PREMIUM SERVICE WHEEL BALANCERS

geodyna®
WHEEL BALANCERS

9000P

HOFMANN®

FULLY AUTOMATED, FOR FULLY FLAWLESS PERFORMANCE

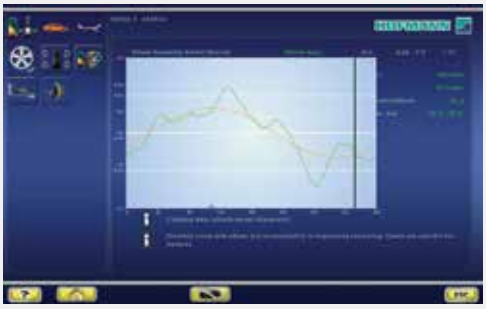
A video wheel balancer for cars and light trucks, the geodyna® 9000p features fully automatic non-contact acquisition of all data via 3D imaging technology and five high-resolution cameras, the Power Clamp clamping system, pinpoint easyWeight laser, plus a touchscreen interface for unequaled usability, performance and precision.

Diagnostics

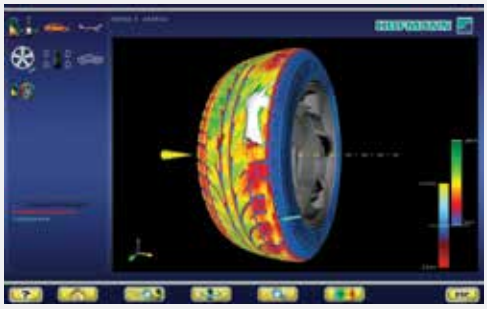
- Sidewall and Tread Analysis
- Alignment Pre-Checking
- Tread Depth Analysis
- Tire Wear-Out Prediction
- Tire Pull Index
- Run-Out Force Vectoring™

Automatic Acquisition

Non-contact 3D imaging technology is virtually error-proof: just clamp the wheel, close the guard and let the geodyna 9000p do the rest. Automatic and non-contact detection of wheel dimensions, balancing mode, number and position of spokes, amount and position of weights, lateral and radial run-out of tire and rim, match mounting and geometric issues.

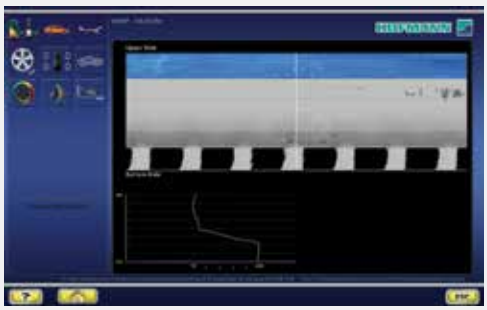


Run-Out Measurement
Non-contact 3D imaging technology scans the rim and tire profile to measure radial tire run-out, bead seat run-out on the bare rim and radial and lateral rim run-out on both sides.



3D Imaging
Five high-resolution laser cameras scan the complete rim and tire profile to provide visual evidence of results, increase customer awareness and improve customer satisfaction.

Run-Out Force Vectoring™ (RFV)
Determines the virtual loaded run-out contact patch of the wheel assembly and calculates the spring rate by measuring tread width, sidewall height, surface singularities and estimated tire pressure.



Sidewall & Tread Analysis
The wheel is scanned to within 0.1 mm accuracy to examine all externally visible scratches, cuts, bulges, blisters, flat spots and uneven wear-out that could potentially lead to safety issues.

Tire Wear-Out Prediction
Predicts the tire wear-out point to help prepare the customer for when a replacement may be needed.

Advanced Spoke Detection
Detects spokes to provide optimum placement of weights, allowing for accurate balancing of alloy spoke rims while preserving their visual appearance.

Wheel Data Freeze
Allows the operator to save the data detected on the first rim of a set of identical wheels, reducing data acquisition time for subsequent identical wheels.

smartProfile
Automatically detects optimum balancing program by determining amount, position and type of the balance weights on the basis of rim dimensions saved in memory and imbalance data determined during measurement.

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TECHNICAL SPECIFICATIONS

Part number	EEWB771AP230
Vehicles supported	Cars / light trucks / SUVs / off-road vehicles
Display technology	21.5" – 16:9 touchscreen
Measuring speed	200 RPM
Balancing accuracy	0.035 oz. / 1 g
Scanner accuracy	· 1st harmonic run-out: 0.039" / 0.1 mm · Profiling: 0.195" / 0.5 mm
Angular resolution	0.7 degree
Full cycle time (wheel 225 / 40R18)	24 seconds
Check spin	8 seconds
With spoke recognition	23 seconds
With run-out measurement	31 seconds
Full diagnostics	66 seconds
Manual data entry	
Rim diameter range	8"–30" (203 - 762 mm)
Automatic data entry	
Rim diameter range	15"–30" (381 - 762 mm)
Rim width range (dynamic balancing)	3"–20" (76.2 - 508 mm)
Data entry – offset	Automatic, non-contact
Data entry – rim diameter	Automatic, non-contact
Data entry – rim width	Automatic, non-contact
Software features	
Balancing program selection	Automatic, non-contact profiling of the rim
Spoke position detection	Automatic, non-contact
Wheel clamping	Automatic, Power Clamp
Cycle	Automatic, start with button or wheel guard
Main shaft lock	Electromechanical (pedal)
Balancing position search	Automatic
Clip-weight position	12h
Adhesive weight position	5h
ALU modes	Automatic
Split weight mode	Automatic, non-contact spoke detection
Radial / lateral run-out detection	Automatic, optima mode
Run-out matching program	Yes

Software features cont.

Rim diagnostics & balancing	Yes, bead seat run-out
Imbalance optimization program	Yes
Sidewall & tread diagnostics	Automatic, optima full only
Tire pull measurement	Automatic, non-contact
Tread depth measurement	Automatic, non-contact
OptiLine	Standard
Run-Out Force Vectoring™ (RFV)	Standard
Self-calibration	Yes
Online help	Yes
Printout	· Professional reports and screenshots · 8.5 x 11" (A4) printer included
Maximum wheel dimensions	
Max. wheel diameter	42" (1067 mm)
Wheel width range	3"–20" (76.2 - 508 mm)
Max. wheel weight	154 lbs. / 70 kg
Additional specifications	
Weight tray	Generous weight pockets and shelves for cones, collets, accessories and weight pliers
Diameter of shaft	40 mm
Length of shaft	8.86" / 225 mm
Balancer flange offset	10.55" / 268 mm
Wheel braking after measurement	Automatic
Power requirement	230V 1ph 50/60Hz 4A
Dimensions L x W x H (wheel guard open)	76.4" x 40.2" x 61.8" 1,940 mm x 1,020 mm x 1,570 mm
Packaging dimensions L x W x H	70.1" x 47.2" x 72.8" 1,780 mm x 1,200 mm x 1,850 mm

INCLUDED ACCESSORIES

- Spacer ring
- Universal drum
- Universal drum cushion
- 4 cone set: 1.6"–3.0", 2.8"–3.9", 3.8"–4.0", 3.4"–5.4"
- Rim width calipers
- User calibration weight
- Weight pliers
- Kit of 4 pegs to be mounted to the left side

Optional accessories

Light commercial & motor home tool kit

- 9 collet kit
- Small spacer disk
- CenTor™ plate kit
- LCM kit
- Black storage stand

For more information regarding geodyna® Wheel Balancers, please visit **www.hofmann-usa.com** or **www.hofmann.ca**

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