

# ***GSP92BMW***

## ***Computerized LCD Wheel Balancer***

**Customized for use in all BMW, Mini and  
Rolls Royce Workshops Worldwide**



***HUNTER***  
***Engineering Company***

# GSP92BMW Wheel Balancer

The Hunter GSP92BMW provides fast, accurate service in an easy-to-operate LCD wheel balancer that can increase the productivity and profitability of any shop.

Intuitive software features combined with the patented ServoDrive™ programmable drive system speed service and reduce costs. Automated procedures assist even the most novice technicians in quickly becoming wheel balancing experts.

The graphic LCD display presents all procedural screens in an easy-to-understand Hunter-designed “soft-key” interface that makes advanced features easy to use – something so important with today’s changing wheel balancing requirements.



The patented ServoDrive programmable DC drive system offers the operator complete control and the fastest possible balancing service. The wheel can be rotated in either direction with variable speed and torque. Clip-on and tape weight locations are automatically positioned for application, while the Servo Push feature provides quick movement to the next weight position.

# Graphic LCD Monitor

- Produces large, easy-to-read data input display to speed service.
- Guides the user through calibration, diagnostics and setup with screen prompted instruction.
- Communicates data with simple color graphics. Ensures that operators can easily access features required to balance modern alloy wheels.



# Dataset® Arms Speed Cycle Time

## Inner Dataset® Arm



Inner Dataset® arm determines exact placement for weights and automatically measures weight positions on wheels up to a 30 inch (762 mm) diameter.

## Automatic Double Dataset® Arms



Inner and Outer Dataset® arms speed wheel data direct-measure input and placement of clip-on or adhesive weights, increasing accuracy and allowing more single-spin balances.

**NEW!**

## Automatic Weight Mode and Location Detection\*\*

This feature eliminates the need for the technician to select balance modes, reducing service time and possible mode entry error. Balance mode is selected automatically based on the position chosen for the Inner Dataset arm or Outer Dataset arm.

*When the technician places the Inner Dataset® arm...*



*... DOWN inside the wheel, the balancer automatically selects "Tape-Weight Mode".*



*... UP on the wheel, the balancer automatically selects "Clip-Weight Mode".*



## Patch Balancing® Feature

The perfect choice for oversized custom wheels and tires. With 4x4 and street cruiser tire weights growing in size, the Patch Balancing® feature solves excessive clip-on or adhesive weight balance problems by using weighted patch(s) inside the tire. Rim-mounted weights can be reduced or eliminated. Increase profits by balancing oversize tires that others turn away.

# Exclusive Features Make Expert Balancing Easier and Faster



## Optional AutoClamp Feature\*\*

The optional AutoClamp is positioned and tightened automatically saving time and effort. There are no time-consuming shaft threads to take up and no additional wing nut tightening is required.



## CenteringCheck® Feature\*

This patented feature, exclusive to Hunter wheel balancers, ensures that the wheel is properly centered when mounted on the balancer, eliminating guesswork when choosing mounting accessories or set-up errors on problematic wheels.



## Split Clip-Weight™ Mode\*

- Exclusive Split Clip-Weight™ mode key splits the clip weight into two smaller weights and relocates them on the wheel. Repeated use of the key presents multiple split-weight choices.
- Eliminate weight inventory over 60 gram increments on passenger-car and light-truck applications.
- Shift the weight position to avoid obstructions, such as trim ring clips.

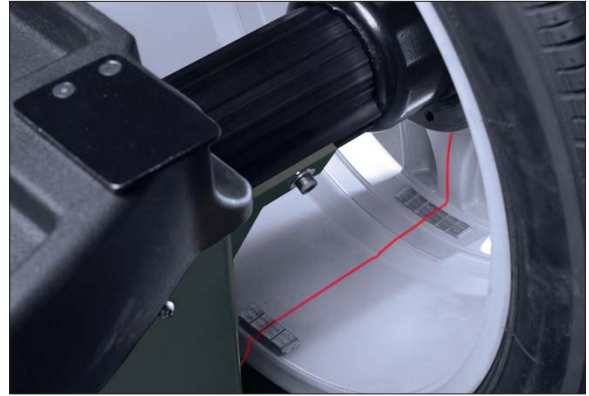
# Exclusive Features Make Expert Balancing Easier and Faster

