

# Road Force® Elite

*The world's fastest diagnostic balancer*

**NOW AVAILABLE WITH  
PUSH REPORTS**



# 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



# Road Force® Elite vision technology unlocks more



Standard Balancer

VS.



Hunter Road Force® Elite

**1:15 - 3:00+** Floor to floor

-Plus-

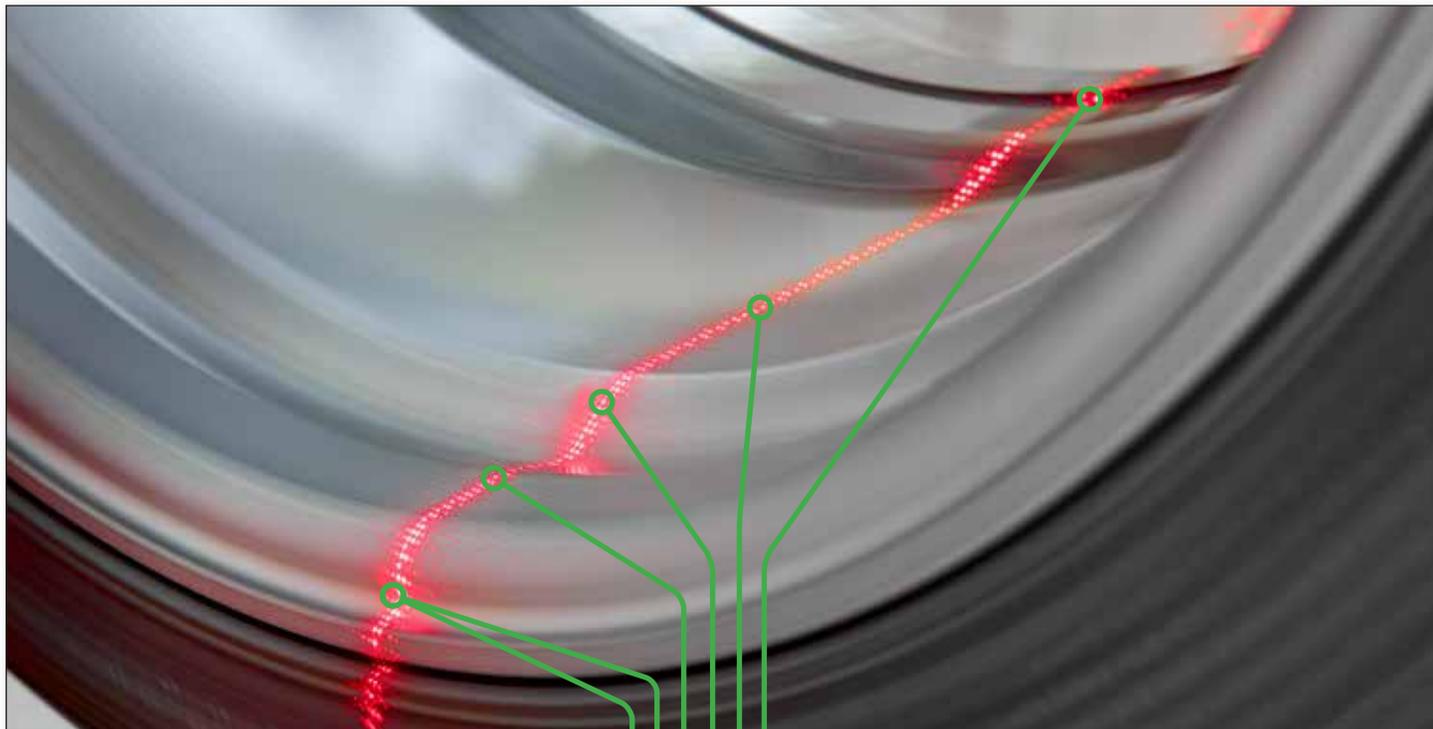
- Wheel dimensions  
*MANUAL*
- Weight mode  
*MANUAL*
- Spoke location
- Rim profile
- SmartWeight® optimized
- Rim runout
- Road force
- Tire pull
- Error-proof
- Forcematch prediction
- Unguided balance

**1:10** Floor to floor

-Plus-

- Wheel dimensions  
*AUTOMATIC*
- Weight mode  
*AUTOMATIC*
- Spoke location  
*AUTOMATIC*
- Rim profile  
*AUTOMATIC*
- SmartWeight® optimized  
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- Forcematch prediction  
*AUTOMATIC*
- Guided balance

