HOFMANN®

geodyna® wheel balancers

One family – one concept

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Novelties in every detail – exclusive to Hofmann

Hofmann are part of the powerful, efficient Snap-on Group and have been partner to automotive and tyre industries for decades.
For more than 80 years our name has been a synonym for quality and competence in garage equipment, certainly an essential reason why our machines have been approved and recommended by many important car manufacturers.

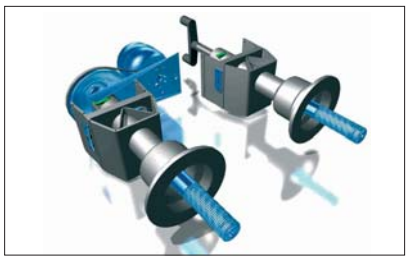
Always pioneering new technologies it is our goal that our machines meet latest customer requirements, combining user-friendly features with latest technologies in the market.

The result is a large variety of patented innovations which allow you to do an excellent job in your line of business every day. Because we judge ourselves by your business success.

geodata gauge arm

This special gauge arm leads the user to the suggested adhesive weight position where it stops to allow absolutely reliable positioning of the adhesive weight held in the wheel weight clamp.

VPM measurement technique



All machines feature the patented virtual plane measurement (VPM) technique. It ensures most accurate balance results and is insensitive to ambient conditions.

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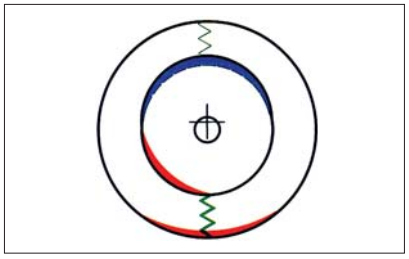
Optimisation



Using this mode possible run-out of the rim is determined and opposed to the heavy spot of the tyre before the residual unbalance is balanced using balance weights.

Rim lighting system

As soon as the geodata gauge arm is moved, a halogen lamp lights up the inside of the rim so that the user can determine the exact position of the adhesive weight, following every movement in the mirror.

Power clamp device

The wheel is clamped on the machine using the patented power clamp device where preferably an optional stud-hole flange is used in addition to a cone. The advantage: the wheel is clamped accurately which is an important pre-requisite for every balancing run.

geodyna® 960, 990-2

One family – one concept

Wheel balancers for small workshops and service stations

geodyna® 960

- Including many patented features such as virtual plane measurement (VPM) technique, adhesive wheel weight clamp, and optimisation
- Despite of its compact design the machine comes standard with 2D SAPE which means that the distance rim/machine and rim diameter are entered automatically whereas rim width is entered via keys
- All data is read out on a conspicuous LED control panel integrated into the weight tray
- The wheel is clamped on an integrated flange using a quick-clamping nut
- Measurement is started by closing of the wheel guard, or by pressing of the START key
- Motor drive via V-belt ensures constant speed during measurement
- The QuickBAL mode reduces cycle times
- In the HSP mode adhesive weights can be hidden behind adjacent spokes of alloy rims.
- After measurement the wheel is slowed down automatically and can be safely retained in correction position upon operation of the main shaft lock
- The gauge arm guides the user to the weight position inside the rim (ALU2P and ALU3P).
- Despite of a measurement speed of less than 100 rpm the wheel guard is included in delivery.

geodyna® 990-2

Additional features:

- Rim width is entered by pressing of the function key and turning of the wheel – another patented feature.
- PAX wheel mode
- Dual digital display to read out the unbalance of both planes separately
- Automatic pre-selection of weight locations with the easyALU mode
- Storage of up to four different user profiles
- The wheel is clamped on the tapered flange using the MZV-4 cone adaptor.
- Available as geodyna 990 mot for balancing of motorcycle wheels
- An optional motorcycle wheel adaptor is available for geodyna 990-2
- The wheel guard is an optional extra

geodyna® 4500-2/p, 4900-2/p

One family – one concept

Wheel balancers for small workshops

geodyna® 4500-2
- Including many patented features such as virtual plane measurement (VPM) technique, adhesive wheel weight clamp, and optimisation
- Automatic input of all wheel data (3D SAPE)
- The gauge arm guides the user to the weight position inside the rim (ALU2P and ALU3P).
- In the HSP mode adhesive weights can be hidden behind adjacent spokes of alloy rims.
- PAX wheel mode
- Dual digital display to read out the unbalance of both planes separately
- Pedal-operated main shaft lock
- Automatic pre-selection of weight locations with the easyALU mode
- Storage of up to four different user profiles
- Start of measurement by pressing the START key, or by closing of the wheel guard
- Motor drive via V-belt to ensure constant speed during measurement
- Automatic braking after measurement
- The wheel guard is included in delivery

