Road Force® Elite

The World's Fastest Diagnostic Balancer

NEW!

Ford | LINCOLN
ROTUNDA

HUNTER
Engineering Company

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

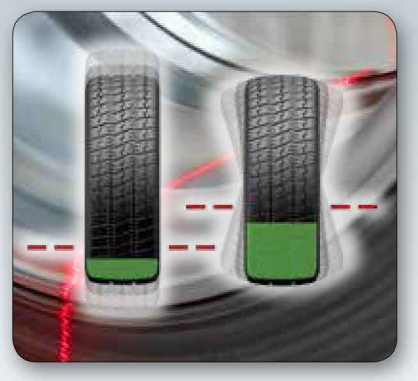
Diagnostic Load Roller

- ✔ Solve vibration problems
- ✔ Identify vehicle pulls
- ✔ Provide “new car ride”

Shown with options

PATENTED

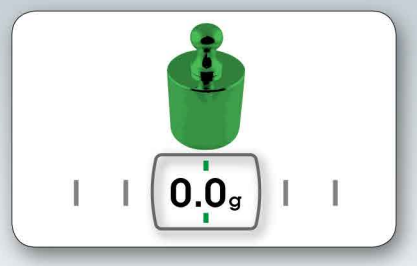
Enhanced SmartWeight®



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

PATENTED

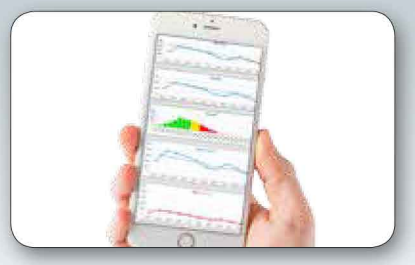
eCal Auto-Calibration



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

EXCLUSIVE

HunterNet®



- ✔ View balancer usage
- ✔ Track weight usage

EXCLUSIVE

On-Demand Videos

- ✔ Simplify training
- ✔ Improve results

PATENTED

CenteringCheck®

- ✔ Ensure proper centering
- ✔ Eliminate setup errors

STANDARD

Touchscreen Interface

- ✔ Intuitive interface
- ✔ Quickly train new technicians

Road Force® Elite vision technology unlocks more be

Standard Balancer

VS.

Hunter Road Force® Elite

1:15-3:00+ Floor to floor

-Plus-

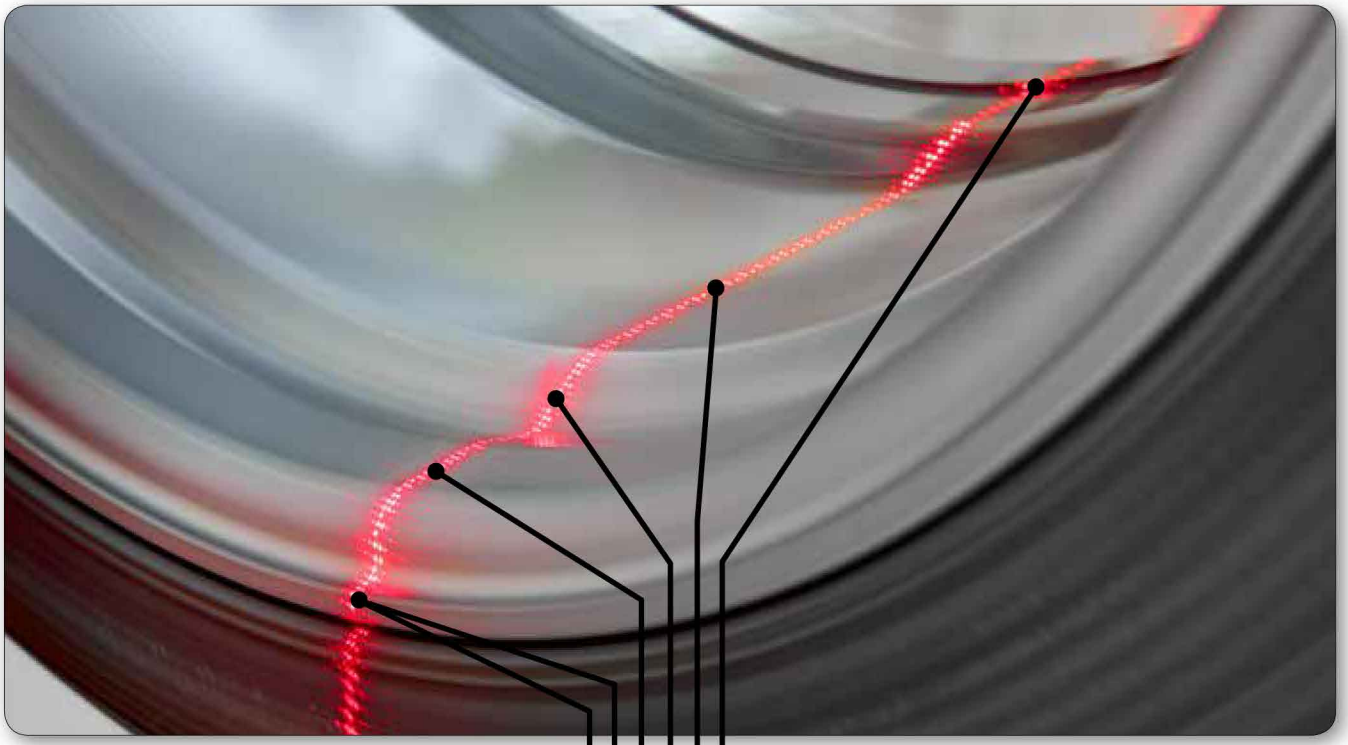
- Wheel dimensions *MANUAL*
- Weight mode *MANUAL*
- Spoke location
- Rim profile
- SmartWeight® optimized
- Rim runout
- Road force
- Tire pull
- Error-proof
- Forcematch prediction
- Unguided balance