# benefits in less time!



## Wheel dimensions *AUTOMATIC*

Automatically determines weight plane locations



## Spoke location *AUTOMATIC*

Automatically hides tape weights behind spokes



## Weight mode *AUTOMATIC*

Selects clip or tape weight usage



## SmartWeight® optimized *AUTOMATIC*

Allows more single weight solutions



## Rim runout *AUTOMATIC*

Calculates force-match solution



## 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 22 years old



**GSP9722**  
(Generation 3)  
Up to 14 years old



**Road Force Touch**  
(Generation 4)  
Up to 8 years old



**Road Force® Elite**  
(Generation 5)  
Up to 4 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**

**1:51**

**19%  
improvement!**

**47%  
improvement!**

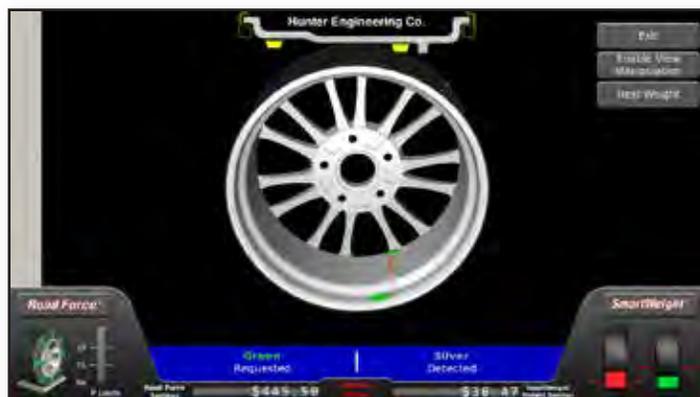
# Improving technician performance



## 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

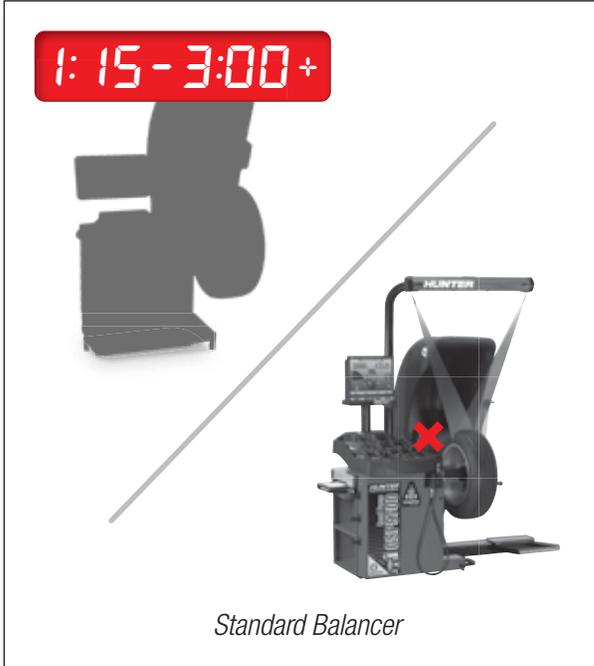
Balancer Report Card scans the wheel and determines where the technician placed the wheel weights. The balancer then scores the accuracy of placement.

- ✓ 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



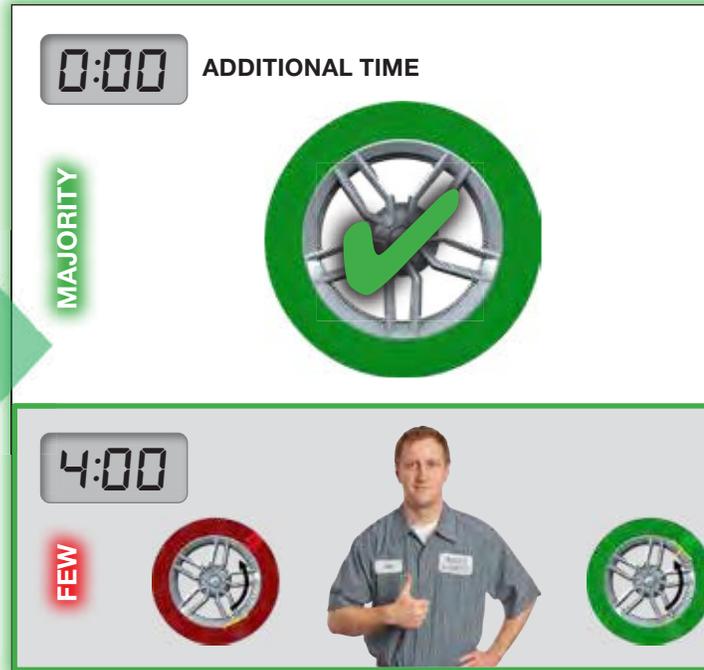
Since customers are performing quality control for the shop, no additional time is required.

