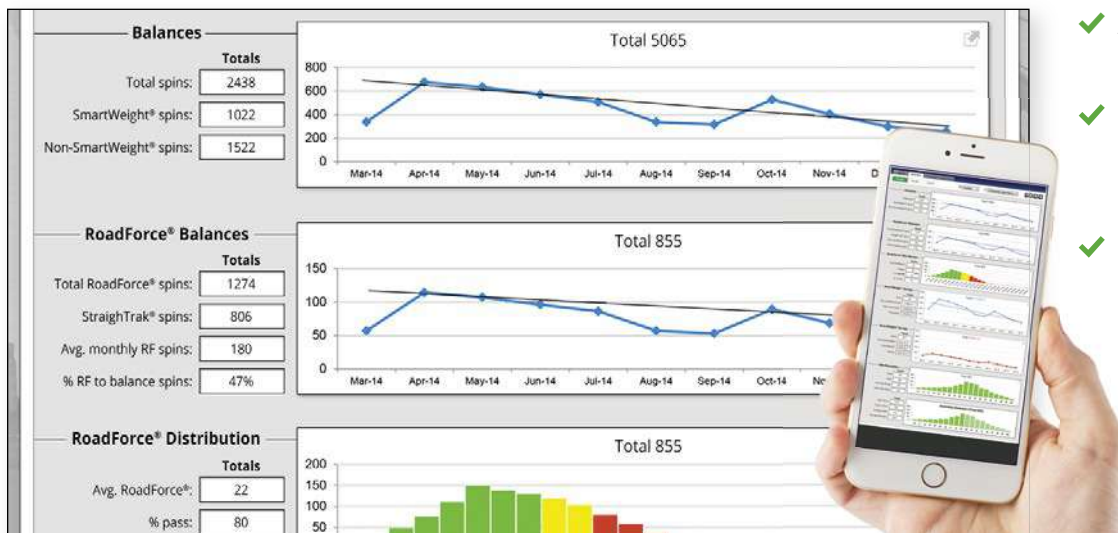


GSP9700.com complimentary listing...

- ✓ Free listing on www.GSP9700.com
- ✓ Tens of thousands of hits each year
- ✓ Customers find you

**Locate a GSP9700
Road Force® Balancer**





- ✓ Allows you to view balancer usage online
- ✓ See trends like Road Force values and wheel types being serviced
- ✓ Track wheel weight usage and savings

Additional features make balancing faster and easier



EXCLUSIVE

Most durable shaft in the industry



Bottom laser and wheel light



EXCLUSIVE

TranzSaver™

Compares tire circumferences as specified by OEs to prevent damage to AWD vehicles.



FASTER

Integrated Inflation Station

Popular equipment upgrades

Wheel lift

- ✓ Safely service heavy, oversized wheels
- ✓ Precisely center all wheels



SpeedClamp®

- ✓ Clamp wheels automatically
- ✓ Save time and effort
- ✓ Eliminate wingnut



PATENTED

HammerHead® top-dead-center laser

- ✓ Greater weight placement accuracy to avoid mistakes
- ✓ More single-spin balances improve productivity
- ✓ Overhead fluorescent light illuminates work area



Incorrect



Correct

Printer kit with storage shelf*

- ✓ Print Road Force Measurement® test results
- ✓ Sell and perform TPMS work properly and efficiently
- ✓ Win more approvals with clear and informative printouts

* Printer model may vary.



