



*Total Ride Performance System*

**BFH 1000**

Wheel Balancer

**JohnBean™**

## Proven Performance and Durability

The BFH 1000 is the most advanced diagnostic wheel balancing system in the industry. Designed for power users and high-volume shops, the BFH 1000 boasts one of the fastest floor-to-floor time in the industry, & also provides revenue-generating advanced diagnostics, such as Radial Runout, Wheel-Only Runout, Tread Depth Laser Detection and much more.

*John Bean's BFH Series Wheel Balancers will enable you to:*

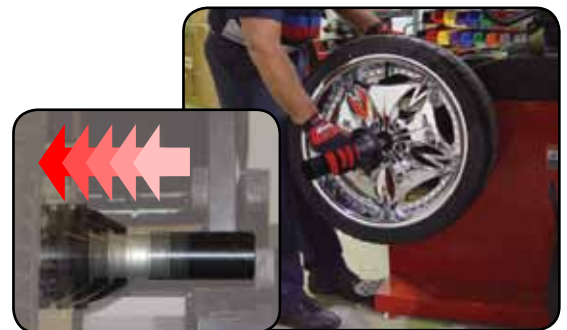
- Perform lightning-fast balances in a single spin - every time
- Handle a wide range of aftermarket/high-performance wheels
- Improve safety by identifying customers tread depth and drivability issues
- **MAKE MORE MONEY!**



## BFH 1000 - Redefining The Way You Balance

### Mount The Wheel With Our Patented Power Clamp

- Select the proper mounting cone for the wheel
- Place the wheel on the mounting shaft
- Depress the locking foot pedal
- 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 imbalances and identifies the optimal tape or clip-on weight location



# Advanced Diagnostics



## Radial Runout

- Determine whether the wheel and/or tire are in or out of tolerance
- Results indicate the need for tire-to-wheel matching to help improve ride quality

## Wheel-Only Runout

- Perform runout at the bead seat for diagnosis of wheel-only problems



## Automatic Spoke I.D.

- Spokes are counted so that tape weights can be placed behind them as needed

## Tread Depth Laser Detection

- A pass/fail graphic displays whether tread depth is above or below preset height



## Match-Mounting

- To make the most of your Wheel Balancer investment, pair the BFH 1000 with one of John Bean's High Performance Tire Changers. The BFH 1000 uses touchless, laser imaging technology to determine the optimal match for each tire and wheel assembly. John Bean Tire Changers easily index the tire and wheel. Eliminate customer comebacks by reducing vibration due to non-uniformity issues!



# The Benefits of Optional Opti-Line™ Software

- Helps to improve ride performance & pull problems that cannot be fixed by wheel alignment alone
- Eliminates multiple tire rotations to reposition tires and reduces times required for road tests significantly
- 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 (pulls) or radial runout (vibration)
- Enhances straight-ahead steering stability of the vehicle





# Weight-Saving Features

- Save money by choosing between all available tape weight and clip-on weight options
- See the optimal tape weight placement indicated by a laser dot (pictured below) as the default position
- Review the optimal clip-on weight type and location on the screen
- Track the weights used for every wheel in Weight Wizard\*



Tape weight location shown with laser dot



Clip weight only



Tape weight and clip weight combination (tape weight location circled in yellow)

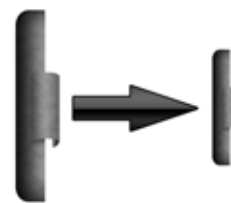
## Weight Wizard\*

- Tracks weights used over time by color type and weight
- Records weights used on every job automatically
- Tailors weight purchases to save money by recommending only what you need



## Optional WeightMiser™ Software

- Recommends lower weight amounts whenever possible to drive cost reduction
- Shows productivity benefits over time in dollars saved and also the amount of weight savings as a percentage of total weight used



\* Patented and/or Patent-Pending Features

### Available Configurations



**EEWB519B**  
Base Model BFH 1000



**EEWB519S**  
Base Model BFH 1000  
with Opti-Line

**EEWB519BW**  
Base Model BFH 1000  
Pneumatic Wheel Lift

**EEWB519SW**  
Base Model BFH 1000  
Pneumatic Wheel Lift  
with Opti-Line

**EEWB519BP**  
Base Model BFH 1000  
Printer Assembly

**EEWB519SP**  
Base Model BFH 1000  
Printer Assembly  
with Opti-Line

**EEWB519BPW**  
Base Model BFH 1000  
Printer Assembly  
Pneumatic Wheel Lift

**EEWB519SPW**  
Base Model BFH 1000  
Printer Assembly  
Pneumatic Wheel Lift  
with Opti-Line



### 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, John Bean offers a selection of cone packages capable of servicing a wide range of wheel and tire assemblies.



Gold Package 1: EAK0221J53A



7 Cone Kit (1.7" - 6.3"): EAK0221J31A

4 Cone Kit (2.1" - 5.2"): EAK0221J60A



Check out our accessory  
brochure for more productivity-  
enhancing accessories!

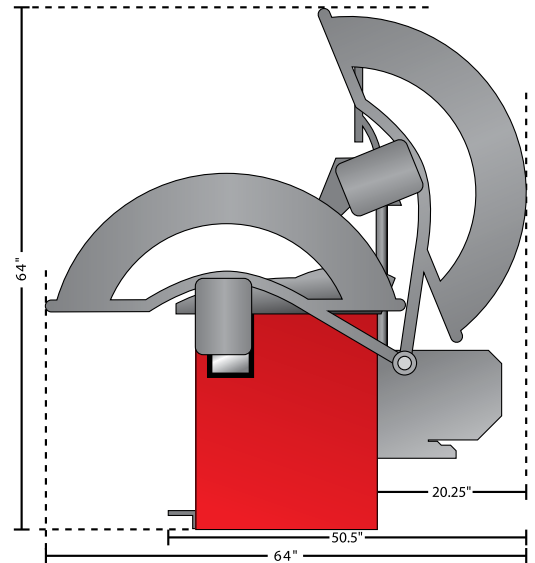
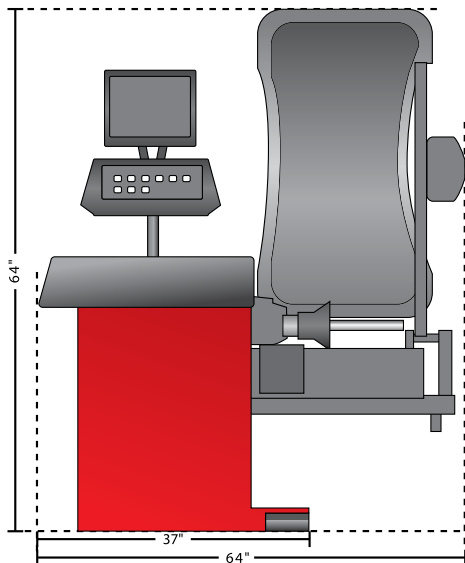
### SPECIFICATIONS

<b>BFH 1000</b>	
EEWB519B	
Max. Wheel & Tire Assembly Weight	154 lbs.
Max. Wheel & Tire Assembly Diameter	44"
Max. Wheel & Tire Assembly Width	21"
Max. Wheel Diameter	30"
Shaft Diameter	40 mm
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 Screen Monitor
Measuring Speed	200 RPM
Balance Accuracy	0.05 oz.
Scanner Accuracy	0.0039"
Dimensions (DxWxH)	64" x 64" x 64"
Shipping Weight	550 lbs.
Power Requirements*	230V, 1Ph, 60Hz

\* Other Power Configurations Available



### SPACE REQUIREMENTS



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