

Road Force® Elite

Customized for BMW vehicles

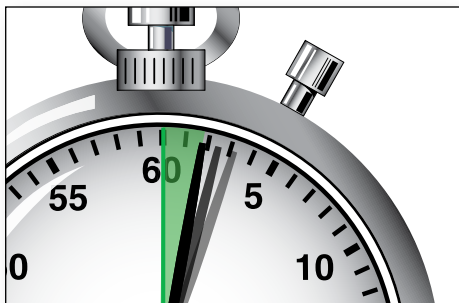
NEW



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®



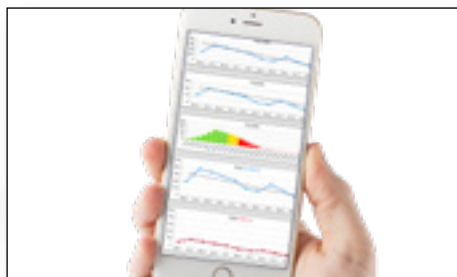
- ✓ Ensure proper centering
- ✓ Eliminate setup errors

PATENTED
Enhanced SmartWeight®



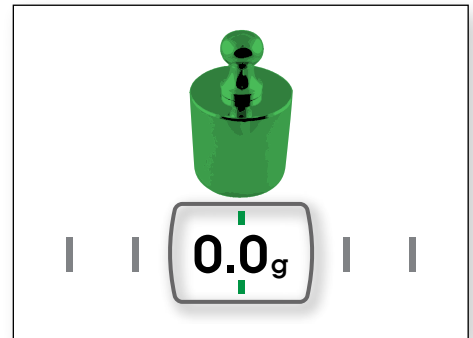
- ✓ Even better balance
- ✓ Maximum efficiency
- ✓ More single weight solutions

