

Be **PRECISE**



# B2000P

FULLY AUTOMATIC  
3D DIAGNOSTIC  
WHEEL BALANCER

**JohnBean**

# B2000P

## ERROR-PROOF RESULTS STATE-OF-THE-ART ANALYSIS

The John Bean® B2000P is a fully automatic diagnostic wheel balancing system that uses five high-resolution cameras to create a complete 3D mapping system of the rim and tire profile.

Our precision 3D runout measurements provide a commercial-grade level of surface measurement that can help technicians pinpoint balancing issues. A unique suite of diagnostic features such as tread depth analysis, tire wear-out prediction, uneven wear diagnosis, and automatic unbalance measurements help technicians identify weight and shape defects, flat spots, and incorrect bead seating. Our easy-to-read, intuitive software interface and touchscreen display provide all the necessary steps for technicians throughout the entire balancing process, boosting productivity and reducing potential operator error.

The John Bean B2000P is a world-class diagnostic wheel balancing system for professional shops. This technological powerhouse allows technicians to balance a wide variety of wheels with the highest degree of accuracy.



## FULLY AUTOMATIC 3D DIAGNOSTIC WHEEL BALANCER



### RUNOUT MEASUREMENTS

Hundreds of thousands of measurement points are taken with a resolution of 0.004" (0.1 mm) to create a 3D model of the tire and wheel allowing for a complete diagnosis of the assembly uniformity and displaying radial runout with peak-to-peak measurements from the first to the third harmonic.



### MATCH MOUNTING

Optimize the assembly of the tire on the rim improving the assembly roundness to reduce the shape vibrations.



### LASER 3D SURFACE MAPPING

Utilizes a high-resolution camera and laser-based technology to provide sidewall analysis, as well as depth, wear, and tire surface abnormalities that are displayed in an easy-to-read format.



### OptiLine™ WHEEL SET OPTIMIZATION

Based on a predetermined set of criteria, OptiLine™ suggests the optimal location for each wheel to address any pull or vibration-related issues.

*WHEN GOOD ENOUGH ISN'T ENOUGH, JB.*

# FASTER CYCLE TIME EFFORTLESS CLAMPING

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## TOUCHSCREEN INTERFACE

Fast and intuitive interface with large digits, colored weight position indicators increase speed, ease-of-use, and ergonomics for the daily job.

## RIM LIGHTING

Bright LED lighting system that facilitates rim cleaning and aids in the weight positioning process.

## Power Clamp™

The electromechanical power clamping device always clamps the wheel accurately with a constant force and provides a reliable and consistent condition to assure accurate and repeatable measurements.



## easyWeight™

Take the guesswork out of weight placement; this pinpoint accurate system uses a laser to show the exact spot to place a weight to ensure precise balancing.

## AUTOMATIC DATA ENTRY

No manual data entry is required; the rim scanner automatically detects all the wheel dimensions and selects the balancing mode, weight type, and weight position to speed up the balancing cycle time and minimize operational errors.

## AUTOMATIC SPOKE DETECTION

The laser scanner automatically detects the number and position of rim spokes for the system to indicate weight placement behind wheel spokes and allow for split weights.

## SPLIT WEIGHT MODE

This feature allows for accurate balancing with easy-to-follow manual procedures to hide the weights behind the spokes, preserving the wheel's visual presentation.

## smartSonar™

Automatic rim width detection using sonar sensors to avoid manual entry errors.

## STOP IN POSITION

Touch the screen to automatically rotate the wheel to the weight application position.

## QuickBAL™

Optimizes the number of revolutions according to each wheel's specifications while always operating at maximum speed and reducing cycle time.

## PRINTOUT

Reports can be printed through the local network or saved as a PDF to an external flash drive.

**JohnBean**





# B2000P

## TECHNICAL SPECIFICATIONS

|                    |                             |
|--------------------|-----------------------------|
| Max Wheel Diameter | 44"   112cm                 |
| Max Wheel Weight   | 154 lbs.   70 kg            |
| Max Rim Width      | 20"   51cm                  |
| Power Supply       | 230V 50/60Hz                |
| Dimensions HxWxL   | 74"x48"x62"   189x123x158cm |

## STANDARD ACCESSORIES

- Four Cone Set (53-132mm)
- Weight Pliers
- Rim Width Caliper
- Weight Remover Tool

## OPTIONAL ACCESSORIES

- Power Clamp™ Speed Plate Kit with Collets
- Power Clamp™ Medium Duty Kit
- Nine Collet Set
- Basic Light Truck Cone Kit

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