

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 tyre 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, tyre wear-out prediction, uneven wear diagnosis, and automatic balance 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 tyre 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

Optimise the assembly of the tyre on the rim and reduce the amount of necessary weight.



LASER 3D SURFACE MAPPING

Utilises 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 OPTIMISATION

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.

smartSonar™

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

AUTOMATIC DATA ENTRY

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

STOP IN POSITION

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

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.

QuickBAL™

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

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.

PRINTOUT

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

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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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