HOFMANN®

# geodyna® 9000P


EV READY

## PREMIUM SERVICE BALANCER

ENGINEERING UNLEASHED™

geodyna® 9000P

# GEODYNA® 9000P DIAGNOSTIC CAR WHEEL BALANCER WITH TOUCH SCREEN AND 3D CAMERA TECHNOLOGY

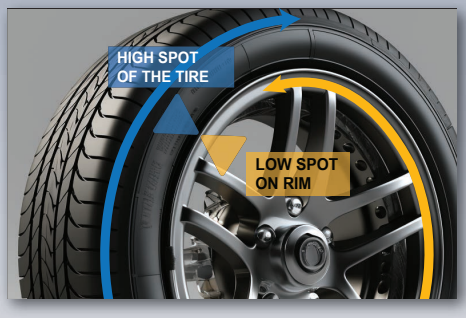
Fully automated diagnostic wheel balancing machine, the geodyna® 9000P utilizes five high-resolution cameras to generate an all-encompassing 3D mapping system, thoroughly capturing every detail of the rim and tire profile. The precision of our 3D runout measurement reaches a commercial-grade level, providing invaluable assistance to technicians in identifying wheel balance complexities. Leveraging exceptional diagnostic features like tread depth analysis, tire wear-out prediction, uneven wear diagnosis, and automatic balance measurements, technicians can effectively detect weight and shape anomalies, flat spots, and incorrect bead seating. The user-friendly software interface and touchscreen display provide intuitive, step-by-step instructions throughout the balancing procedure, increasing efficiency while mitigating operator errors. Our exclusive OptiLine™ technology addresses drivability issues caused by tire imperfections, then analyzes the data from the wheelset and intelligently recommends optimal wheel positions to rectify tire pulling and steering wheel vibration concerns. As a proficient wheel balancing system endowed with world-class diagnostic capabilities, the geodyna® guarantees technicians the ability to achieve consistently accurate balancing results across a diverse array of wheels.

## FULLY AUTOMATIC

Experience next-level wheel balancing with this fully automatic wheel balancer, utilizing a scanner to acquire data entry for precise wheel dimensions. Streamline operations, ensure accuracy, and elevate workshop efficiency in one sleek unit.

## RUNOUT MEASUREMENTS

A vast array of measurement points are meticulously captured with an impressive resolution of 0.004" (0.1 mm). This data is utilized to model a 3D graphic of the tire and wheel assembly, enabling a comprehensive assessment of its uniformity. The resulting analysis determines the radial runout, presenting peak-to-peak measurements spanning from the first to the third harmonic.



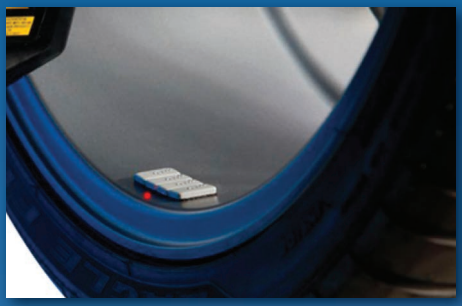

## MATCH MOUNTING

Employing sophisticated techniques, this process optimizes the assembly of the tire onto the rim, reducing the need for excessive weight addition. By achieving a more balanced distribution, it enhances overall performance and minimizes potential vibrations.

# GEODYNA® 9000P
# THE DIAGNOSTIC WHEEL BALANCER

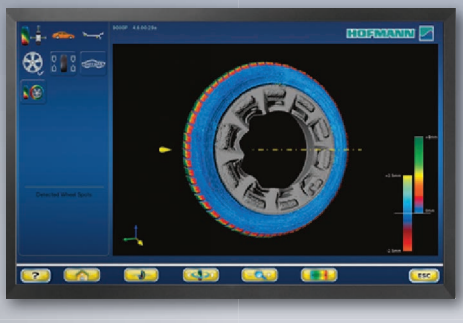

## EASYWEIGHT™

Streamlining weight placement, this precision-focused system eliminates guesswork. It employs a laser to precisely indicate the exact location for weight application, ensuring meticulous balancing and accurate results.



## POWER CLAMP™

Utilizing advanced electromechanical technology, this balancer incorporates a power clamping device that consistently and reliably secures the wheel with a constant force. This ensures exceptional accuracy and repeatable results every time.