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

...nefits 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 18 years old

GSP9722
(Generation 3)
Up to 10 years old

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

Road Force® Elite
(Generation 5)
Coming April 2016

Balance and measure road force

Balance and repair road force

19%
improvement!

47%
improvement!

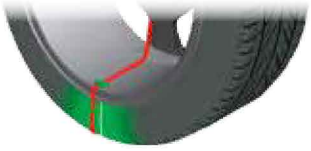
EXCLUSIVE

Intuitive interface simplifies operation

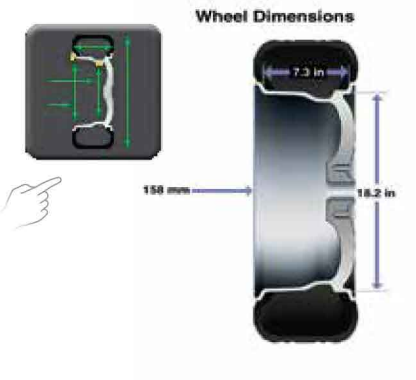
Balance operation

Rim cutaway displays selected weight mode

Switch text language with the push of a button

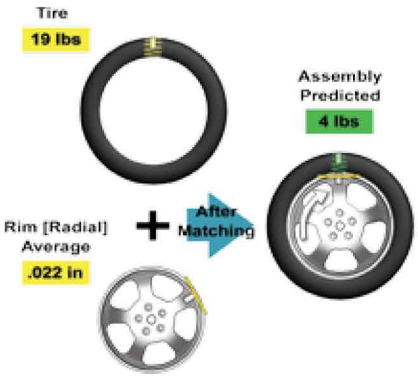


TruWeight™ provides live navigation through selection and placement of wheel weights