## Servo Stop and Servo Push Drive Control\*



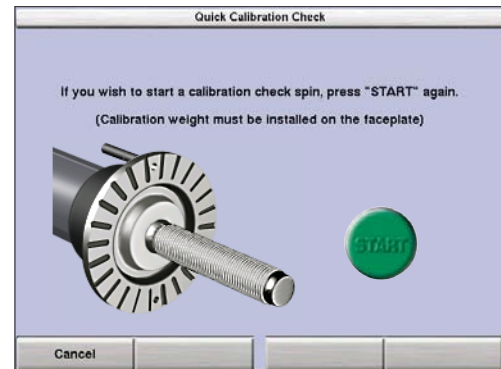
- Servo Stop automatically rotates and holds the wheel at the desired top-dead-center clip-weight or bottom-dead-center adhesive-weight location.
- Servo Push operates with a push of the wheel, automatically rotating the wheel to the next weight placement position.

## BDC Adhesive Weight Placement Laser



- Activated by the ServoDrive™ system, the BDC laser line automatically identifies the bottom-dead-center position for fast adhesive-weight application.
- Helps guide operator to optimal location for correct weight placement.

## Quick Cal-Check® Calibration Feature\*



Just attach the calibration weight and press "START". In just a few seconds, this patented and exclusive feature confirms balancer calibration.

## Spindle-Lok® Brake Feature



The Spindle-Lok® Brake feature and Dataset® arms aid in minimizing cycle time – up to 40% faster than major competitors' wheel balancers.



Tapping the foot brake activates entry and storage of wheel data. The foot brake also locks the spindle for easier tightening and loosening of the wing nut.

# HammerHead™ TDC Clip-Weight Placement Laser System

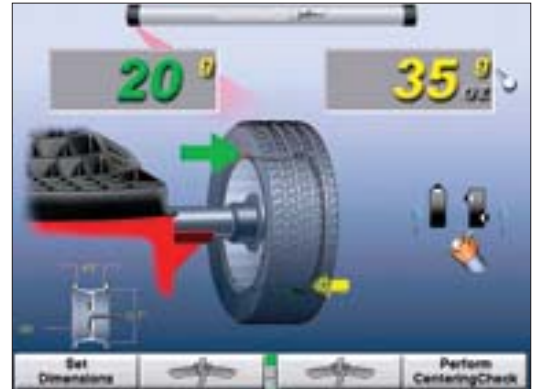


The patented HammerHead™ TDC weight placement laser is a new option for GSP wheel balancers that speeds clip-weight balancing service. Activated by the ServoDrive™ system, the HammerHead weight-placement laser lines are projected onto the top-dead-center of the rim flange when the wheel weight position is automatically located.

The HammerHead TDC laser increases balance accuracy, productivity and shop profitability and ensures weight attachment accuracy, resulting in more single-spin balances and superior ride satisfaction. An added fluorescent light illuminates the operator's work area.



HammerHead option can be added ordering part number 20-2166-1.

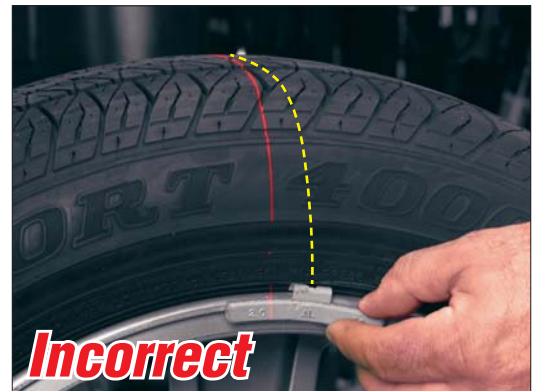


*Top-dead-center laser lines are projected onto the rim flange when the wheel weight position is located.*