Specifications



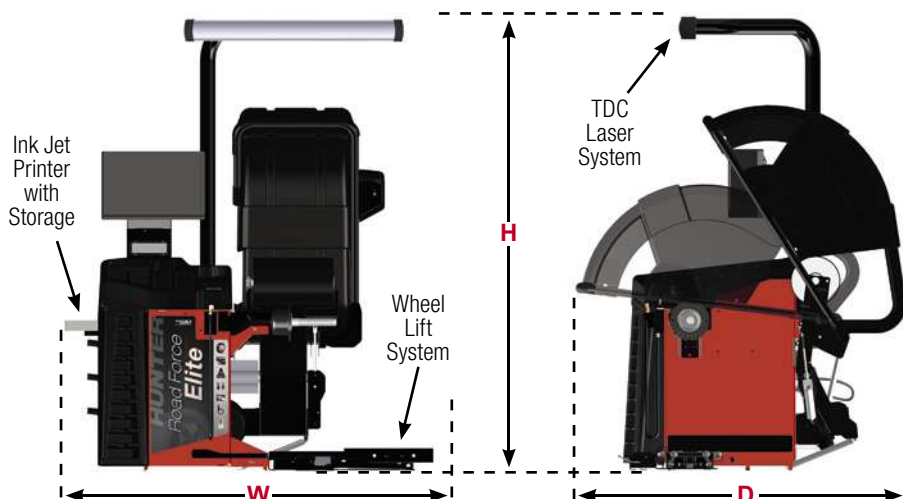
RFE33™ shown

Power requirements	196-253V, 10 amp, 50/60 Hz, 1 ph (Power cable includes: NEMA 20 amp plug, L6-20P)
Air supply requirements	100-175 psi (7-12 bar)
Roller force	Variable up to 1,250 lbs (567 kg)
Capacity	
Rim width	1.5 in to 20.5 in (38 mm to 521 mm)
Rim diameter	10 in to 30 in (254 mm to 762 mm)
Max. tire diameter	40 in (1016 mm)
Max. tire width	20 in (508 mm)
Max. tire weight	175 lbs (79 kg)
Radial and lateral runout accuracy	0.002 in (0.051 mm)
Displaced imbalance resolution	± 0.05 oz (1.4 g)
Placement accuracy	512 positions, ± 0.35°
Balancing speed	300 rpm
Motor	Programmable drive system and DC motor

Models*

	RFE33	RFE32	RFE31	RFE30	RFE23	RFE22	RFE21	RFE20	RFE13	RFE12	RFE11	RFE10	RFE03	RFE02	RFE01	RFE00
Wheel Lift System	✓	✓	✓	✓					✓	✓	✓	✓				
SpeedClamp® System	✓	✓	✓	✓	✓	✓	✓	✓								
TDC Laser System	✓	✓			✓	✓			✓	✓			✓	✓		
Ink Jet Print w/ Storage	✓		✓		✓		✓		✓		✓		✓		✓	
Width (W)	72 in 1829 mm	64 in 1626 mm	72 in 1829 mm	64 in 1626 mm	65 in 1651 mm	57 in 1448 mm	65 in 1651 mm	57 in 1448 mm	73 in 1854 mm	64 in 1626 mm	72 in 1829 mm	64 in 1626 mm	65 in 1651 mm	57 in 1448 mm	65 in 1651 mm	57 in 1448 mm
Height (H)	89 in 2261 mm	89 in 2261 mm	70 in 1778 mm	70 in 1778 mm	89 in 2261 mm	89 in 2261 mm	70 in 1778 mm	70 in 1778 mm	89 in 2261 mm	89 in 2261 mm	70 in 1778 mm	70 in 1778 mm	89 in 2261 mm	89 in 2261 mm	70 in 1778 mm	70 in 1778 mm
Depth (D)	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm	63 in 1600 mm
Weight	974 lb 442 kg	921 lb 418 kg	924 lb 419 kg	871 lb 395 kg	842 lb 382 kg	789 lb 358 kg	792 lb 359 kg	739 lb 335 kg	899 lb 408 kg	846 lb 384 kg	849 lb 385 kg	796 lb 361 kg	844 lb 383 kg	791 lb 359 kg	794 lb 360 kg	741 lb 336 kg

* Road Force Touch® model numbers are trademarks of Hunter Engineering Company.



Because of continuing technological advancements, specifications, models and options are subject to change without notice.



HUNTER
Engineering Company
www.hunter.com