Road Force® Elite shops

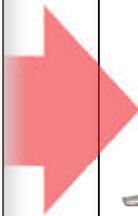
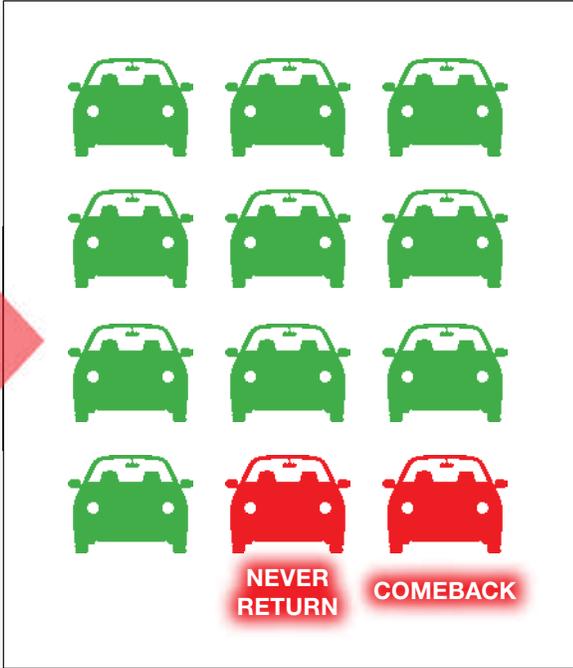
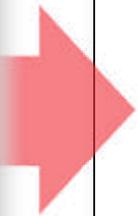


Tire is balanced in less time with Hunter's Road Force® Elite premium diagnostic balancer.

## QUALITY CONTROL DEPARTMENT

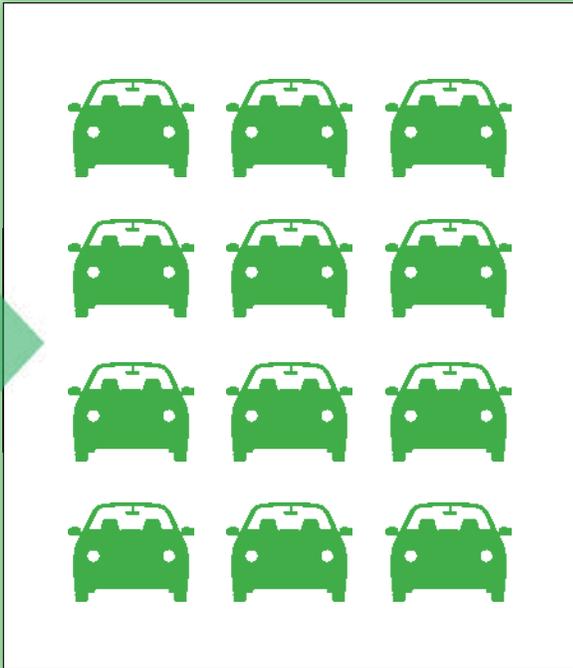
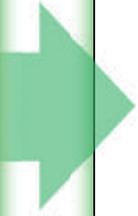


A few tires need to be repositioned on the rim to guarantee a round assembly and a smooth ride. This only adds a few minutes when handled at installation.



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.