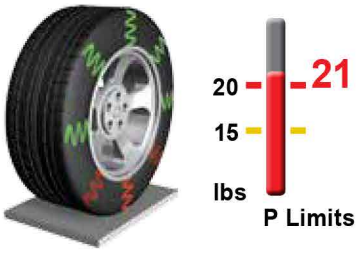


One touch to display rim dimensions

Road Force operation



Simple graphics illustrate how to optimize assembly



Road Force panel displays assembly value and limits

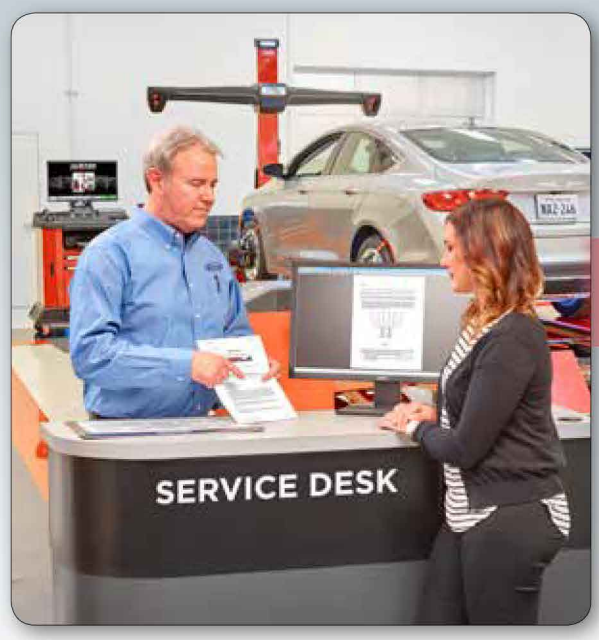
Live rim and tire conditions shown on-screen

Color-coding allows operator to visualize Road Force variations

Road Force Measurement® solves common vibration

Problem / Solution

Your customer complains about a vibration…



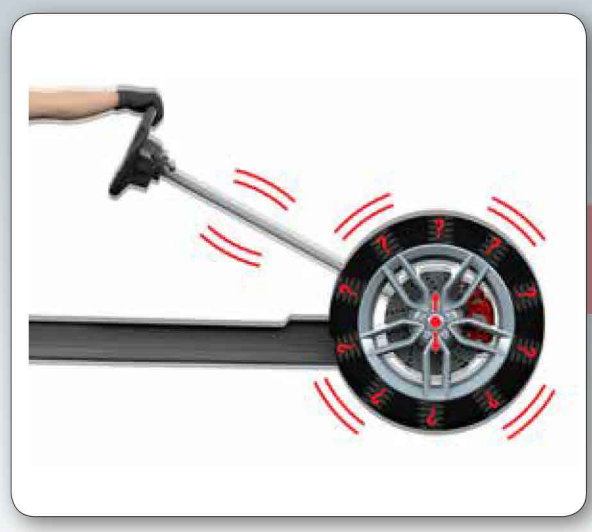
OE technical service bulletins recommend the Road Force Touch® balancer as the vibration solution

A simulated road test pinpoints the problem

The Road Force Touch balancer identifies the tire and rim contributions to radial-force vibration problems

How It Works

An unknown force vibrates the spindle



Vibration is transferred from the wheel, through the spindle to the customer

Specialized sensors detect the vibration

The Road Force Touch balancer detects radial forces with sensitive instruments

problems

Hold the tire and rotate the rim

Match-mounting the stiffest point on a tire to the low spot on a rim makes the assembly roll as round as possible

Your customer leaves with a “new car ride”!

