GSP9700 Road Force®

The World's #1 Diagnostic Balancer

Featuring

SmartWeight® Balancing Technology

HUNTER Engineering Company

The Hunter GSP9700 goes far beyond traditional functions

PATENTED

SmartWeight®

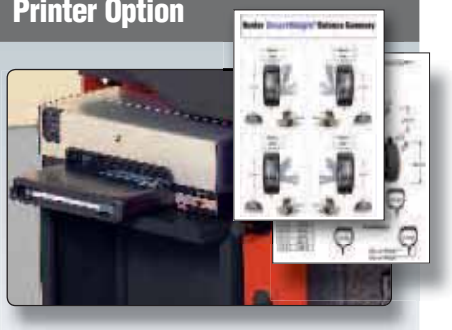
- ✓ Odometer tracks savings
- ✓ Minimizes weight usage
- ✓ Maximizes productivity

STANDARD

Bottom-Dead-Center Laser

- ✓ Speeds tape-weight placement
- ✓ Improves accuracy

Printer Option



- ✓ Helps explain work needed
- ✓ Prints service record

# of a balancer

PATENTED

Load Roller

- ✓ Solves vibration problems
- ✓ Identifies vehicle pulls
- ✓ Provides “new car ride”

PATENTED

CenteringCheck®

- ✓ Ensures proper centering
- ✓ Eliminates setup errors

EXCLUSIVE

HammerHead® Option

- ✓ Speeds clip-weight placement
- ✓ Improves balance

Wheel Lift Option

- ✓ Easily lift wheel assemblies up to 79 kg (175 lbs.)
- ✓ Aids proper mounting

Balance Cycle Time

- ✓ Ensures proper centering
- ✓ Eliminates setup errors

PATENTED

Inflation Station

- ✓ Proper inflation pressure
- ✓ Provides service record

Road Force Measurement® solves your common vibrat

Problem / Solution

Your customer complains about a vibration…

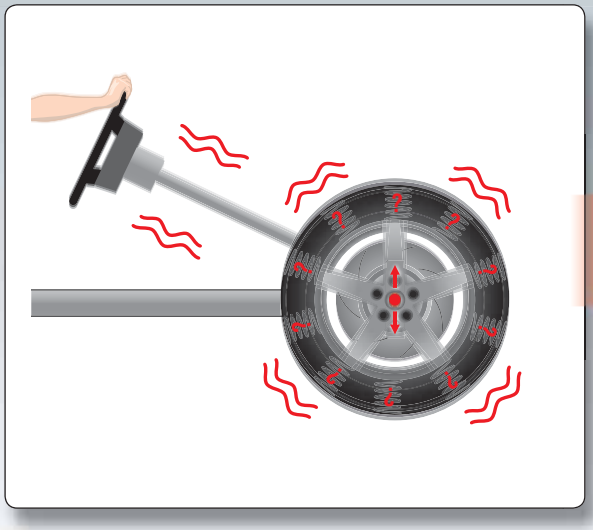
Vibration problems are common and service bulletins recommend the GSP9700 to solve them.

A simulated road test pinpoints the problem

The GSP9700 balancer identifies the tire and rim contributions to radial 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 GSP9700 balancer detects radial-forces with sensitive instruments.

Hunter exclusive benefit.

tion problems

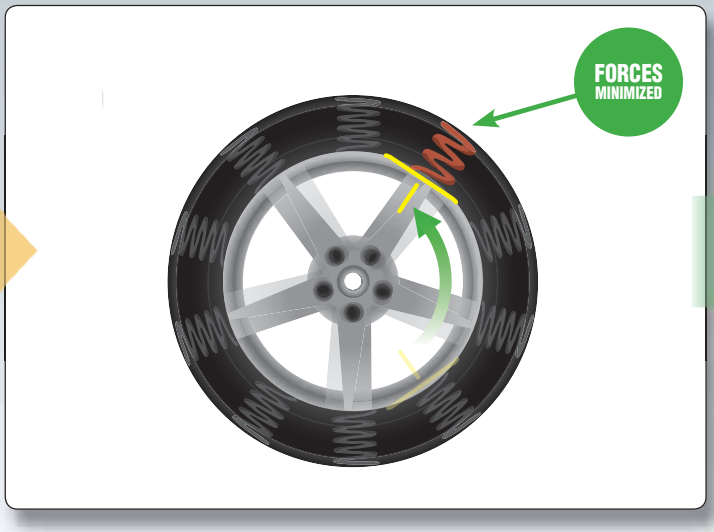
Hold the tire and rotate the rim

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”!