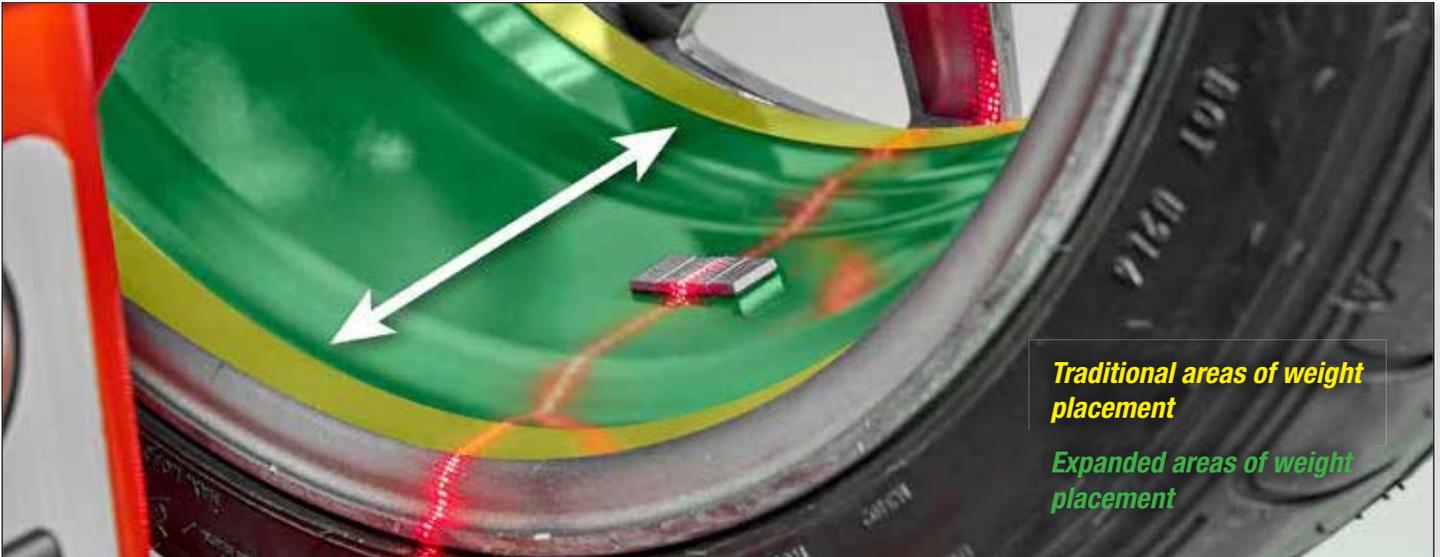


Because the technician tested every assembly, all customers leave happy.

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.*

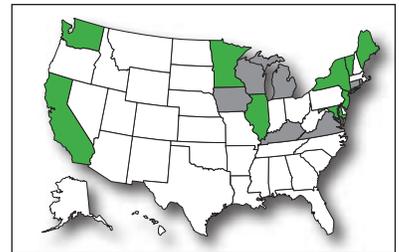
**66**

*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



- ▶ 9 states ban lead weights
- ▶ 7 states have previously introduced legislation to ban lead wheel weights

## Watch Your Savings Grow!



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

PATENTED

# StraightTrak<sup>®</sup> corrects tire pull

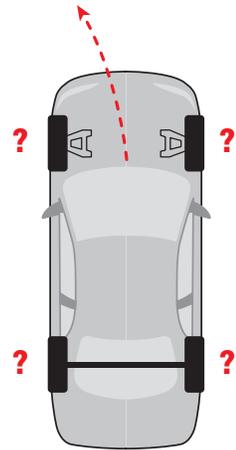
PERFORM LATERAL FORCE MEASUREMENTS WITHOUT TIME PENALTY

## Tires Just Rotated?

Customer complains about vehicle pulling to the left.



### Mysterious Left Pull

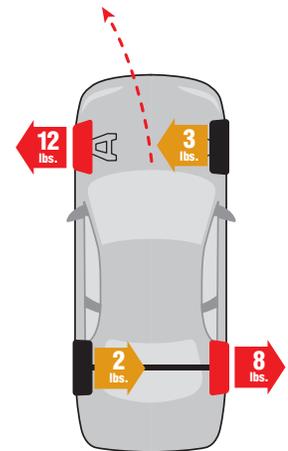


## Measure Lateral Force to Identify Pull

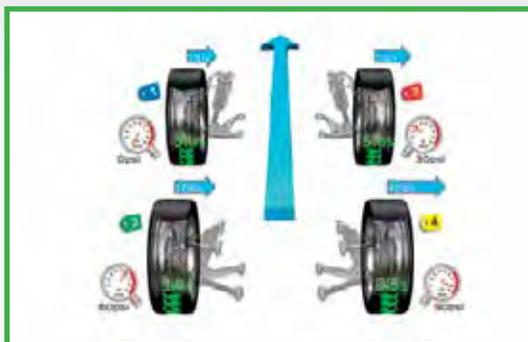
Tire conicity can **ONLY** be measured accurately when the tire is under load.



