

# Wheel Balancers

GEODYNA  
7800P / 7850P  
8200P / 8250P

Automatic data  
entry, rim profiling  
and diagnostic  
features –  
the ultimate  
high-productivity  
solution to vibration  
problems



**HOFMANN**®



# Wheel Balancers geodyna 7800p/7850p and geodyna 8200p/8250p

## PLATINUM USER INTERFACE



Highly intuitive and fast touch-screen monitor with large digits, coloured weight position indicators and PLATINUM user interface – improved intuitiveness and ergonomics.

## WEIGHT TRAY

Ergonomic tray with 18 weight pockets, shelves for 3 cones, weight pliers and adhesive weight removal tool.

## easyWEIGHT



A laser point allows fast, accurate and easy positioning of adhesive weights on the wheel. As the weight location is indicated on the bottom of the rim, the operator can ergonomically place the weights quickly, accurately and without error.

## RIM SCANNER & SMART SONAR



The rim scanner automatically detects rim diameter and offset as well as the number and position of rim spokes. Then it automatically chooses balancing mode, weight types and weight positions. Together with automatic rim width acquisition via Smart Sonar this provides the ideal solution for high-volume workshops.

## WHEEL LIFT BW 4030



The ultimate wheel lift for an easy and fast handling of wheels up to 70 kg. The wheel is automatically raised to the last centring height and the platform automatically returns to rest position, thus reducing floor-to-floor cycle time.







## SHORT BALANCING CYCLE

The extremely short balancing cycle (start/stop) of 4.5 sec. as well as automatic rim width acquisition via Smart Sonar together with rim scanner featuring automatic non-contact rim profiling make this balancer the ideal solution for high-volume workshops.

## MATCH-MOUNTING



Radial run-out diagnosis of the wheel is performed during unbalance measurement, hence without compromising on productivity. High run-out is automatically detected during rim diagnosis, providing match-mounting indication to fix vibrations caused by geometric deformations.

## WHEEL GUARD



The patented and ergonomic telescopic wheel guard reduces the footprint.

## POWER CLAMP DEVICE



The Power Clamp allows quick clamping and unclamping of wheels.

## OVERSIZE SHAFT



The 225 mm length allows the use of stud-hole flanges and other accessories for almost every type of rim.

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# Wheel lift BW 4030

- The ultimate wheel lift for balancers.
- It improves ergonomics and productivity, reducing effort and the floor-to-floor cycle time.
- Operated by the balancer's logic the lift returns to the last height, centring the wheel quickly.
- As soon as the wheel is locked on the main shaft, the lift disengages automatically. After the measuring run the lift returns to safely accommodate the wheel and return it to bottom position.
- BW4030 facilitates centring of the wheel, eliminating the effect of gravity.
- Easy handling of every wheel up to 70 kg.
- Integrated in the cabinet it provides a smaller footprint.



## UNIVERSAL USE

The lift facilitates the use of stud-hole flanges which are necessary for instance for clad wheels, or lug-centric wheels.



## EASY HANDLING

Intuitive fine adjustment of the lift height by touching the handle.

# Radial Run-Out and Match-Mounting

- Radial run-out measurement with high-accuracy laser technology
- Radial run-out describes the deviation of the tyre's roundness from a perfect circle.
- Fast run-out measurement, performed during unbalance measurement, allows the diagnosis of 100% of the wheels without waste of time
- Automatic rim run-out measurement is performed with high-accuracy laser technology
- Match-mounting indications are given to fix the vibration issues due to the radial run-out



## SMOOTH RIDE

The driver perceives radial run-out as a bumpy ride. Radial run-out causes vibrations which cannot be fixed by simply balancing the wheel.



## LASER SCANNER

High-accuracy rim run-out measurement by laser technology.



# geodyna®7800p and geodyna®7850p

- High-productivity balancer for passenger-car and light-truck wheels
  - Automatic data entry, selection of balancing mode and spoke detection
  - Platinum touch screen user interface – fast and highly intuitive
  - easyWEIGHT: fast pinpoint bottom weight placement. Pinpoint laser light indicator to accurately position adhesive weights on the wheel.
  - Alternative positioning of adhesive weights with the geodata gauge arm
  - Torque-controlled Power Clamp device
  - Stop-in-Position automatically indexes the wheel to correction position
  - Short start-stop cycle time: 4.5 seconds.
  - VPM measurement technique for uncompromised accuracy
  - Rim lighting to facilitate application of the geodata gauge arm
  - Networking capability with the optional networking software
  - Compatible with asanetwork
  - Print-out with optional printer
- **Additional benefits of geodyna 7850p**  
BW4030 – the ultimate wheel lift for wheel balancers.