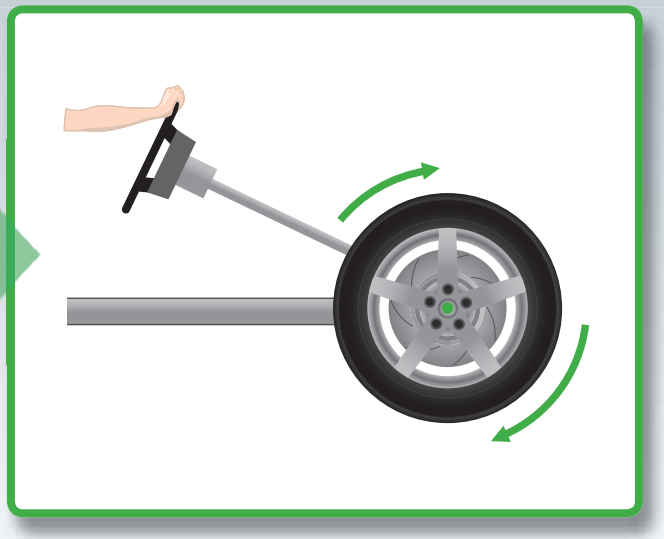
Your customer experiences a smooth ride on the same tires and wheels.

Match-mounting cancels the vibration



The GSP9700 duplicates tire/rim matching methods used by the original equipment manufacturers.

Your customer leaves with a “new car ride”!



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

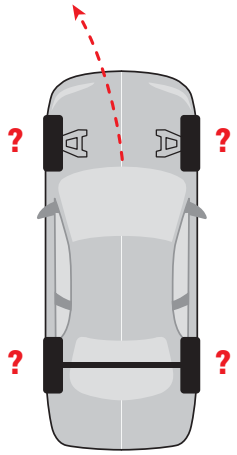
STANDARD

StraightTrak® corrects common pulls

Tires Just Rotated?

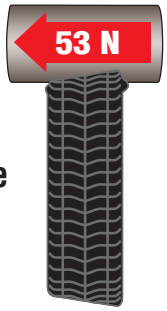
Customer complains about vehicle pulling to the left.

Mysterious Left Pull

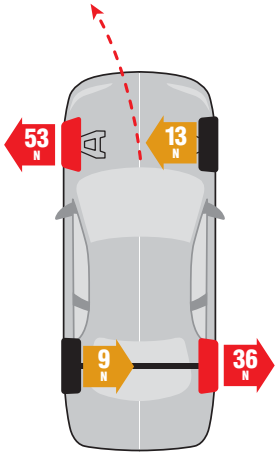


Measure Lateral Force to Identify Pull

Tire conicity can <u>ONLY</u> be measured accurately when the tire is under load.



Pull Identified

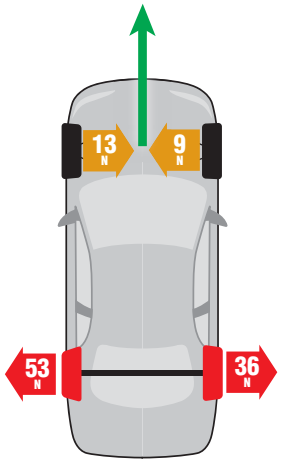


PATENTED

StraightTrak Delivers the Ultimate in Customer Satisfaction

Hunter suggests optimal wheel placement just like the original equipment manufacturers.

Pull Eliminated



Revolutionary SmartWeight® by the numbers

PATENTED

SmartWeight
Balancing Technology

- Minimizes weight usage
- Maximizes productivity
- Reduces comebacks

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

30% — *SmartWeight can save 30% or more in correction weights.*

What this means for you at 10 vehicles per day…

View Your Savings LIVE!

- Track your weight savings

202132 g — *An average shop saves 202132 g per year with SmartWeight.**

25 hrs — *SmartWeight saves 25 labor hours per year with efficient weight applications.***

Watch Your Investment Grow

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

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

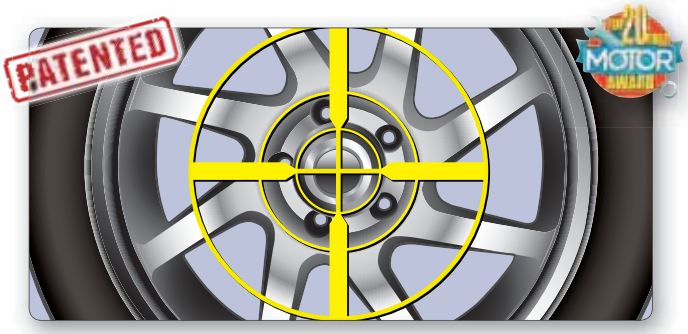
* Calculations based on 10 vehicles per day in a standard working year. Performance differences are those of a SmartWeight-equipped balancer vs. a traditional wheel balancer.

** Time savings are calculated from comparing single- and no-weight applications when using SmartWeight versus the typical two-weight application of standard balancers.