## Clip-Weight Placement



*Precision wheel weight placement is fast and easy using the HammerHead TDC laser as a guide.*



*Angle errors from even slight misjudgment of the TDC location lead to an inferior and time-consuming balance with excessive checkspins.*

# Specifications

**Power Requirements:** 230V (+10%/-15%), 3 amp, 50/60-Hz, 1-ph.  
(Power cable includes NEMA 20 amp plug, L6-20P)

## Capacity:

Rim Width: 38 mm (1.5 in.) to 508 mm (20 in.)  
Rim Diameter: 254 mm (10 in.) to 762 mm (30 in.)  
ALU: 191 mm (7.5 in.) to 965 mm (38 in.)  
Maximum Tire Diameter: 965 mm (38 in.)  
Maximum Tire Width: 508 mm (20 in.)  
Maximum Tire Weight: 68 kg (150 lbs.)

**Imbalance Resolution:** +/- 1 gm or +/- 0.05 oz.

**Placement Accuracy:** 512 positions (+/- 0.7 degrees)

**Balancing Speed:** 150 RPM

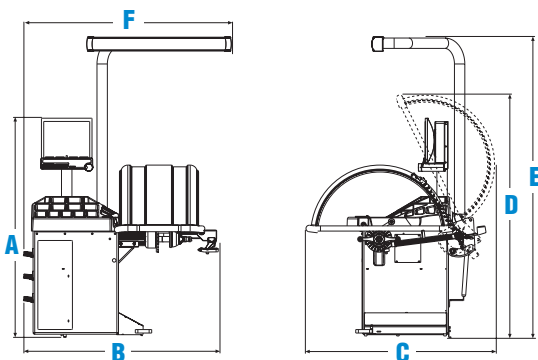
**Motor:** "Intelligent" programmable drive system and DC motor

**Air Requirements (For Optional AutoClamp):** 100-175 psi (7 ± 12 bar)

**Certification:** U.L., C.E., PTB, DIN IEC 38

**Shipping Weight:** 215 kg (475 lbs.)

\* Some dimensions, capacities and specifications may vary depending on tire and wheel configuration.



## GSP92BMW Dimensions

- A** 1626 mm (64 in.)
- B** 1435 mm (56.5 in.)
- C** 1575 mm (62 in.)
- D** 1791 mm (70.5 in.)
- E** 2184 mm (86 in.)
- F** 1473 mm (58 in.)



**GSP92BMW Wheel Balancer shown with optional HammerHead™ feature.**

## Standard Accessories

- 192-165-2:** Cone, BMW
- 175-340-2:** BMW Flange Plate Kit
- 46-511-2:** Spacer, Small Wheel (Mini Cooper)
- 76-379-2:** Shaft Ring, Cone Retainer
- 46-320-2:** Spacer
- 223-68-1:** Ring, Pressure
- 221-659-2:** Scraper, Adhesive Weight
- 65-72-2:** Calibration Weight, Balancer

## Optional Accessories

- 20-2143-1:** Inkjet color printer and side mounted printer/accessory support kit
- 20-2166-1:** HammerHead Top-Dead-Center Clip-Weight Placement Laser

**For further adaptor options and details, see Form 3203T.**



**LASER LIGHT**  
DO NOT STARE INTO THE BEAM OR VIEW  
DIRECTLY WITH OPTICAL INSTRUMENTS  
CLASS 2M LASER PRODUCT

**LASER LIGHT**  
DO NOT VIEW DIRECTLY  
WITH OPTICAL INSTRUMENTS  
CLASS 1M LASER PRODUCT

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

CenteringCheck, Dataset, HammerHead, Quick Cal-Check, Quick-Thread, ServoDrive, SmartSpoke, Spindle-Lok, Split Spoke, and Split Weight are trademarks of Hunter Engineering Company.

# HUNTER Engineering Company

11250 Hunter Drive, Bridgeton, MO 63044 U.S.A.

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

E-mail: international@hunter.com

Visit our Website: [www.hunter.com](http://www.hunter.com)