## RIM SCANNER

The rim scanner automatically detects rim diameter and offset as well as the number and position of rim spokes. Then it automatically chooses balancing mode, weight types and weight positions.



## BW4030

The wheel is automatically raised to the last centring height and the platform automatically returns to rest position, thus reducing floor-to-floor cycle time.

# geodyna® 8200p and geodyna® 8250p

- High-productivity balancer for passenger-car and light-truck wheels
- Automatic data entry, selection of balancing mode and spoke detection
- Unbalance measurement and run-out diagnosis are performed in a single fast measuring run!
- Match-mounting is performed, if possible, to reduce vibrations caused by radial run-out
- Platinum touch screen user interface – fast and highly intuitive
- easyWEIGHT: fast pinpoint bottom weight placement. Pinpoint laser light indicator to accurately position adhesive weights on the wheel.
- Alternative positioning of adhesive weights with the geodata gauge arm
- Torque-controlled Power Clamp device
- Stop-in-Position automatically indexes the wheel to correction position
- Short start-stop cycle time: 4.5 seconds.
- VPM measurement technique for uncompromised accuracy
- Rim lighting to facilitate application of the geodata gauge arm
- Networking capability with the optional networking software
- Compatible with asanetwork
- Print-out with optional printer
- **Additional benefits of geodyna 8250p**  
BW4030 – the ultimate wheel lift for wheel balancers.



## RADIAL RUN-OUT

Peak-to-peak and 1st harmonic graphs of wheel run-out are provided for an easy diagnostic of the issues. Rim run-out and matching information are provided when necessary.



## PLATINUM USER INTERFACE

The intuitive user interface designed for touch screen solutions makes available all useful functions by a simple touch.

# Product Features & Technical Data

## TECHNICAL DATA

		geodyna 7800p / 7850p	geodyna 8200p / 8250p
Vehicles supported		Cars, light trucks, SUVs	Cars, light trucks, SUVs
Measuring speed	rpm	< 200	< 200
Balancing accuracy	g / oz	1 / 0.035	1 / 0.035
Angular resolution	°	0.7	0.7
Start/Stop time (wheel 195/65R15)	s	4.5	4.5
<b>Automatic data entry (SCANNER/SMART SONAR)</b>			
Rim diameter	inch	14 – 26	14 – 26
Rim width	inch	3 – 15.8	3 – 15.8
<b>Manual data entry</b>			
Rim diameter	inch	8 – 32	8 – 32
Offset	inch	1 – 20	1 – 20
Rim width	inch	1 – 20	1 – 20
Automatic spoke counting		•	•
<b>Maximum wheel dimensions</b>			
Max. wheel diameter	mm	1050	1050
Wheel width	mm	76 – 508	76 – 508
Max. wheel weight	kg	70	70
Wheel lift max. load	kg	– / 70	– / 70
Diameter of shaft	mm	40	40
Length of shaft	mm	225	225
Power supply		230 V 1 ph 50 / 60 Hz	230 V 1 ph 50 / 60 Hz
Dimensions L x W x H (Wheel guard open)	mm	1380x1020x1570 / 1940x1020x1570	1380x1020x1570 / 1940x1020x1570
Net weight	kg	150 / 183	150 / 183

## FEATURES

	geodyna 7800p / 7850p	geodyna 8200p / 8250p
Stop in position	•	•
Auto Stop System (geodata)	•	•
Constant rotational speed	•	•
Rim lighting	•	•
QuickBAL for reduced cycle times	•	•
Split weight	•	•
Minimisation	•	•
Optimisation	•	•
Radial run-out measurement	–	•
Match-mounting	–	•
Printer	optional	optional
Compatible with asanetwork	•	•
Networking capability (TCP/IP)	with optional software	with optional software
Weight relocation	•	•
Job counter	•	•
Wheel lift type	– / BW4030	– / BW4030

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