

The APEX® AB24M is a commercial-grade manual wheel balancer designed to handle passenger car, light truck, and motorcycle wheels with ease. Instead of a motorized spindle, technicians spin the wheel by hand using the integrated **Quick-Spin Speed-Nut™** system, reaching optimal balancing speed quickly and safely.

Designed to mount directly to a tire changer using a specialized bracket, this compact APEX manual balancer delivers precise electronic balance readings while relying on simple, technician-controlled hand-spin operation. The wheel is rotated manually, then slowed and stopped using an integrated manual brake handle that applies controlled pressure directly to the tire – allowing accurate, repeatable weight placement without motors or complex electronic braking systems.

With fewer moving parts, the **AB24M** offers lower maintenance requirements, long-term reliability, and outstanding value for shops seeking professional results in a compact footprint.

Compact, Space-Saving Changer-Balancer Design

Designed to maximize shop efficiency, this compact wheel balancer bolts directly onto the side of most swing-arm tire changers, transforming a single machine into a complete changing-and-balancing workstation. By integrating both functions into one performance-driven package, it eliminates the need for a standalone balancer, frees up valuable floor space, and streamlines workflow between mounting and final balance.

Installation is quick and straightforward using the included mounting brackets and hardware, requiring no special fabrication. For added flexibility, the unit can also be mounted to any suitable vertical support pole or structural beam, allowing shops to tailor placement to their specific layout while keeping balancing exactly where the work happens.

Precision That Delivers – Simply

At the core of the **APEX AB24M** is advanced digital sensing technology that calculates accurate imbalance readings for both inner and outer planes. After the wheel is hand-spun to speed, correction values are displayed clearly, and bright LED indicators guide the technician to precise 12 o'clock weight placement.

NEW!



Advanced Digital Sensing Architecture

The **AB24M** is engineered around an advanced digital signal processor paired with a streamlined single-chip architecture to deliver fast, stable, and highly repeatable balance measurements. This consolidated design reduces latency, minimizes heat buildup, and enhances long-term reliability in high-use shop environments.

High-precision quartz piezoelectric sensors measure imbalance forces in multiple directions simultaneously, capturing longitudinal, transverse, and shear loads with exceptional sensitivity. The result is consistent, high-frequency measurement accuracy across all axes – even when balancing today's larger-diameter alloy and performance wheel assemblies.

Designed for Speed & Ease of Use

- **Quick, Damage-Free Wheel Mounting** – A full cone set and rubber-lined no-mar Quick-Nut™ system make wheel mounting fast and secure while helping protect expensive wheels from damage.
- **Comprehensive Mounting Cone Package** – Includes three automotive and light-truck cones (1.75”–2.75”, 2.75”–3.50”, 3.50”–4.25”) plus a larger truck cone (4.50”–5.00”) and a spacer ring to handle a wide range of hub sizes.
- **Weight Optimization** – Automatically calculates the minimum weight required for proper balance, reducing weight usage, lowering consumable costs, and improving efficiency.
- **Graphic User Interface** – Intuitive touch-pad interface displays wheel and tire graphics that guide technicians through data entry and balance procedures quickly and accurately.
- **LED Rolling Weight Placement Indicators** – Bright LED indicators guide technicians as the wheel is rotated to top-dead-center, simplifying clip-on and tape-weight placement. Tiered indicators assist with split-weight and behind-the-spoke applications for clean, OEM-style results.



Mounting Shaft



Cone Hangers



User Interface



Ruler Rod

Everything You Need to Get Up and Balancing Right Out of the Box

The APEX® AB24M ships with a complete professional accessory package, eliminating the need for immediate add-ons or upgrades. From a full cone kit and **Quick-Spin Speed-Nut™** system to essential measuring tools and service hardware, each included component is selected to maximize accuracy, efficiency, and wheel protection.

It's a turnkey balancing solution designed to minimize setup time, streamline daily operation, and deliver confident results from day one – another example of how **APEX** and **BendPak** focus on real-world shop value.

