

Be **PRECISE**



**JohnBean**

**B2000P**

# 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



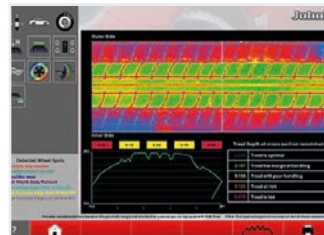
### RUNOUT MEASUREMENTS

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, coloured weight position indicators increase speed, ease-of-use, and ergonomics for the daily job.



## 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.

## STOP IN POSITION

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

## AUTOMATIC DATA ENTRY

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

## QuickBAL™

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

## 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.

## PRINTOUT

Reports can be saved as a PDF to an external flash drive.

## 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.

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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

- Three Centring Cone Set (42-116mm)
- Weight Pliers
- Adhesive Weight Remover
- Clamping Cone with Rubber Cushion
- Calibration Weight
- 4 Storage Pegs
- Power Clamp™ Sleeve

## OPTIONAL ACCESSORIES

- Light Truck Kit - Spacer and Cone (122-172mm)
- Clamping Plate (200mm)
- Set of 9 Low-Taper Centring Collets (52,5-122mm)
- Set of FP Quick Flange Plates
- External Insulation Transformer
- Software Client - PC Software "Network 2"

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AUSTRIA  
+43 2641 24 5 24

FRANCE  
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