✔ Your customer experiences a smooth ride on the same tires and wheels

Match-mounting cancels the vibration

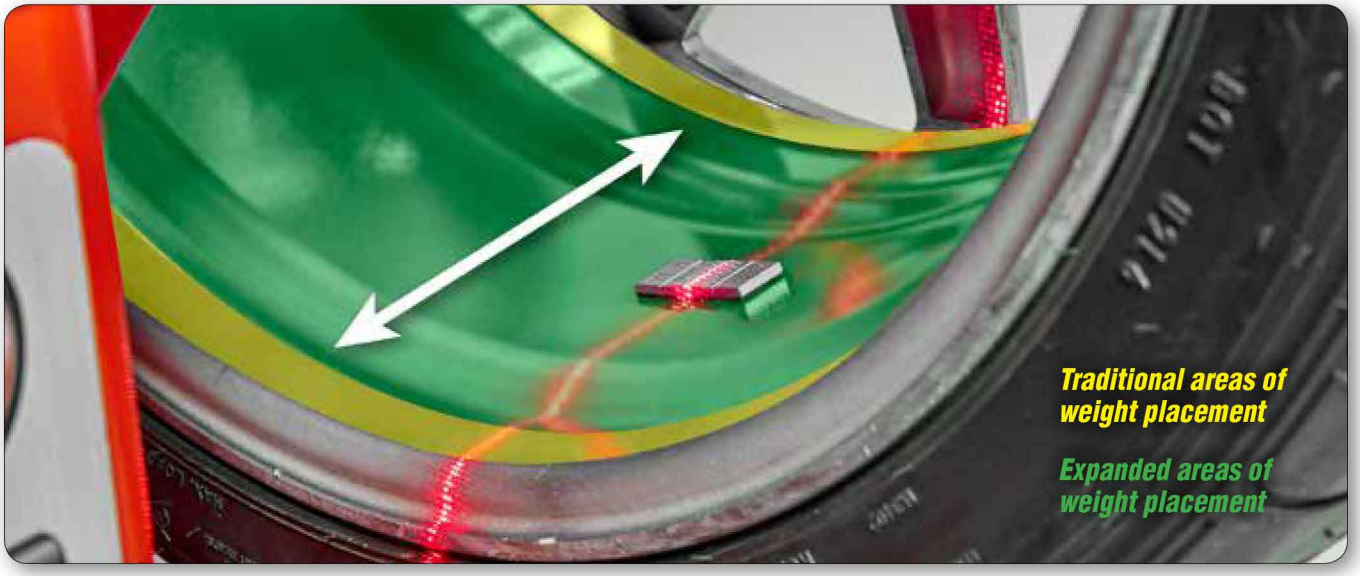
The Road Force Touch balancer duplicates tire and rim matching methods used by OE manufacturers

Your customer leaves with a “new car ride”!

✔ Radial force variation is minimized, ensuring your customer a smooth ride

Enhanced SmartWeight®

Additional weight locations save time and money



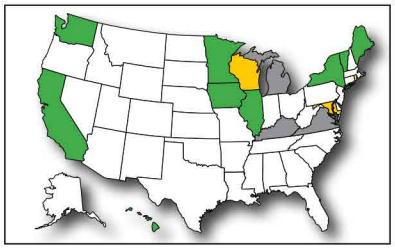
Road Force Elite vision system increases balancer accuracy and single weight solutions.

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



- 9 states ban lead weights
- 3 states pending legislation
- 3 states with governmental actions underway

Watch Your Savings Grow!

✔ See weight and labor savings based on **your** shop's numbers

PATENTED

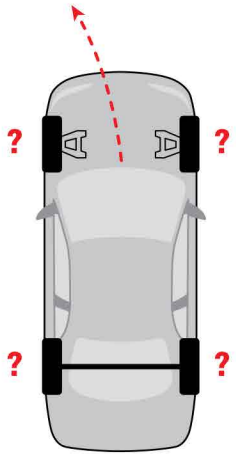
StraightTrak® corrects tire pull

NEW! Perform lateral force measurement without time penalty

Tires Just Rotated?

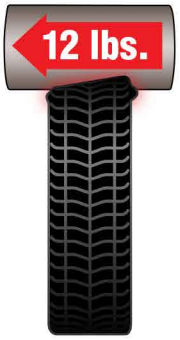
Customer complains about vehicle pulling to the left.

Mysterious Left Pull

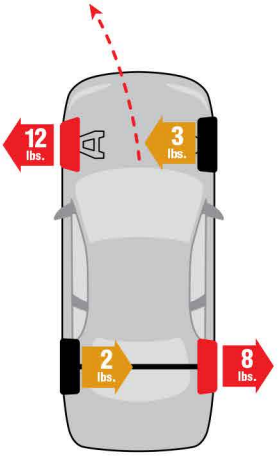


Measure Lateral Force to Identify Pull

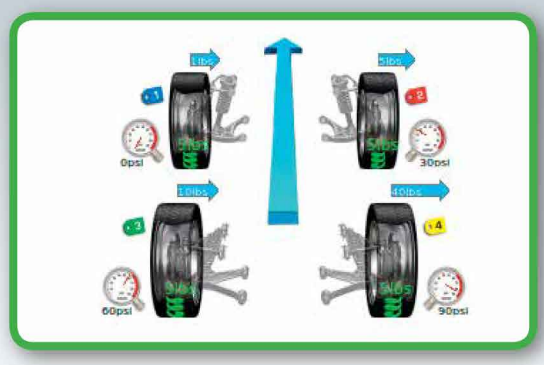
Tire conicity can **ONLY** be measured accurately when the tire is under load.



