



Premium Range **BRIGHT**

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BP3021

Passenger wheel balancer with laser



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Model: BP3021

Product: Passenger wheel balancer with laser

Description: The CB3021 is a high-precision, automatic digital wheel balancer engineered for commercial tyre shops, dealerships, and general automotive workshops. Designed with automatic 2D dimension input, multi-ALU positioning modes, split weight functionality, and an intuitive LED control interface for rapid cycle times and accurate balance results.

Features:	Benefits:
Designed and Engineered in Europe	Italian software.
High-Precision ARM Microprocessor System	Delivers high intelligence, superior processing stability, and accurate imbalance calculations
High-Precision Spindle & Bearings	Wear-resistant, ultra-quiet mechanical shaft designed for long service life and smooth operation
8-Second Balance Cycle & Accuracy	Rapid cycle times increase shop throughput and profitability while maintaining precise wheel balance results.
Automatic Distance & Diameter Ruler (A & D Input)	Automatically acquires rim distance and diameter measurements to speed up setup and eliminate manual input errors.
Integrated Laser Indicator Line	Pinpoints exact weight placement positions on the inner rim for accurate, hassle-free stick-on weight placement
Weight Hidden / Split Function	Splits stick-on weights behind adjacent spokes on aluminum alloy wheels to maintain clean wheel aesthetics.
Weight Optimization (OPT) Mode	Reduces overall weight consumption and resolves severe imbalance issues by matching tire placement on the rim.
Multiple Balancing Modes (Steel, ALU & Motorcycle)	Versatile balancing modes accommodate standard steel rims, specialized alloy designs (ALS1/ALS2), and motorcycle wheel
Intelligent Self-Calibration & Fault Diagnosis	Simple user-led calibration routine ensures long-term measurement accuracy, with automatic error code identification for quick troubleshooting.
High-Strength Protective Hood with Auto-Start	Enhances technician safety by preventing weight fly-off and automatically initiates the balance cycle when lowered.
Emergency STOP Button	Allows instant shutdown of the rotating shaft in case of emergency or severe wheel wobble.
	Increased Efficiency: Automatic measurement rulers and an 8-second spin cycle significantly reduce per-wheel setup time during peak business hours.

	Reduced Material Costs: The OPT optimization program minimizes lead/adhesive weight consumption over time, lowering shop consumable costs.
	Customer Satisfaction: Eliminates high-speed steering wheel vibration, preventing premature tyre wear and steering system damage to ensure repeat customer trust.
Training available	Technicians can be professionally trained to use the machine and get the maximum benefit from it.
1 year warranty	The machine will be repaired if there are any factory faults and can be replaced if required.
Spares available	Should you have a breakdown you will not have to wait for your machine to be repaired. If there is anything we don't have, we fly it in directly from the Suppliers.

Technical information	
Rim diameter	10" - 24" inch
Max wheel weight	70 kg
Max wheel width	1000 mm
Rim width	1.5" - 20" inch
Precision	±1 g
Motor power	0.25 kW
Power supply	100/230V 1 ph
Rotation per minute	200 rpm
Balancing time	10 s
Second time mounting test	<5 g
Packaging dimensions	1300*1150*1700 mm
Net weight	150 kg
Gross weight	170 kg