### Pull Identified

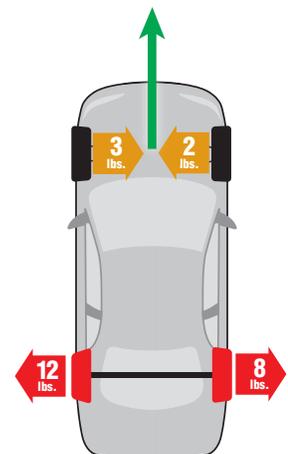


## StraightTrak Delivers the Ultimate in Customer Satisfaction



Hunter suggests optimal wheel placement just like OE manufacturers.

### Pull Eliminated



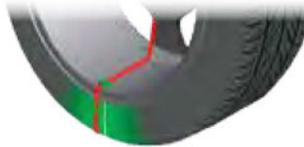
EXCLUSIVE

# Intuitive interface simplifies operation

## Balance operation



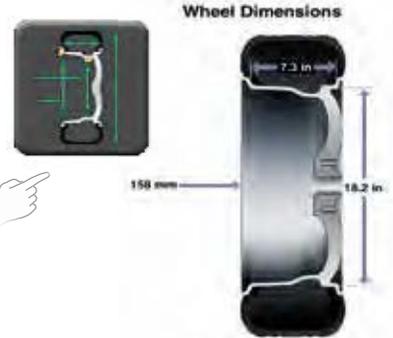
Switch text language with the push of a button



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



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

# Concise information for your business!



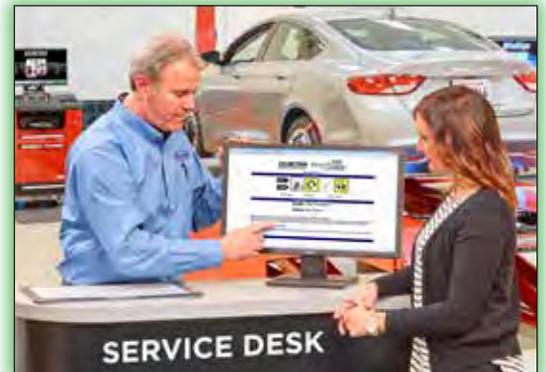
**EXCLUSIVE**

## Vehicle Database with TPMSpecs®

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



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](http://www.GSP9700.com)
- ✓ Tens of thousands of hits each year
- ✓ Customers find you

**Locate a GSP9700  
Road Force® Balancer**





**EXCLUSIVE TO ROAD FORCE® ELITE**

- ✓ Balancing Push Reports
- ✓ 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



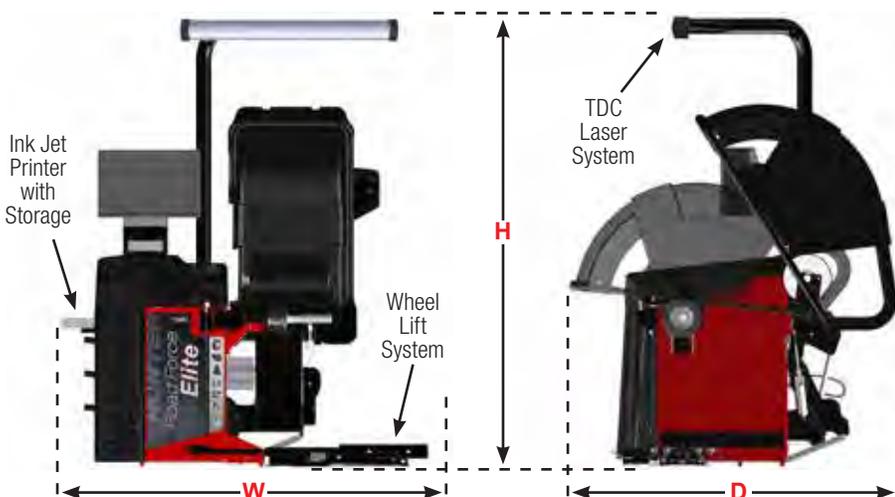
RFE33™ shown

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

# Models\*

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

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