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

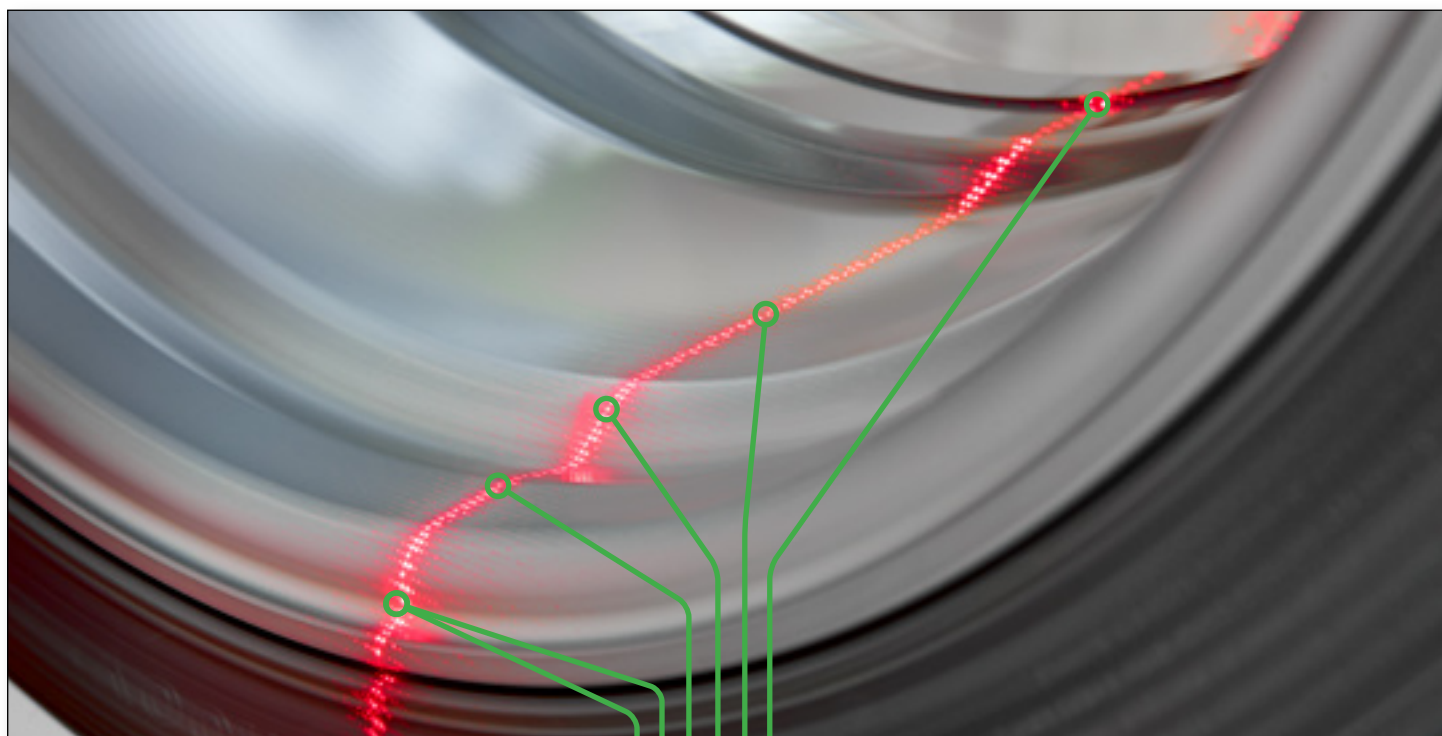


Forcematch prediction
AUTOMATIC



Guided balance

...e 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



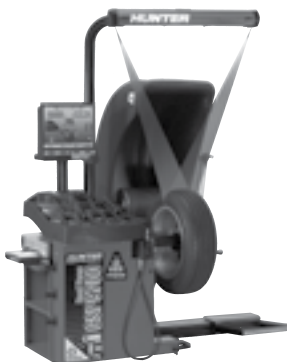
Reduce operator error

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

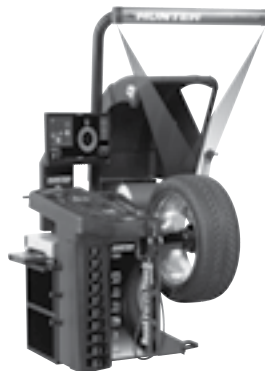
Road Force® Elite performs up to 47% faster than previous models



GSP9712
(Generations 1 and 2)
Up to 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)
Up to 1 year old

**Balance and
measure road force**

1:40

1:40

1:15

1:10

1:51

**47%
improvement!**

**Balance and repair
road force**

3:31

3:31

2:51

**19%
improvement!**

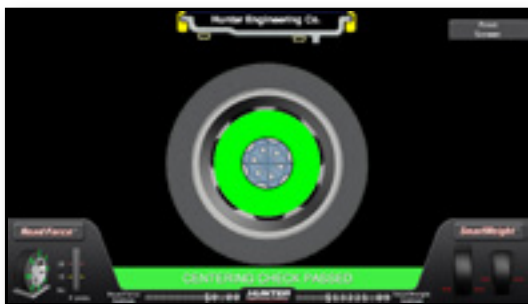
Improving technician performance



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



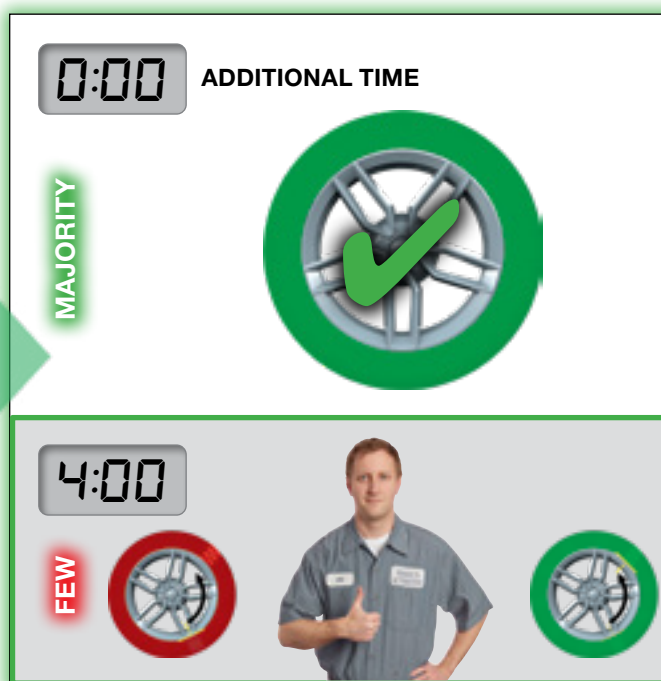
Since customers are performing quality control for the shop, no additional time is required.

