

HOFMANN®



Optima II™

WHEEL BALANCER

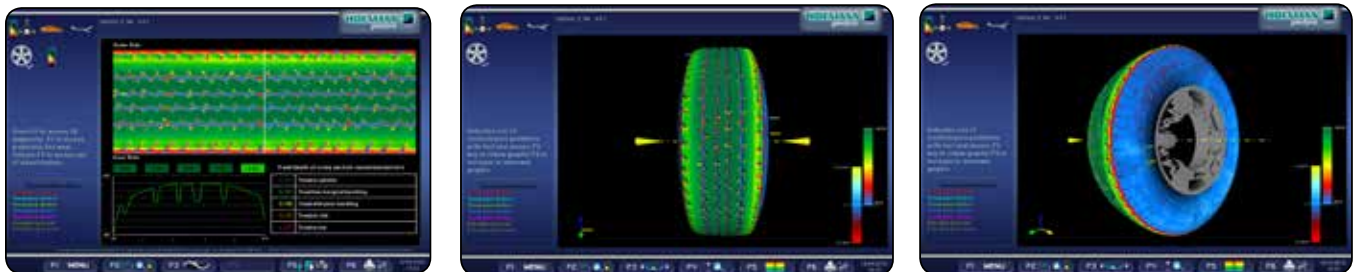
Optima II™



The Industry's First Topographical Mapping, Fully Automated Wheel Balancer

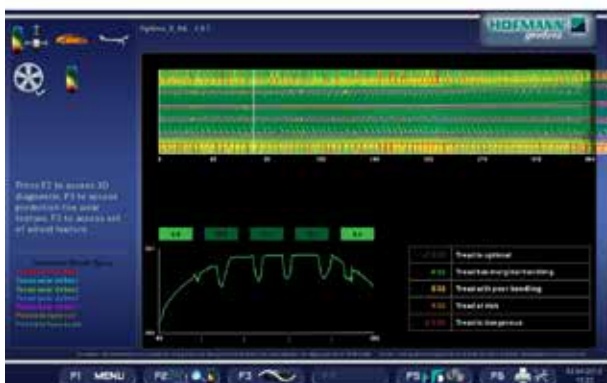
With three dimensional data obtained from optical cameras, the Optima II™ provides a three dimensional scaled color display of the tread/sidewall/wheel, along with a graphical representation of data to allow pinpoint location of localized runout.

The Optima II™ laser maps the tread area, sidewall, and wheel providing a three dimensional model of the tire and wheel assembly. A color rendering can be printed and presented for the customer showing areas of fast wear. This feature can be utilized to document the need for alignment, wheel damage, or to predict when tire replacement will be required.



Runout Measurement

- Thousands of measurement points are taken with a resolution of 0.0039" (0.01 mm)
- Measurements are displayed as a color topographical map on the display screen



Three Dimensional Topography Tread Mapping

- Complete analysis of tread patterns
- Tread depth including abnormal wear
- Wear pattern analysis points to wheel service needs
- Tire wear from worn suspension and steering parts
- Tire Tread damage and tire defects

Optima II™

Industry Leading Software



The non-touch 3D imaging wheel profiling capability keeps the operator from having to input the kind of wheel, the wheel weight placement, and what type of wheel weights to place.



The Optima II™ determines wheel type and preferred weight placement location without any input from the operator.



Automatic behind the spoke weight placement. During the balance spin cycle, the spokes are automatically counted. Position the tire via the screen graphic. A laser pointer will light behind the spoke indicating exact weight placement.



Using radial runout data, an out of round tire and wheel can be identified and match-mounted as needed.

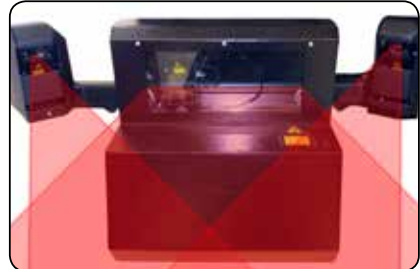


With one simple “break and turn” positioning the mark to the valve stem is all that is required to complete the match mount process.



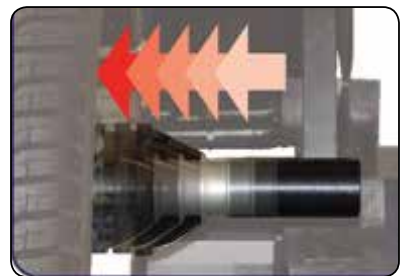
Laser Mapping System

- Laser mapping technology provides advanced measuring processes that eliminate the need for mechanical devices used in other wheel balancing systems.
- Non-touch wheel runout capability is very accurate and ensures that the real runout is measured. Measurement of runout with a laser device is the technology used by the tire manufacturers in industrial applications.