*** Comeback avoidance is calculated based on residual static imbalance left by standard balancers versus SmartWeight balancers.

Hunter exclusive benefit.

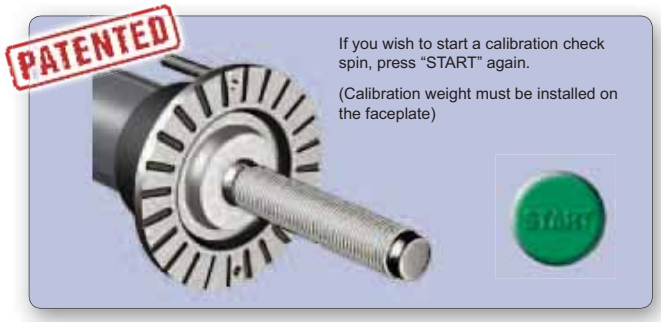
Additional features make balancing faster and easier



CenteringCheck®

Balancer will tell you if the wheel is properly centered before you proceed with the work.

- ***Eliminate the #1 cause of comebacks***



Quick Cal-Check

Quickly verify balancer calibration in seconds without the use of a reference wheel.

- ***Ensures proper calibration***

Automatic Mode Detection

Eliminate the need to select the balance mode and reduce service time and possible mode entry errors.

- ***No need to push buttons***

TranzSaver™

Compares tire circumferences as specified by the original equipment manufacturers to prevent damage to AWD vehicles.

- ***Prevents costly mistakes***

Servo Stop Drive Control

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

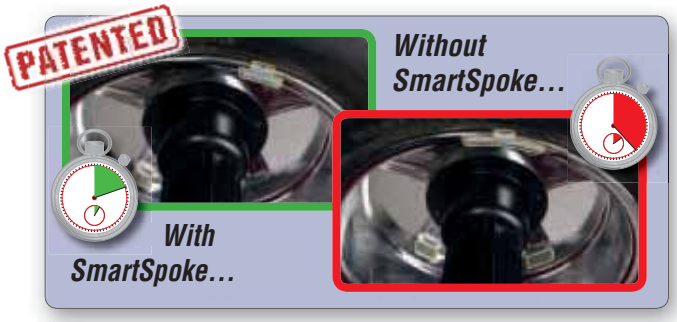
- ***Saves time and increases balancing accuracy***

Inflation Station

Provide proper inflation pressure with convenient automatic controls.

- ***Record each tire's pressure, before and after inflation***

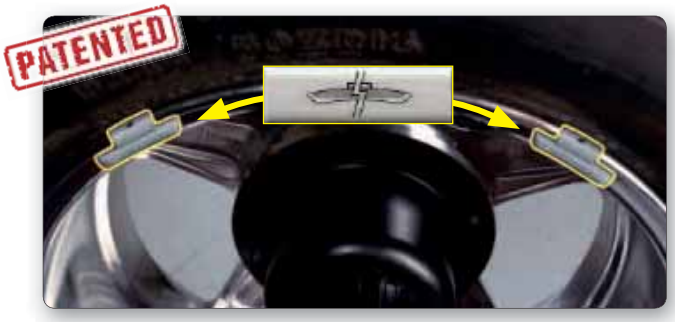
Hunter exclusive benefit.



SmartSpoke®

Locates optimal adhesive weight location behind one wheel spoke instead of multiple weights and spokes.

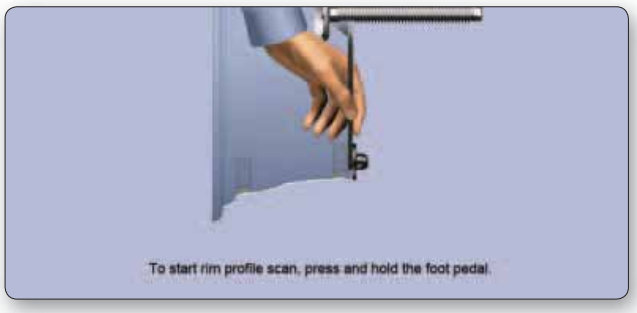
- ***Minimizes labor time, reduces weight use***



Split Weight®

Allows shifting of weight position to avoid obstructions.

- ***Helps reduce inventory of large weights***



Rim Scan

Weight optimization feature that traces the exact contour of the rim for greater accuracy.

- ***Helps with custom or difficult rims***

Patch Balance®

Determines placement of weighted patches inside tire.

- ***Ideal for use with oversized custom wheels and tires***

Integrated Wheel Lift Option

Provides safe servicing of today's heavy, oversized wheels.

- ***Precisely center all wheels***

AutoClamp Option

Clamp adaptor is positioned and tightened automatically.