geodyna® 4500-2p
Additional features:
- Patented power clamp device

geodyna® 4900-2
Additional features:
- Automatic orientation of wheel into 12 h position (left-hand correction plane)
- User guidance via menu on the 19" TFT wide-screen monitor
- Storage of up to nine different user profiles
- Compatible with asanetwork

geodyna® 4900-2p
Additional features:
- Patented power clamp device
- AutoStopSystem to stop the gauge arm when the exact correction position is reached

Patented power clamp device

geodyna® 6300-2 and geodyna® 6300-2p

One family – one concept

Wheel balancers for shops with medium to large wheel service volume

geodyna® 6300-2

- Including many patented features such as virtual plane measurement (VPM) technique, geodata gauge arm, adhesive wheel weight clamp, optimisation, and rim lighting system
- Simple operation thanks to automatic input of al wheel data (3D SAPE).
- AutoStopSystem for the geodata gauge arm
- Automatic orientation of wheel into 12 h position
- Automatic pre-selection of weight locations with the easyALU mode
- In the HSP mode adhesive weights can be hidden behind adjacent spokes of alloy rims.
- PAX wheel mode

- Conspicuous digital display

geodyna® 6300-2p

Additional features:

- Patented power clamp device

geodata gauge arm for absolutely reliable positioning of adhesive weights

The inner side of the rim is lit up to allow accurate positioning of the adhesive weights.

geodyna® 6800-2 and geodyna® 6800-2p

One family – one concept

Wheel balancers for shops with large wheel service volume

geodyna® 6800-2

- Including many patented features such as virtual plane measurement (VPM) technique, geodata gauge arm, adhesive wheel weight clamp, optimisation, and rim lighting system
- Simple operation thanks to automatic input of al wheel data (3D SAPE).
- AutoStopSystem for the geodata gauge arm
- Automatic orientation of wheel into 12 h position
- In the HSP mode adhesive weights can be hidden behind adjacent spokes of alloy rims.
- PAX wheel mode
- Convenient user guidance on the monitor
- 6 balancing modes, 5 of which for alloy wheels
- Compatible with asanetwork
- Ergonomic shelves for cones, quick-clamping nut, weight pliers and wheel weights
- Wheel guard

geodyna® 6800-2p

Additional features:

- Patented power clamp device

A single key stroke is enough to split weights such that they can be hidden behind adjacent spokes

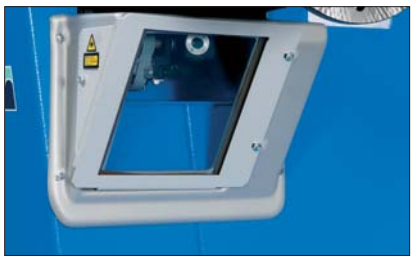
Simple operator guidance and quick results owing to the conspicuous TFT monitor.

geodyna® 6900-2p and geodyna® optima II

One family – one concept

Automatic wheel balancers for shops with large wheel service volume

- With patented electro-mechanical power clamp device, and a special scanner for automatic non-contact input of all wheel data to satisfy the demanding requirements of a professional garage.



- Non-contact data input via laser
- Once a complicated job the split weight procedure is now accomplished upon single key operation
- Virtual plane measurement (VPM technology) ensures most accurate balancing results and in addition is insensitive to ambient conditions.
- Adhesive weights are placed safely and reliably in 12 h position using the patented geodata gauge arm and its special wheel weight clamp. Alternatively this job is made in 5 h position using the laser pointer.
- With the optimisation mode possible run-out of the rim is determined and opposed to the heavy side of the tyre.
- Automatic relocation of weight position
- Convenient operator guidance via the attractive 19" TFT wide-screen monitor
- asanetwork capability

geodyna® 6900-2p

Clamp the wheel, close the wheel guard and all wheel data is detected automatically in a single measuring run – the operator does not even have to touch the wheel.
That's how easy and quick professional wheel balancing can be.

geodyna® optima II

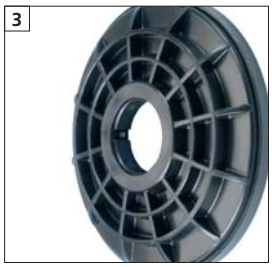
The geodyna optima II is a car wheel balancer with diagnostic functions which uses the unique Stripe of Light technology to guarantee absolutely smooth ride. In combination with the SAF&GO feature it helps to considerably improve driving safety.

