

RFV2000™

Fully Automated Diagnostic
Wheel Balancing System



Laser based 3D profiling
provides automatic
diagnostic analysis and
highly accurate wheel
balance results



JohnBean™

RFV2000™ COMBINES HIGH QUALITY WHEEL BALANCING WITH UNMATCHED DIAGNOSTIC CAPABILITIES



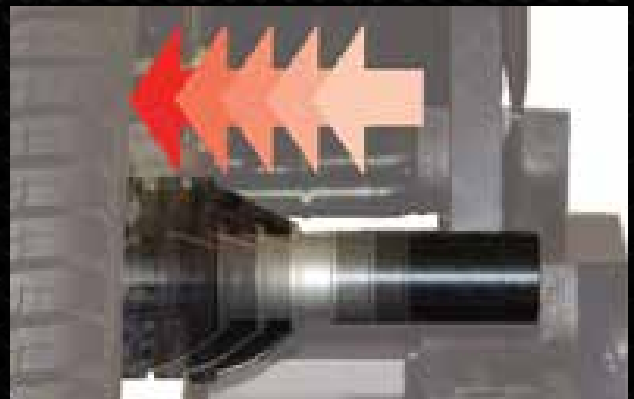
AUTOMATIC BALANCE MEASUREMENTS

- The color display shows the location of any imbalance and identifies the optimal tape or clip-on weight location
- Automatically measures assembly and rim runout and calculates runout force vectoring for a quick fix match-mounting solution

AUTOMATIC POWER CLAMP*

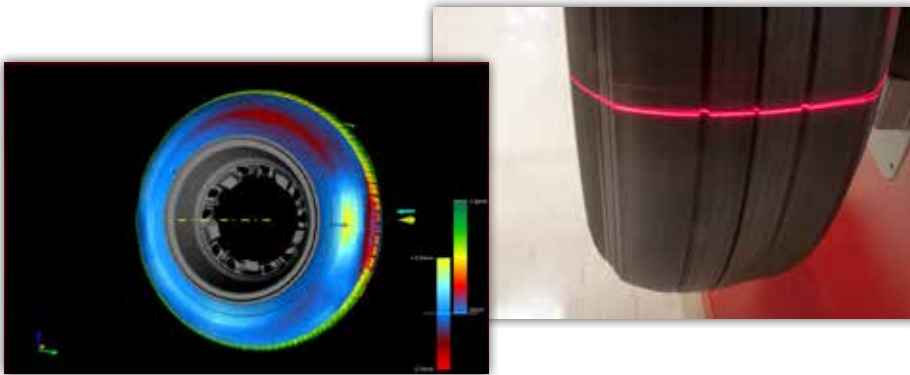
- Electromechanical wheel clamping makes the entire process quick and simple
- Provides a reliable and consistent condition to assure accurate and repeatable measurements

* Patented and/or Patent-Pending Features



Error proof results and state-of-the-art analysis provide customer satisfaction

The RFV2000™ is the only fully-automated diagnostic wheel balancer that offers touchless measurement and analysis. Fully automatic inputs remove the chance for error and inaccurate results. When combined with precise wheel balancing, the Runout Force Vectoring (RFV) diagnostics assure uniformity based total ride quality.



OPTI-LINE™ SOFTWARE

- Improves ride performance and pull problems that cannot be fixed by wheel alignment alone
- Eliminates multiple tire rotations to reposition tires and reduces times required for road tests
- Handles any kind of wheel, including wheels with directional tires
- Address pull or vibration related issues by suggesting the optimal location for each wheel in the set based on tire conicity or radial runout

RUNOUT MEASUREMENT

Hundreds of thousands of measurement points are taken with a resolution of 0.004" (0.1mm)

LASER BASED RUNOUT

Quickly and easily provides advanced geometry related measurements, using technology that surpasses the performance of mechanical roller-based systems

AUTOMATIC 3D TIRE LASER MAPPING SYSTEM

High resolution camera and laser based topography mapping emulates the same technology used by tire manufacturers in industrial applications. Tire tread and sidewall color analysis allows depth, wear and abnormalities to be displayed in a simple to interpret format

AUTOMATIC INPUTS

Optical scanners automatically measure the wheel. The scanners recognize the wheel type/edge. Correct weight type and size shown to aid productivity

AUTOMATIC BEHIND THE SPOKE WEIGHT PLACEMENT

A laser dot shines behind the spoke to indicate the exact weight location

PRODUCT FEATURES & SPECIFICATIONS

OPTIONAL ACCESSORIES

- Seven Cone Kit
EAK0221J31A
- Four Cone Kit
EAK0221J60A
- Precision 12 Collet Set
EAK0221J80A
- Precision 4 Pin Plate Set
EAK0221J50A
- General Purpose Centering Set
EAK0221J78A
- General Purpose Centering Set
Storage Stand
EAK0221J84A
- Storage Stand Only
EAK2081J30AR (Red)
EAK2081J30AR (Black)

OPTIONAL OEM TOOLING KITS

- Acura / Honda: EAK0221J94A
- Audi / Volkswagen: EAK0221J95A
- BMW / Mini: EAK0221J96A
- Chrysler: EAK0221J83A
- 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

SPECIFICATIONS

Equipment Specifications

- **Max wheel & tire assembly weight: 154 lbs**
- **Max wheel & tire assembly diameter: 44"**
- **Max wheel & tire assembly width: 20"**
- **Shaft diameter: 40mm**
- **Power clamp: Included**
- **Data Entry: Automatic**
- **Printer: Included**
- **Weight tray pockets: 23**
- **Measuring speed: 200 RPM**
- **Balance accuracy: 0.05oz**
- **Scanner accuracy: 0.004"**
- **Dimensions (DxWxH) 47.5" x 60" x 73"**
- **Shipping Weight: 560 lbs**
- **Power requirements*:
230V 1Ph 50/60 Hz**



EEWB546B
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* Other power configurations meeting global standards are available

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For more information regarding the RFV2000™
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