Road Force® Elite shops

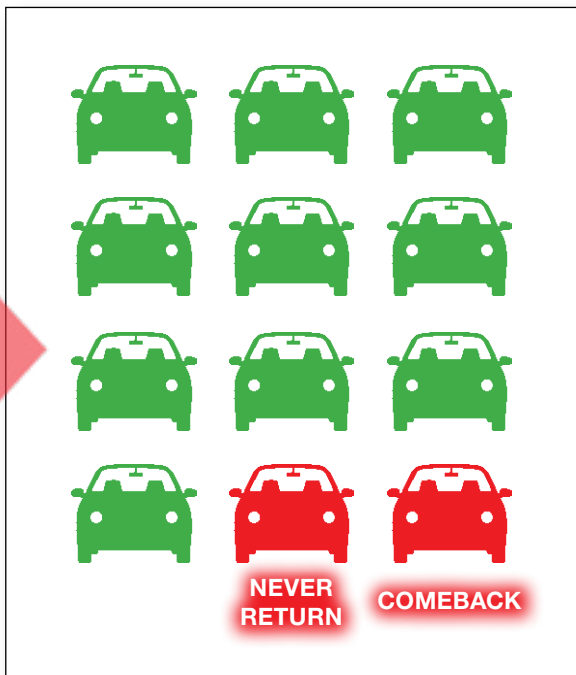


Tire is balanced in less time with Hunter's Road Force® Elite premium diagnostic balancer.

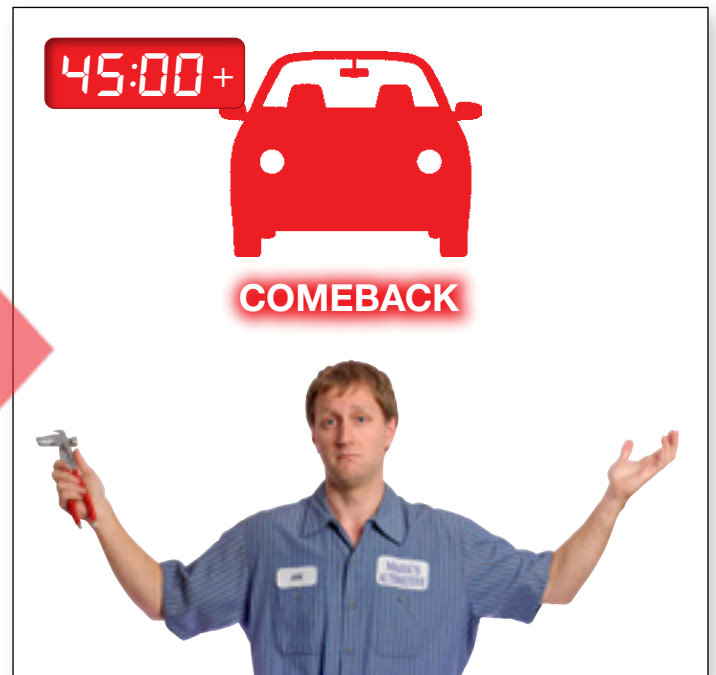
QUALITY CONTROL DEPARTMENT



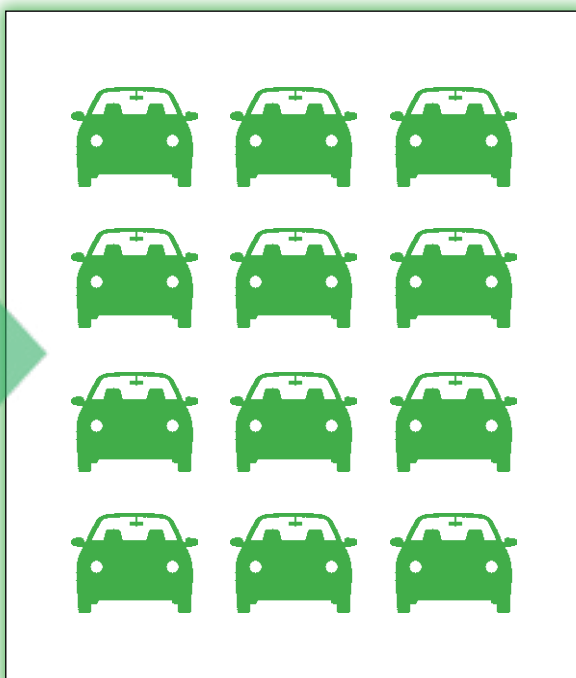
A few tires need to be repositioned on the rim to guarantee a round assembly and a smooth ride. This only adds a few minutes when handled at installation.