Power Clamp

- The Optima II™ *knows* if a wheel has been clamped and if it has been clamped properly since the clamping procedure is monitored by the internal processor.
- The Power Clamp is an electromechanical clamping device that makes the clamping of the wheel easy for the operator and provides a stable condition for accurate and repeatable measurements.





FEATURES

The Optima II™ is a fully-automated diagnostic wheel balancer. Just clamp the wheel, lower the hood and let the machine do the rest - completely error proofed for the technician. This revolutionary machine uses an industry-first method of obtaining the complete profile of the tire and wheel in one spin cycle.

Features such as automatic power clamping, automatic data input, and automatic recognition of wheel type results in no guess work or intervention on the technician's part.

The best thing is...*these features are standard!*

The Optima II™ Fully Automated Diagnostic Wheel Balancer will enable you to:

- Perform lightning-fast balances in a single spin - every time
- Improve safety by identifying customer's tread depth and driveability issues
- Match-mount out of round tires and wheels, utilizing run out and calculated radial force variation



Optima II™ - Redefining The Way You Balance

Mount The Wheel With Our Patented Power Clamp

- Select the proper mounting adapter for the wheel
- Place the wheel on the mounting shaft
- Dual function pedal - pedal initiates locking of the power clamp and also works as a shaft lock to hold the wheel assembly in a lock position
- Center and clamp the wheel automatically with consistent clamping pressure using the patented Power Clamp for unmatched repeatability
- Lower the wheel guard



Collect Measurements In Six Seconds!

- Virtual Plane Imaging (VPI) measurements & laser imaging captures the profile of the wheel and compares the information to specifications
- In six seconds, the color display shows the location of any imbalance and identifies the optimal tape or clip-on weight location



Optima II™



SPECIFICATIONS

Optima II™ EEWB734B

Max. Wheel & Tire Assembly Weight	154 lbs.
Max. Wheel & Tire Assembly Diameter	44"
Max. Wheel & Tire Assembly Width	20"
Max. Wheel Diameter	30"
Shaft Diameter	40mm
Length of Shaft	7.5"
Data Entry (Distance, Diameter, Width)	Automatic, Non-Touch
Power Clamp Configuration	Yes
Quick-Nut Configuration	No
Weight Storage Pockets	23
Display	Elevated Flat Panel Monitor
Measuring Speed	200 RPM
Balance Accuracy	0.035 oz.
Scanner Accuracy	0.0039"
Dimensions (DxWxH)	47.25" x 60" x 73"
Shipping Weight	518 lbs.
Power Requirements*	230V, 1Ph, 50/60Hz



EEWB734B

Standard Accessories

- Seven Cone Kit: EAK0221J31A*

OPTIONAL ACCESSORIES

Because wheel designs are unique and ever-changing, standardized cone packages lack the flexibility to meet the mounting demands of today's wheels. Putting our customer's needs first, Hofmann offers a selection of cone packages capable of servicing a wide range of wheel and tire assemblies. To complete your wheel balancing package, choose from one of these cone kits:

Optional OEM Accessory Kits

- Acura / Honda: EAK0221J94A
- Audi / Volkswagon: EAK0221J95A
- BMW / Mini: EAK0221J96A
- Chrysler: EAK0309J05A
- General Motors: EAK0221J74A
- Ford / Lincoln / Mercury: EAK0221J97A
- Infiniti / Nissan: EAK0221J98A
- Jaguar: EAK0221J99A
- Land Rover: EAK0309J00A
- Lexus / Toyota / Scion: EAK0309J01A
- Maybach / Mercedes-Benz: EAK0309J02A
- Subaru: EAK0309J03A

Optional Accessories

- Four Cone Kit: EAK0221J60A
- Precision 12 Collet Set: EAK0221J80A
- Precision 4 Pin Plate Set: EAK0221J50A
- General Purpose Centering Set: EAK0221J78A
- General Purpose Centering Set and Storage Stand: EAK0221J84A
- Storage Stand Only (Red): EAK2081J30AR
- Storage Stand Only (Black): EAK2081J30AB

* Precision 12 Collet Set EAK0221J80A recommended in addition to this cone kit.



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