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*

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!
**BFH 1000**
Wheel Balancer

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>BFH 1000</th>
<th>EEWBS19B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Max. Wheel &amp; Tire Assembly Weight</strong></td>
<td>154 lbs.</td>
</tr>
<tr>
<td><strong>Max. Wheel &amp; Tire Assembly Diameter</strong></td>
<td>44&quot;</td>
</tr>
<tr>
<td><strong>Max. Wheel &amp; Tire Assembly Width</strong></td>
<td>21&quot;</td>
</tr>
<tr>
<td><strong>Max. Wheel Diameter</strong></td>
<td>30&quot;</td>
</tr>
<tr>
<td><strong>Shaft Diameter</strong></td>
<td>40 mm</td>
</tr>
<tr>
<td><strong>Length of Shaft</strong></td>
<td>7.5&quot;</td>
</tr>
<tr>
<td><strong>Data Entry (Distance, Diameter, Width)</strong></td>
<td>Automatic, Non-Touch</td>
</tr>
<tr>
<td><strong>Power Clamp Configuration</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Quick-Nut Configuration</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Weight Storage Pockets</strong></td>
<td>23</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>Elevated Flat Screen Monitor</td>
</tr>
<tr>
<td><strong>Measuring Speed</strong></td>
<td>200 RPM</td>
</tr>
<tr>
<td><strong>Balance Accuracy</strong></td>
<td>0.05 oz.</td>
</tr>
<tr>
<td><strong>Scanner Accuracy</strong></td>
<td>0.0039&quot;</td>
</tr>
<tr>
<td><strong>Dimensions (DxWxH)</strong></td>
<td>64&quot; x 64&quot; x 64&quot;</td>
</tr>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>550 lbs.</td>
</tr>
<tr>
<td><strong>Power Requirements</strong></td>
<td>230V, 1Ph, 60Hz</td>
</tr>
</tbody>
</table>

*Other Power Configurations Available*

### SPACE REQUIREMENTS

![Space Requirements Diagram]

Snap-on Equipment / 309 Exchange Avenue / Conway, Arkansas 72032 U.S.A.  
Fax: 501-450-2085 / Toll Free: 1-800-362-4618 / International: 501-505-2739  
www.SnaponEquipment.com

John Bean Canada / 6500 Millcreek Drive / Mississauga, Ontario L5N 2W6  
Customer Service: 1-800-362-4608 / Fax: 905-826-7800  
www.johnbean.ca