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.



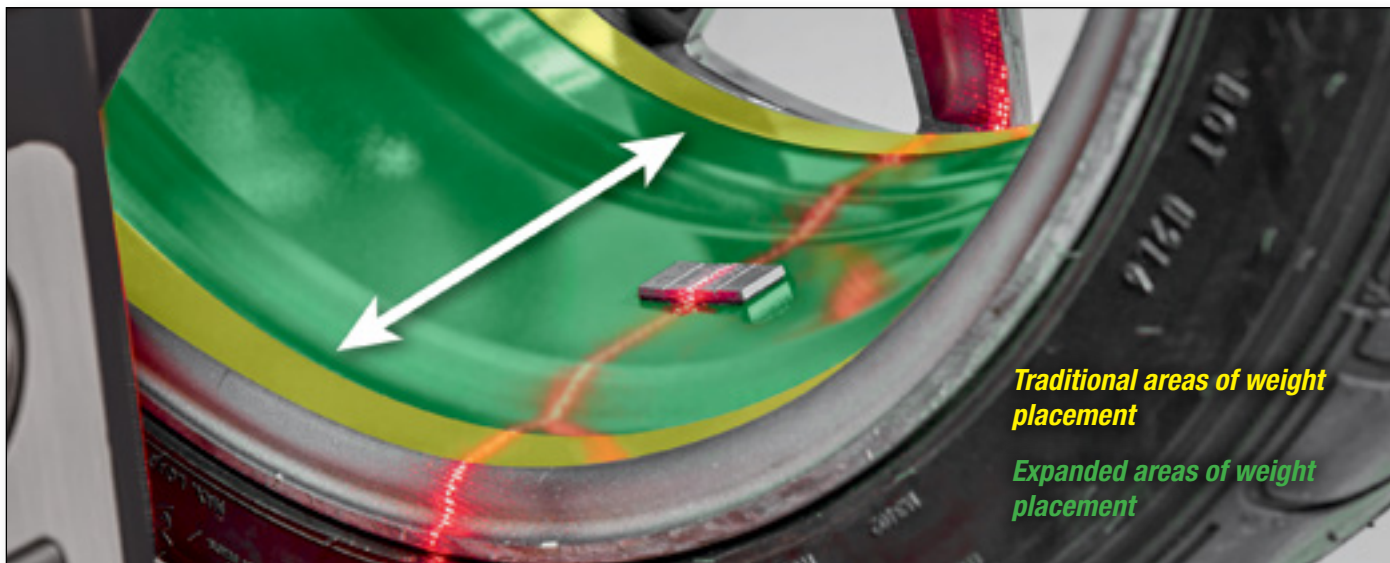
Because the technician tested every assembly, all customers leave happy.



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

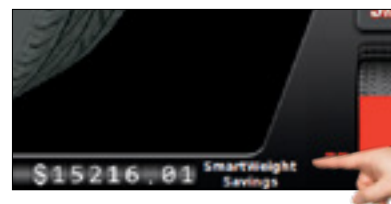
*Avoid an average of **66 comebacks** per year by using SmartWeight.*

202.1

*An average shop saves **202.1 kg** per year with SmartWeight.*



Watch your savings grow!



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

PATENTED

StraightTrak® corrects tire pull

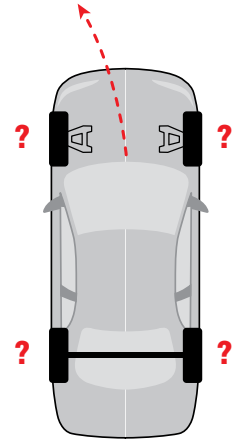
Tires just rotated?