## LASER 3D SURFACE MAPPING

Leveraging cutting-edge technology comprised of a high-resolution camera and laser-based sensors, this innovative feature facilitates detailed analysis of the tire sidewall. It accurately assesses parameters such as tread depth, wear, and surface irregularities.


## OPTILINE™ WHEEL SET OPTIMIZATION

Utilizing a pre-established set of criteria, OptiLine intelligently identifies and recommends the most favorable position for each wheel, effectively resolving any concerns associated with pull or vibration.

## TOUCHSCREEN INTERFACE

Boasting a rapid and intuitive interface, this system incorporates a large touchscreen display with easy-to-read digits. Additionally, colored weight position indicators enhance speed, ease of use, and overall ergonomics, facilitating daily operations.

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## AUTOMATIC DATA ENTRY

Eliminating the need for manual input, this intelligent machine automatically detects wheel dimensions and selects the appropriate balancing mode, weight type, and weight position. This automation accelerates the balancing cycle, reduces operational errors, and enhances efficiency.

## AUTOMATIC SPOKE DETECTION

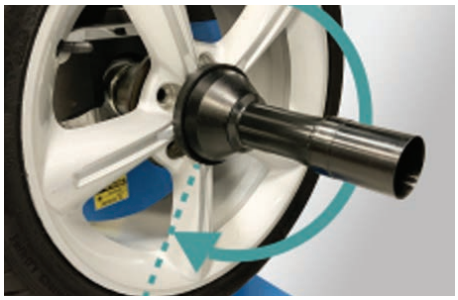
A laser scanner automatically detects the number and position of rim spokes, guiding optimal weight placement behind them for precise balancing with split weights.

## EZ-COLLETS

The EZ-Collets mobile app helps technicians find the right collet, flange plate or speed plate for their job by selecting the vehicle. They can then compare and assess the available tools' benefits.

## REPORT

Easily generate reports on the local network (additional hardware required) or save as PDFs on a flash drive, facilitating convenient sharing of detailed information with customers for documentation or reference.



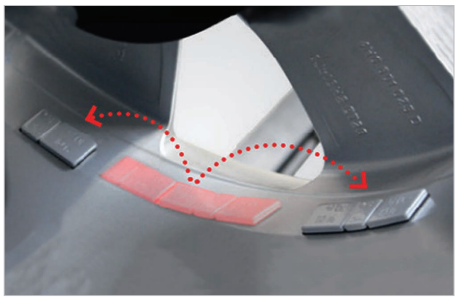
## STOP IN POSITION

By simply touching the screen, users can prompt the system to automatically rotate the wheel to the precise position for weight application. This convenient feature streamlines the process and enhances operational efficiency.

EV READY

## OPTIMIZED FOR EV WHEELS

Optimize balancing wheels, including EV, with the latest technology and precise engineering.



## SPLIT WEIGHT MODE

This feature ensures accurate balancing and discreet weight concealment behind spokes, maintaining the wheel's aesthetic appeal and visual presentation.

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Part Number | EEWB771AP230 |
| Automatic Rim Diameter Range | 14" - 26" \| 35.5 - 66cm |
| Automatic Rim Width Range | 3" - 15" \| 7.6 - 38cm |
| Manual Rim Diameter Range | 8"- 32" \| 20 - 81cm |
| Manual Rim Width Range | 1"- 20" \| 2.5 - 51cm |
| Max Wheel Diameter | 37" \| 94cm |
| Max Wheel Weight | 154 lbs. \| 70 kg |
| Power Supply | 230V 1Ph 60Hz |
| Dimensions HxWxL | 65"x61"x64" \| 165x155x163cm |

## STANDARD ACCESSORIES

- Four Cone Set
- Rim Width Caliper
- Weight Pliers
- Weight Remover Tool

## OPTIONAL ACCESSORIES

- Basic Light Truck Cone Kit (8100068)
- Low Taper Centering 9 Piece Collet Set (EAK0375G07A)
- Power Clamp Speed Plate Kit (EAK0390G25A)
- Storage Stand (EAK0309J67)
- Speed Plate Kit with Collets and Storage Stand (EAK0309J33C)

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