What's Included

- Calibration weight
- Four-piece cone kit (4 Cones)
- Truck cone spacer ring
- Quick-Spin Speed-Nut™ system
- Quick-Spin Speed-Nut
- Speed-Nut protective cover
- Speed-Nut cup
- Wheel width caliper
- Weight hammer / pliers
- Allen wrench set
- Back spring

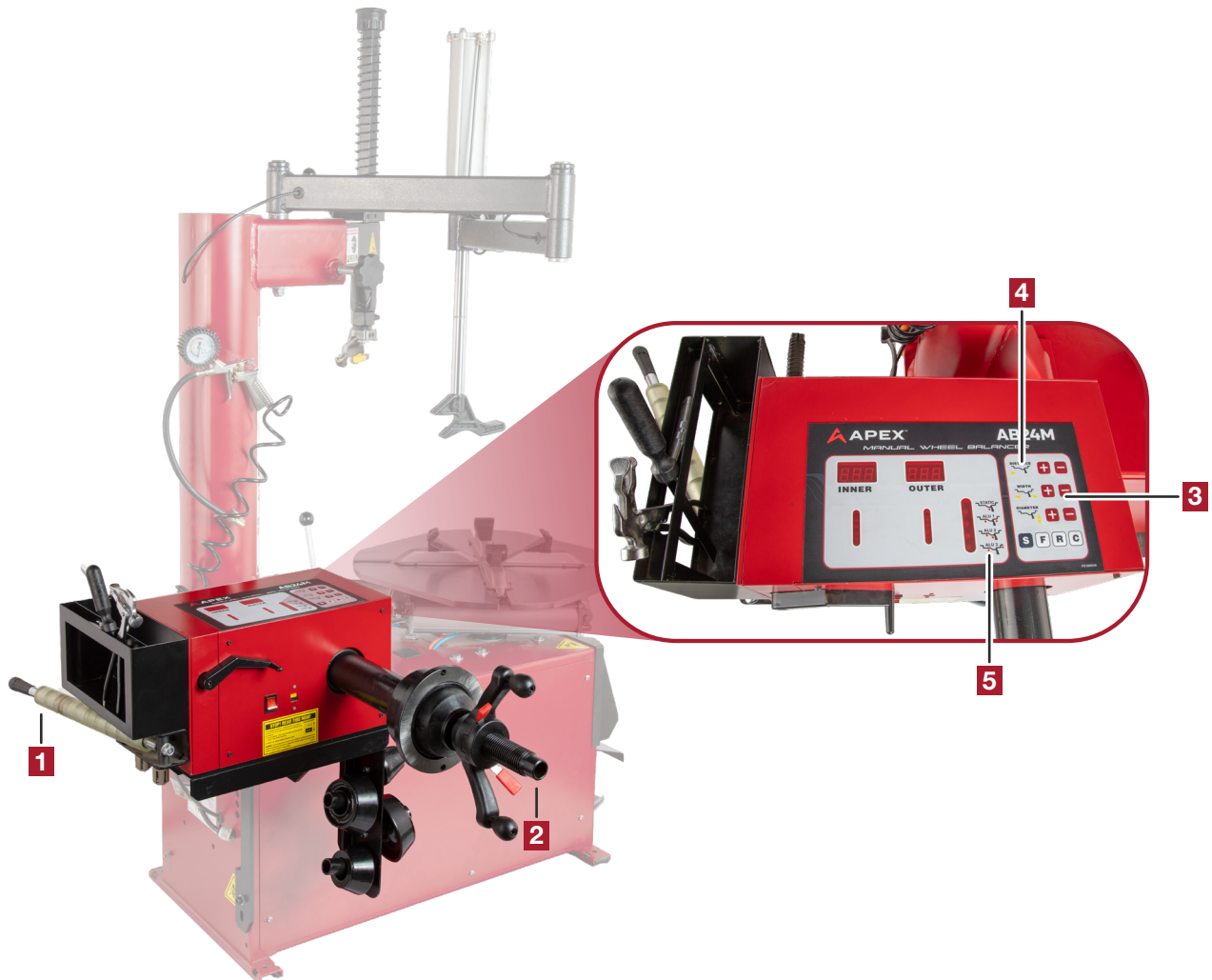
Features at a Glance

Built to Handle Daily Shop Use

- Low-RPM hand-spin balancing with fast balance calculation
- 1** Manual brake handle for controlled wheel stopping and positioning
- Self-calibration function for long-term accuracy
- 2** Precision-machined 36 mm hardened steel shaft
- No-mar mounting components help protect expensive wheels
- Durable construction for daily commercial operation

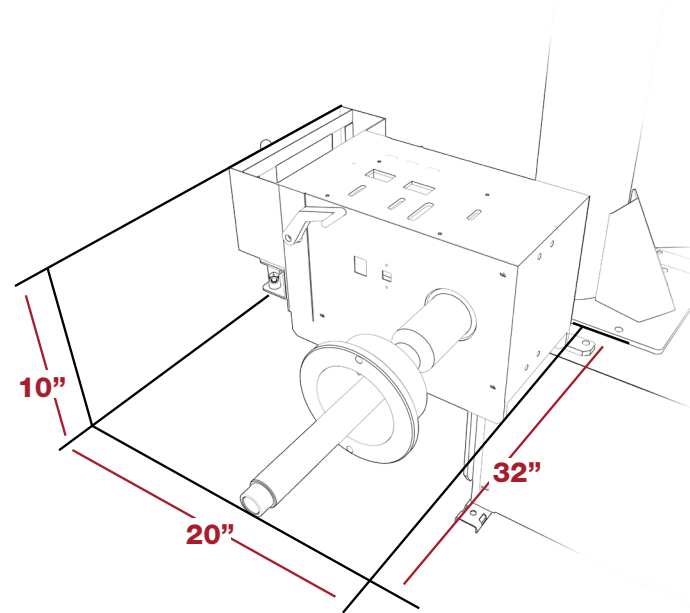
Balancing Modes & Functions

- 3** Dynamic and static balancing modes
- 4** Performance alloy (ALU) programs
- 5** Simultaneous display of static, dynamic, and alloy balance data
- Automatic rolling wheel parameter measurement
- Gram/ounce and inch/millimeter unit selection
- Automatic round-off with top-dead-center indication
- Motorcycle and ATV balancing capability (with optional accessories)



SPECIFICATIONS

Power	110/220 VAC, 50/60 Hz, 1 Ph 15W