For more details please refer to a separate leaflet, or to www.snapon-equipment.eu.

geodyna® accessories – the systematic up-grade

1 Trolley for 8 stud-hole flanges with shelf for bolts (flanges not included)

2 ecolift-3, capacity up to 70 kg



3 Clamping plate for alloy rims (20 mm dia.)

4 Tapered centring ring

5 Stud-hole flanges

6 Adhesive weight removing tool

7 Motorcycle adaptor (included in delivery of geodyna 990 mot)

8 Wheel guard geodyna 990-2 (included in delivery of geodyna 990 mot)

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Features								
geodyna	**960**	**990-2**	**4500-2/p**	**4900-2/p**	**6300-2/p**	**6800-2/p**	**6900-2p**	**optima II**
Virtual plane measurement **VPM**	•	•	•	•	•	•	•	•
Automatic input of diameter + distance – **2D SAPE**	•	•						
Manual input of width	•	•						
Automatic input of width + diameter + distance – **3D SAPE**			•	•	•	•		
Automatic input of all wheel data with non-contact scanners							•	•
19" TFT wide-screen monitor				•		•	•	•
Gauge arm with wheel weight positioning system		•	•	•				
geodata gauge arm					•	•	•	•
ASS AutoStopSystem for gauge arm				4900-2p	•	•	•	•
Behind-the-spokes weight placement **HSP**	•	•	•	•	•	•	•	•
PAX mode		•	•	•	•	•	•	•
Automatic braking after measurement	•	•	•	•	•	•	•	•
Automatic orientation of wheel after measurement (12 h position)				•	•	•	•	•
Pedal-operated main shaft lock	•	•	•	•	•	•	•	•
Multiple user capability		•	•	•	•	•	•	•
Optimisation **HOS**		•	•	•	•	•	•	•
Rim lighting system with mirror					•	•	•	
Electro-mechanical power clamp device			4500-2p	4900-2p	6300-2p	6800-2p	•	•
Embedded PC technology				•		•	•	•
Compatible with asanetwork (optional)				•		•	•	•
Wheel guard	•	Option	•	•	•	•	•	•

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Technical data

geodyna		**960**	**990-2**	**4500-2/p**	**4900-2/p**
Rim centre bore diameter	mm	43 – 116	43 – 116	43 – 116	43 – 116
Shaft diameter	mm	40	40	40	40
Measuring speed	RPM	< 100	< 100	200	200
Rim width	inch	3 – 20	1 – 20	1 – 20	1 – 20
Rim diameter (auto.)	inch	8 – 25	8 – 25	8 – 25	8 – 25
Rim diameter (man.)	inch	10 – 30	8 – 30	8 – 30	8 – 30
Max wheel width	mm	500	530	530	530
Max wheel diameter	mm	900	1117*	950	950
Max wheel weight	kg	70	70	70	70
Dimensions (W x D x H)	mm	1100x1050x1710	930x580x970	1285x1130x1765	1385x1130x1765
Weight	kg	130/135/142/147	70	130/135	142/147
Power supply	V	200 – 240, 1 ph / 50/60 Hz			

* 900 mm with optional wheel guard

geodyna		**6300-2/p**	**6800-2/p**	**6900-2p**	**optima II**
Rim centre bore diameter	mm	43 – 116	43 – 116	43 – 116	43 – 116
Shaft diameter	mm	40	40	40	40
Measuring speed	RPM	200	200	200	200
Rim width	inch	1 – 20	1 – 20	3 – 20	3 – 20
Rim diameter (auto.)	inch	8 – 25	8 – 25	14 – 26	15 – 30
Rim diameter (man.)	inch	8 – 30	8 – 30	8 – 30	8 – 30
Max wheel width	mm	530	530	530	508
Max wheel diameter	mm	950	950	950	950
Max wheel weight	kg	70	70	70	70
Dimensions (W x D x H)	mm	1365x910x1375	1365x910x1700	1320x915x1700	1450x990x1710
Weight	kg	148/153	153/158	160	210
Power supply	V	200 – 240, 1 ph / 50/60 Hz			

Snap-on Equipment

Part of the machines is illustrated with optional extras which are available at extra cost.
Technical modifications reserved.

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