- ***Eliminates use of the wingnut***

Popular optional equipment upgrades

EXCLUSIVE

HammerHead® Top-Dead-Center Laser Option

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

Incorrect

Correct

Printer Option

- Print Road Force Measurement test results
- Show your customers their results

Convenient Storage Options

Available as a balancer-mounted or mobile caddy model

Accessories Available For All Your Balancing Needs

Small sample of common accessories

Hunter offers hundreds of accessories to customize your balancer to your service needs.

See Form 3203-T for more information.

Specifications*

Power requirements:
230V (+10%/-15%), 10 amp, 50/60 Hz, 1 ph
(Power cable includes: NEMA 20 amp plug, L6-20P)

Roller force: Variable up to 567 kg (1,250 lbs)

Capacity:
Rim width: 64 mm to 508 mm (2.5 in to 20 in)
Rim diameter: 229 mm to 864 mm (9 in to 34 in)**
ALU: 191 mm to 864 mm (7.5 in to 34 in)**
Maximum tire diameter: 1016 mm (40 in)
Maximum tire width: 508 mm (20 in)
Maximum assembly weight: 79 kg (175 lbs)

Radial & lateral runout accuracy: 0.051 mm (0.002 in)

Radial force measurement accuracy: 1.0 kg (2 lbs, 10N)

Imbalance resolution: ± 0.28 g (0.01 oz)

Placement accuracy: 512 positions, ± 0.35°

Balancing speed: Variable rpm, direction and torque (0-300 rpm)

Motor: Programmable drive system and DC motor

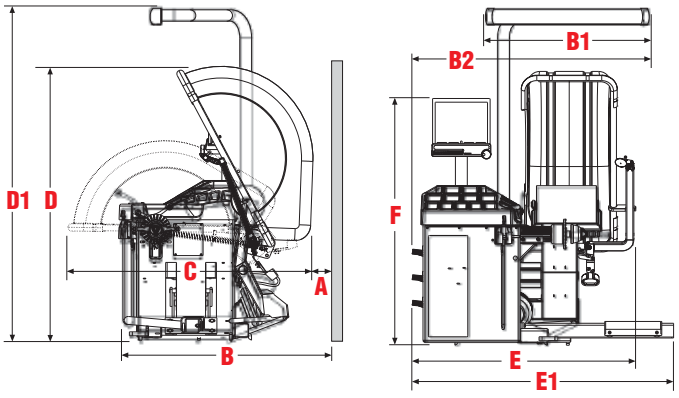
Air supply requirements: 7 ± 12 bar (100-175 psi)

Shipping weight: 295 kg to 385 kg (650 lbs to 850 lbs)
with wheel lift: 340 kg to 430 kg (750 lbs to 950 lbs)

* Some dimensions, capacities and specifications may vary depending on model, accessories and tire and wheel configurations.

** Extreme wheel sizes may require manual data entry.

Hunter GSP9700 Dimensions†



A	254 mm (10 in)	D	1854 mm (73 in)
B	1562 mm (61.5 in)	D1	2184 mm (86 in)
B1	1041 mm (41 in)	E	1435 mm (56.5 in)
B2	1473 mm (58 in)	E1	1676 mm (66 in)
C	1575 mm (62 in)	F	1626 mm (64 in)

† *Shown with optional wheel lift and HammerHead® feature.*

See GSP9700.com for additional information!

Models and configurations

Model	Clamping System	StraightTrak®	Wheel Lift
GSP972217E	Standard wingnut	✓	
GSP972219E	Standard wingnut	✓	✓
GSP972317E	Pneumatic AutoClamp	✓	
GSP972319E	Pneumatic AutoClamp	✓	✓
GSP972417E	Quick-thread wingnut	✓	
GSP972419E	Quick-thread wingnut	✓	✓

Monitors, printers, mounting cones, spacers and other mounting adaptors are purchased separately.



Be sure to check out other Hunter literature for more quality products from Hunter Engineering.

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

An overview of Hunter

Hunter Engineering Company was founded in 1946 by auto service equipment pioneer Lee Hunter, Jr., inventor of the first quick-charge battery changer, the first on-the-vehicle balancer, and many alignment principles currently in use.

Today, Hunter Engineering Company designs, manufactures and markets a full line of award-winning undercar service equipment including:

- ✓ wheel alignment systems
- ✓ wheel balancers
- ✓ tire changers
- ✓ vehicle inspection systems
- ✓ lift racks
- ✓ brake lathes

Hunter's presence in the international market is strengthened by a growing network of over 95 distributors covering nearly 130 countries around the world. In 2002, Hunter established Hunter Deutschland GmbH, a wholly owned subsidiary office in Germany, to enhance our relationship the European automotive market.

Hunter Engineering World Headquarters
Bridgeton, Missouri, USA

Industry leaders recommend Hunter

0211DH

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Form 4159-TE-05, 03/11
Supersedes 5606-TE-05, 06/07