Customer complains about vehicle pulling to the left.



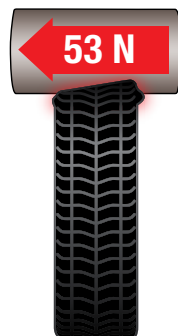
PERFORM LATERAL FORCE MEASUREMENTS WITHOUT TIME PENALTY

Mysterious left pull

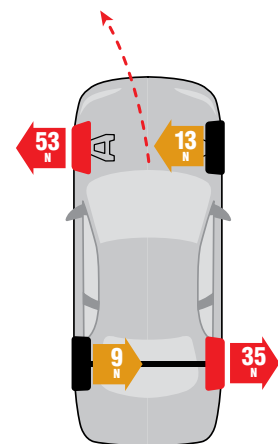


Measure lateral force to identify pull

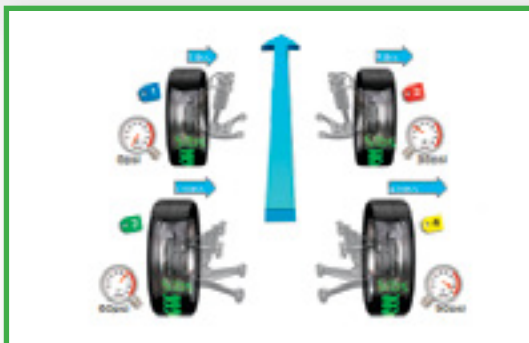
Tire conicity can **ONLY** be measured accurately when the tire is under load.



Pull identified

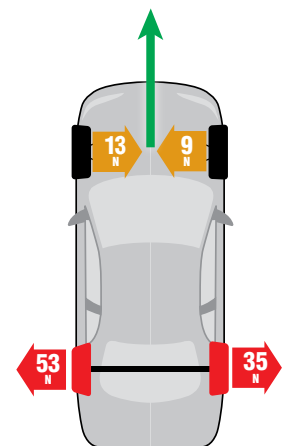


StraightTrak delivers the ultimate in customer satisfaction



Hunter suggests optimal wheel placement just like Original Equipment Manufacturers.

Pull eliminated



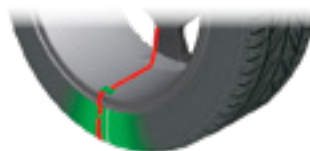
EXCLUSIVE

Intuitive interface simplifies operation

Balance operation



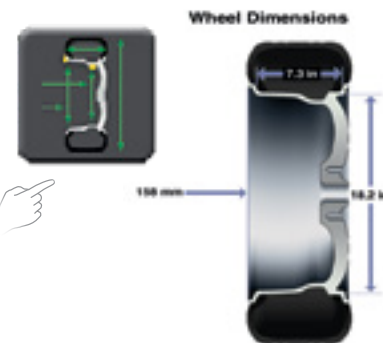
Switch text language with the push of a button



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

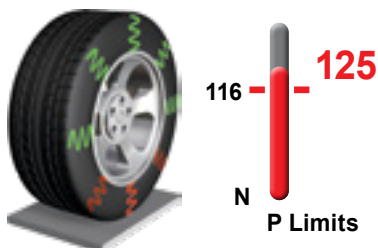


Rim cutaway displays selected weight mode



One touch to display rim dimensions

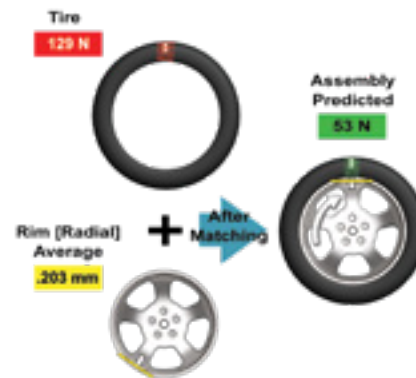
Road Force® operation



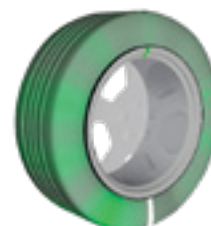
Road Force® panel displays assembly value and limits