Pull Identified

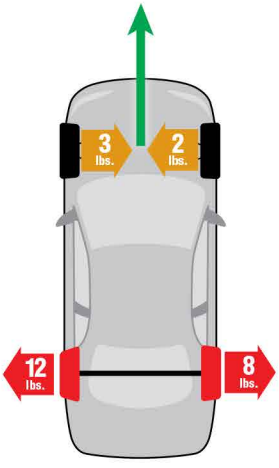


StraightTrak Delivers the Ultimate in Customer Satisfaction

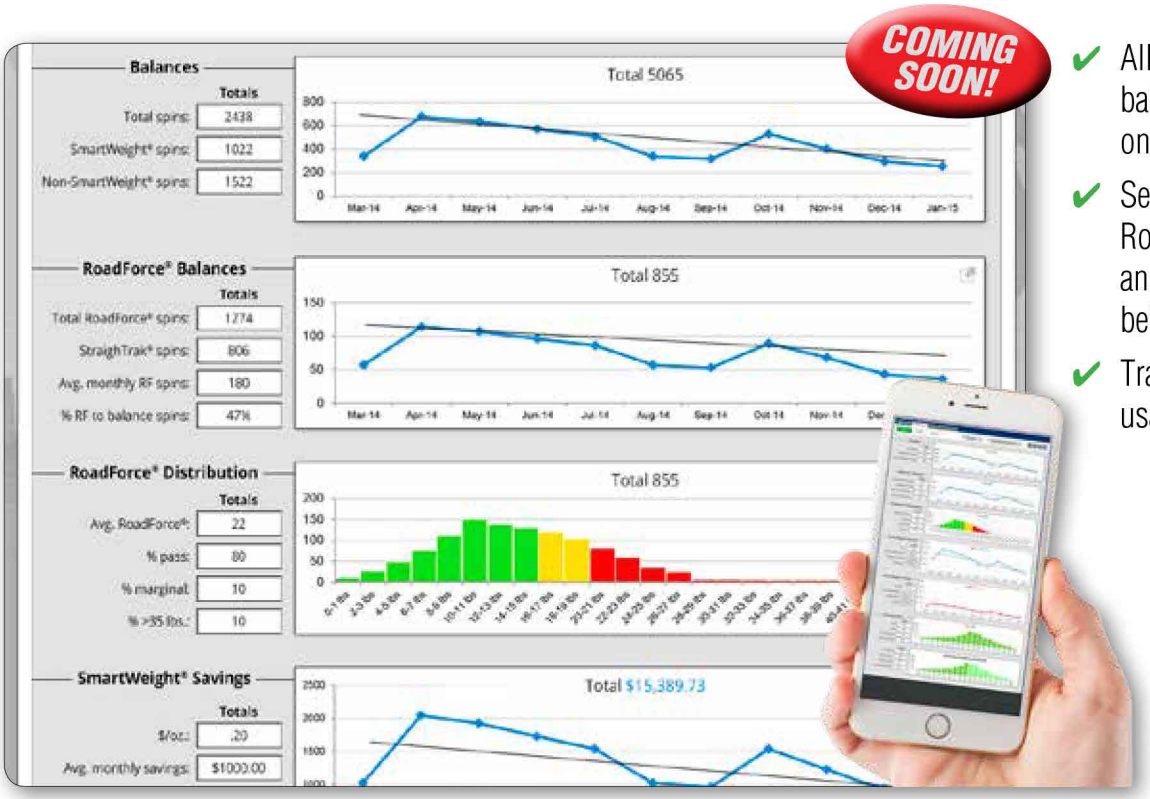


Hunter suggests optimal wheel placement just like OE manufacturers.

Pull Eliminated



HunterNet®



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

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

Let us advertise FOR YOU!