Balancing Modes	1 dynamic / 1 static / 3 aluminum alloy
Maximum Tire Diameter	31.5 in. (800 mm)
Maximum Tire Weight	143 lbs. (65 kg)
Max. Wheel Diameter	12 in. to 24 in. (305 mm to 610 mm)
Wheel Width Capacity	4 in. to 15 in. (102 mm to 381 mm)
Accuracy	± .035 oz. (1 gram)
Resolution	.25 oz. (5 grams)
Weight	89 lbs. (40kg)
Power Cord Length	72 in. Min. (1,828 mm Min.)
Working Temperature	+32°F to +122°F (0°C to +50°C)
Storage Temp.	+14°F to +140°F (-10°C to +60°C)
Relative Humidity	20% to 95%



Optional Productivity Accessories

Pneumatic Wheel Lift (Optional)

SKU 5150593

Simplifies handling heavy truck and custom wheels, reducing technician fatigue and risk of injury. Smooth one-handed operation raises and positions wheels quickly for mounting.



Motorcycle Shaft Kit (Optional)

SKU 5150320

Universal clamp kit accommodates Harley-Davidson, Japanese, and European motorcycle wheels with hub widths up to 9-1/2". Installs quickly on the 36 mm shaft.



Flange Plate Kit (Optional)

SKU 5150020

Multi-position flange plate with lug-bolt adapters provides greater centering accuracy than cones alone – ideal for vibration-sensitive vehicles and performance applications.

