HOFMANN®

geodyna® 9000P

EV READY

PREMIUM SERVICE BALANCER

ENGINEERING UNLEASHED™

geodyna® 9000P

DIAGNOSTIC CAR WHEEL BALANCER WITH TOUCH SCREEN AND 3D CAMERA TECHNOLOGY

A fully automated diagnostic wheel balancing machine, the geodyna® 9000P utilises five high-resolution cameras to generate an all-encompassing 3D mapping system, thoroughly capturing every detail of the rim and tyre profile. The precision of our 3D runout measurement reaches a commercial-grade level, providing invaluable assistance to technicians in identifying wheel balance complexities.

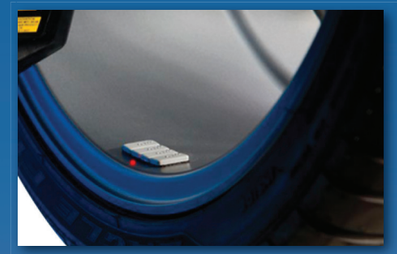
Leveraging exceptional diagnostic features like tread depth analysis, tyre wear-out prediction, uneven wear diagnosis, and automatic balance measurements, technicians can effectively detect weight and shape anomalies, flat spots, and incorrect bead seating. The user-friendly software interface and touchscreen 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 tyre imperfections, then analyses the data from the wheelset and intelligently recommends optimal wheel positions to rectify tyre pulling and steering wheel vibration concerns. As a proficient wheel balancing system endowed with world-class diagnostic capabilities, the geodyna® 9000P guarantees technicians the ability to achieve consistently accurate balancing results across a diverse array of wheels.

THE ULTIMATE IN PRODUCTIVITY AND PERFORMANCE

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™

Utilising 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.

FULLY AUTOMATIC

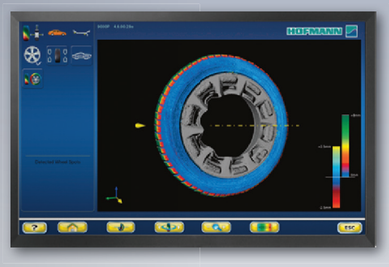
Experience next-level wheel balancing with this fully automatic wheel balancer that automatically detects wheel dimensions and selects the appropriate balancing mode, weight type, and weight position, eliminating the need for manual input.

RUNOUT MEASUREMENTS

A vast array of measurement points are meticulously captured with an impressive resolution of 0.004" (0.1 mm). This data is utilised to model a 3D graphic of the tyre 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 optimises the assembly of the tyre onto the rim, reducing the need for excessive weight addition. By achieving a more balanced distribution, it enhances overall performance and minimises potential vibrations.



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 OPTIMISATION

Utilising 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.

HOFMANN

geodyna® 9000P

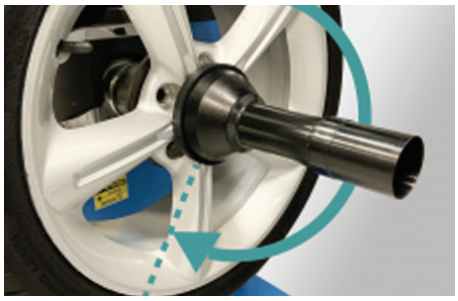
THE ULTIMATE IN PRODUCTIVITY AND PERFORMANCE

SEMI-AUTOMATIC DATA ENTRY

Equipped with a user-friendly gauge arm, this system facilitates data entry with easyALU™ assisted rim measurement technology. Technicians simply touch the rim with the gauge arm, and the system automatically enters the rim dimensions and selects the appropriate weight-balancing mode.

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.



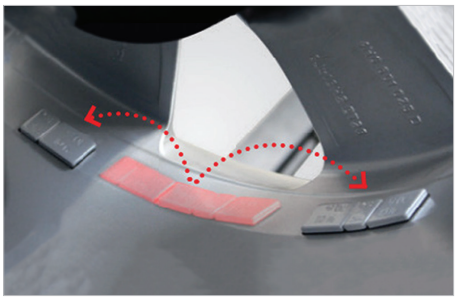
STOP IN POSITION

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

OPTIMISED FOR EV WHEELS

Optimise 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

Automatic Rim Diameter Range	14" - 26" | 35,5 - 66cm
Automatic Rim Width Range	3" - 15,8" | 7,6 - 40cm
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. | 70kg
Power Supply	230V 1ph 50-60Hz
Dimensions HxWxL	67"x39"x57" | 171x99x145cm

STANDARD ACCESSORIES

- Conical flange and electro-mechanical Power Clamp™ device'
- Drum, drum cushion, 3 cones (1,7-3,2" | 42-80mm), (2,8-3,9" | 72-99mm), (3,8-4,6" | 96-116mm) dia.
- Universal weight pliers, and adhesive weight removing tool
- 4 Storage pegs on left-hand side and additional pegs on right-hand side of machine
- Mirror for quick and ergonomic operation in ALU modes
- Telescopic wheel guard

FIND A DISTRIBUTOR
hofmann-equipment.com/en/distributor

AUSTRIA
+43 2641 24524

FRANCE
+33 134 48 58 78

GERMANY
+49 8634 622 0

ITALY
+39 0522 733 411