Live rim and tire conditions shown on-screen



Simple graphics illustrate how to optimize assembly



Color-coding allows operator to visualize Road Force® variations

Additional features make balancing faster and easier



EXCLUSIVE
Live 3D graphics



Bottom laser and wheel light



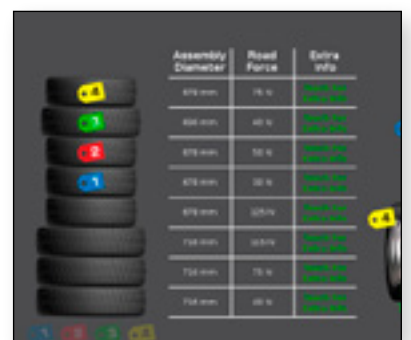
EXCLUSIVE
Most durable shaft in the industry



FASTER
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 All Wheel Drive (AWD) vehicles.

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.

Popular equipment upgrades



Wheel lift

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



SpeedClamp®

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



Adjustable flange plate – 20-1839-1

Optional flange plate kit provides quick setup for maximum coverage



QuickNut – 76-438-2

Optional wingnut allows fast clamping to standard threaded 40mm shafts.



*Hunter offers hundreds of accessories to customize your balancer to your service needs. See form **3203-T** for more information.*



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



RFE30BMWE shown with optional TDC laser system, inkjet printer and shelf storage

Power requirements

196-253V, 10 amp, 50/60 Hz, 1 ph (Power cable includes: NEMA 20 amp plug, L6-20P)

Air supply requirements

7-12 bar (100-175 psi)

Roller force

Variable up to 567 kg (1250 lbs.)

Capacity

Rim width 38 – 521 mm (1.5 – 20.5 in.)

Rim diameter 254 – 762 mm (10 – 30 in.)

Maximum tire diameter 1016 mm (40 in.)

Maximum tire width 508 mm (20 in.)

Maximum tire weight 79 kg (175 lbs.)

Radial and lateral runout accuracy

0.051 mm (0.002 in.)

Displaced imbalance resolution

± 1.4 g (0.05 oz)

Placement accuracy

512 positions, ± 0.35°

Balancing speed

300 rpm

Motor

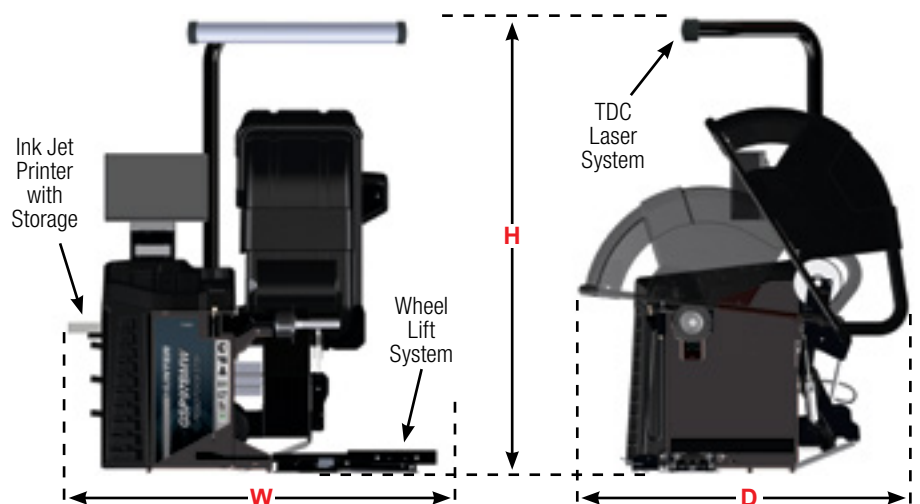
Programmable drive system and DC motor

Models*

RFE30BMWE	
Wheel lift system	✓
SpeedClamp® system	✓
Width (W)	1626 mm 64 in.
Height (H)	1778 mm 70 in.
Depth (D)	1600 mm 63 in.
Weight	395 kg 871 lbs.

* Road Force® Elite 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

11250 Hunter Drive, Bridgeton, MO 63044, USA

Tel: 1-314-731-3020, Fax: 1-314-731-0132

Email: international@hunter.com