Road Force® Elite
The World’s Fastest Diagnostic Balancer
NEW!
Road Force® Elite at a glance

**Exclusive**

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

**Patented**

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

**Unmatched Speed!**

- Up to 1,250 lbs. of force

**Vision System**

- Eliminate error opportunities
- More information in less time

Shown with options
eCal Auto-Calibration

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

Enhanced SmartWeight®

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

HunterNet®

- View balancer usage
- Track weight usage

CenteringCheck®

- Ensure proper centering
- Eliminate setup errors

Touchscreen Interface

- Intuitive interface
- Quickly train new technicians

On-Demand Videos

- Simplify training
- Improve results

On-Demand Videos

- View balancer usage
- Track weight usage

Enhanced SmartWeight®

- Even better balance
- Maximum efficiency
- More single weight solutions
Road Force® Elite vision technology unlocks more benefits in less time!

Standard Balancer Hunter Road Force® Elite

Floor to floor

**1:15-3:00+**

- 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

**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
Road Force® Elite vision technology unlocks more benefits in less time!

- **Reduce operator error**
  - Automatically measures wheel dimensions
  - Automatically selects weight mode
  - Automatically measures rim runout

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Generation</th>
<th>Age</th>
<th>Speed Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSP9712</td>
<td>Generations 1 and 2</td>
<td>Up to 18 years old</td>
<td>1:40</td>
</tr>
<tr>
<td>GSP9722</td>
<td>Generation 3</td>
<td>Up to 10 years old</td>
<td>1:40</td>
</tr>
<tr>
<td>Road Force Touch</td>
<td>Generation 4</td>
<td>Up to 4 years old</td>
<td>1:15</td>
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<tr>
<td>Road Force Elite</td>
<td>Generation 5</td>
<td>Coming April 2016</td>
<td>1:10</td>
</tr>
</tbody>
</table>

**Balance and measure road force**

- GSP9712: 3:31
- GSP9722: 3:31
- Road Force Touch: 2:51
- Road Force Elite: 1:51

**19% improvement!**

**47% improvement!**
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
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
Color-coding allows operator to visualize Road Force variations

Rim cutaway displays selected weight mode
Wheel Dimensions

Simple graphics illustrate how to optimize assembly

Road Force

P Limits

20
15
15
21

20 lbs
15 lbs
21 lbs

Tire
19 lbs
Assembly Predicted
1 lbs

Rim [Radial] Average
.022 in

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.

Road Force Measurement® solves common vibration

Up to 1,250 lbs. of force

SIMULATED ROAD TEST LOCATES STIFFEST POINT ON TIRE

VISION SYSTEM LOCATES LOW SPOT ON RIM
Your customer leaves with a “new car ride”!

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 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.

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

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

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
**StraightTrak® corrects tire pull**

**Tires Just Rotated?**

Customer complains about vehicle pulling to the left.

**Measure Lateral Force to Identify Pull**

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

**StraightTrak Delivers the Ultimate in Customer Satisfaction**

Hunter suggests optimal wheel placement just like OE manufacturers.

**Mysterious Left Pull**

Vehicle just aligned or... Tires just rotated Car pulls left Unknown cause Lateral Force Measurements Shows source of pull Balancer suggests optimal placement Eliminates pull

**Pull Identified**

12 lbs. 8 lbs. 8 lbs. 12 lbs. 2 lbs. 3 lbs. 3 lbs. 2 lbs.

**Pull Eliminated**

12 lbs. 8 lbs. 8 lbs. 12 lbs. 2 lbs. 3 lbs. 3 lbs. 2 lbs.
Let us advertise FOR YOU!

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

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

COMING SOON!
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

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
**Additional features make balancing faster and easier**

- **Live 3D graphics**
- **Bottom laser and wheel light**
- **Most durable shaft in the industry**
- **Integrated Inflation Station**
- **Servo Stop drive control**
  Automatically rotates and holds wheel at top-dead-center or bottom-dead-center weight locations.
- **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

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

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

Models

<table>
<thead>
<tr>
<th>RFE33</th>
<th>RFE32</th>
<th>RFE31</th>
<th>RFE30</th>
<th>RFE23</th>
<th>RFE22</th>
<th>RFE21</th>
<th>RFE20</th>
<th>RFE13</th>
<th>RFE12</th>
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<th>RFE02</th>
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* Extreme wheel sizes may require manual data entry.

** 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.