Your Shop Name
Street Address
City, State Zip Code
Phone number
Approx. X miles from your location

StraightTrak® Road Force Touch Elite

EXCLUSIVE

Concise information for your business!

Vehicle Database with TPMSpecs®

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

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

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

EXCLUSIVE

On-screen instruction makes everyone an expert!

High-definition videos instruct on a variety of balancing and tire changing topics.

- ✔ Covers basic techniques to more advanced procedures
- ✔ Instant access, easy navigation
- ✔ On-site training for your technicians

Technicians are guided with helpful tips and timesaving procedures.

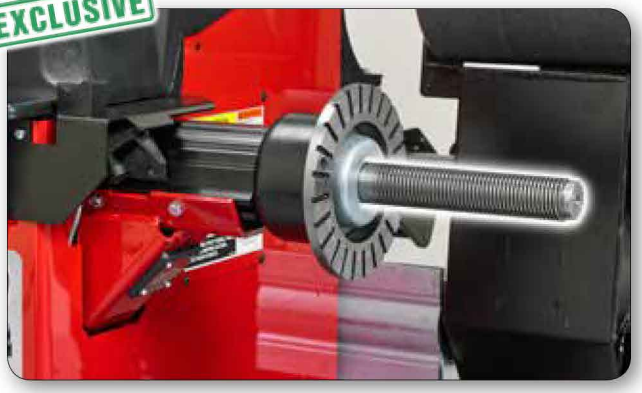
Additional features make balancing faster and easier

EXCLUSIVE

Live 3D graphics

Bottom laser and wheel light

EXCLUSIVE



Most durable shaft in the industry

Integrated Inflation Station

PATENTED

Servo Stop drive control

Automatically rotates and holds wheel at top-dead-center or bottom-dead-center weight locations.

EXCLUSIVE

TranzSaver™

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

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)*
ALU	14 in to 44 in (356 mm to 1118 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)
Imbalance Resolution	± 0.01 oz (0.28 g)
Placement Accuracy	512 positions, ± 0.35°
Balancing Speed	300 rpm
Motor	Programmable drive system and DC motor

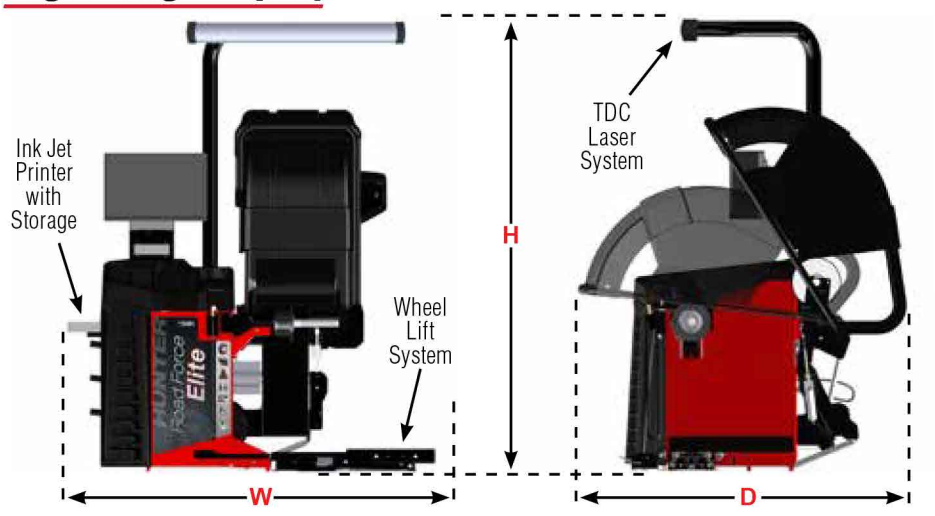
** Extreme wheel sizes may require manual data entry.*

Models**

	RFE33	RFE32	RFE31	RFE30	RFE23	RFE22	RFE21	RFE20	RFE13	RFE12	RFE11	RFE10	RFE03	RFE02	RFE01	RFE00
Wheel Lift System	✔	✔	✔	✔					✔	✔	✔	✔				
AutoClamp® 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.*

HUNTER Engineering Company



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

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