

KATOOL KT-T830 & KT-B760

Instruction Manual: KATOOL KT-T830 Tire Changer & KT-B760 Wheel Balancer Combo Machine

Model: KT-T830 & KT-B760

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, maintenance, and troubleshooting of your KATOOL KT-T830 Tire Changer and KT-B760 Wheel Balancer Combo Machine. This professional-grade equipment is designed for tire repair and maintenance, offering robust performance for various wheel and tire sizes.



Figure 1: KATOOL KT-T830 Tire Changer and KT-B760 Wheel Balancer Combo Machine.

2. SAFETY INFORMATION

Always prioritize safety when operating heavy machinery. Read and understand all safety warnings and instructions before use. Failure to do so may result in serious injury or equipment damage.

- Ensure the machine is installed on a level, stable surface.
- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and steel-toed boots.
- Disconnect power before performing any maintenance or adjustments.
- Keep hands and clothing clear of moving parts.
- Do not exceed the specified maximum wheel dimensions or weight.
- Ensure proper air pressure supply for the tire changer.
- Only trained personnel should operate this equipment.

3. SETUP AND INSTALLATION

3.1 Unpacking and Inspection

Carefully unpack all components. Verify that all items listed in the "What's in the Box" section are present and undamaged. Report any discrepancies to your supplier immediately.

- Tire Changer KT-T830
- Wheel Balancer KT-B760
- Mounting head with plastic cover
- Bead breaker spade cover
- Inflation gauge
- Assist arm components
- Wheel balancer accessories (cones, quick-release nut, calipers, weights, etc.)



Figure 2: KT-T830 Tire Changer highlighting larger disk, easier operation, and stronger material.

3.2 Site Preparation

Choose a location with sufficient space for operation and maintenance, a stable concrete floor, and access to appropriate power and air supply.

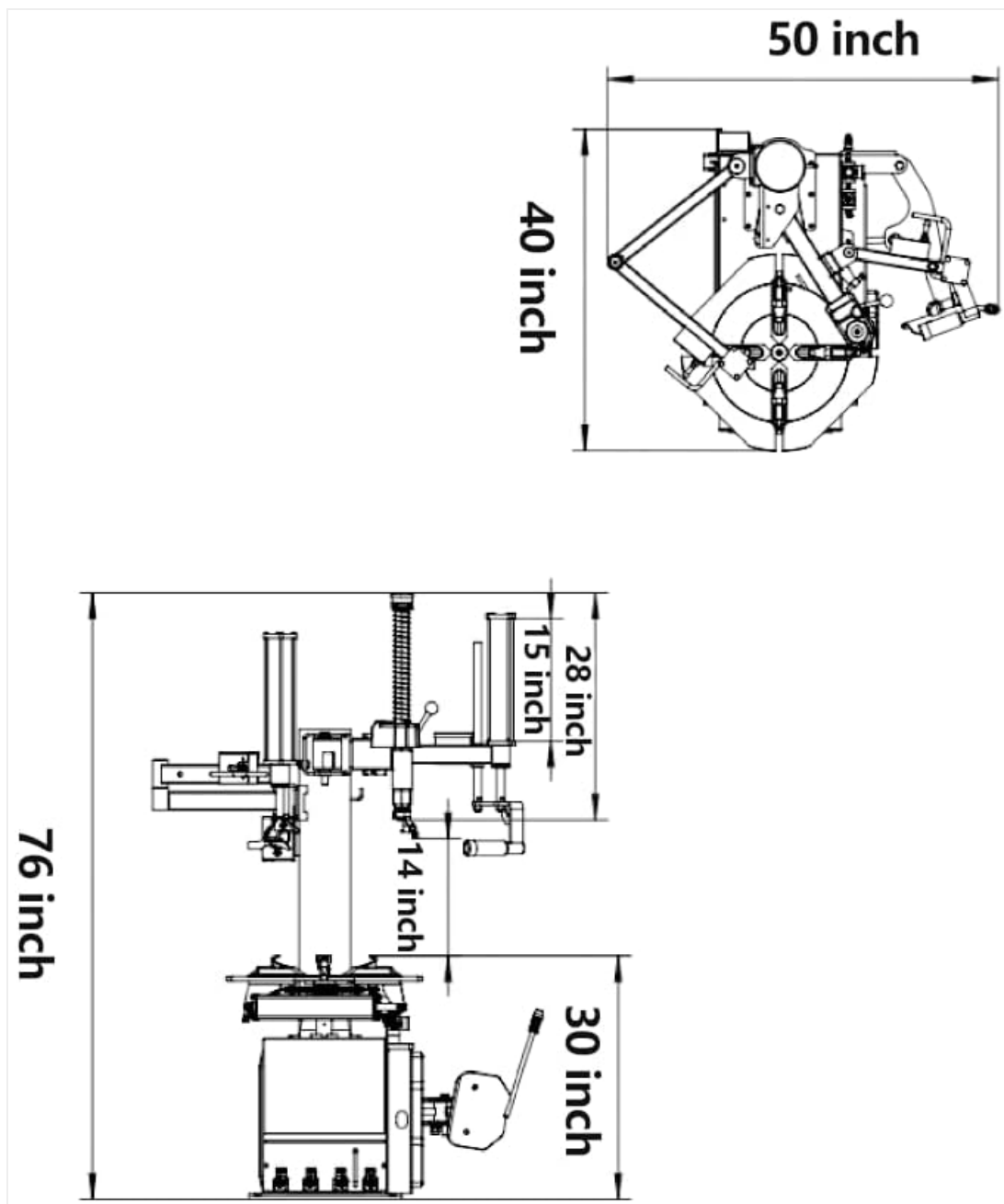


Figure 3: Dimensional drawing for installation planning.

3.3 Electrical and Air Connections

- Connect the tire changer and wheel balancer to a dedicated 120V 1PH power supply.
- Connect the tire changer to an air compressor capable of supplying 0.8-1.0 Mpa (116-145 psi) of air pressure. Ensure an air filter/lubricator is installed in the air line.

3.4 Assembly

Assemble the assist arm, mounting head, and other components as per the assembly diagrams provided in the separate assembly guide (not included in this manual). Ensure all fasteners are securely tightened.



Figure 4: Overview of newly upgraded components including bigger disk, larger cylinder, and improved assist arm.

4. OPERATING INSTRUCTIONS

4.1 KT-T830 Tire Changer Operation

1. **Preparation:** Ensure the tire changer is powered on and connected to the air supply. Lubricate the tire bead and rim edge.
2. **Bead Breaking:** Position the wheel on the turntable. Use the bead breaker shovel and pedal control to break both the upper and lower beads from the rim.
3. **Clamping:** Place the wheel on the turntable and use the foot pedals to clamp the rim securely from the outside (12"-22") or inside (14"-24").
4. **Tire Removal:** Position the mounting head. Use the assist arm if necessary. Pry the tire bead over the mounting head using a tire lever while rotating the turntable via the foot pedal. Repeat for the second bead.
5. **Tire Installation:** Lubricate the new tire's beads. Position the tire on the rim. Use the mounting head and assist arm to guide the tire onto the rim while rotating the turntable.
6. **Inflation:** Inflate the tire using the integrated inflation gauge with pedal control. Ensure the bead seats properly. Do not overinflate.

4.2 KT-B760 Wheel Balancer Operation



Figure 5: KT-B760 Wheel Balancer featuring automatic measurement ruler for inputting A and D values.

1. **Mounting the Wheel:** Select the appropriate cone and mount the wheel securely onto the balancer shaft. Tighten the quick-release nut.
2. **Inputting Data:** Use the automatic measurement ruler to input the A (distance), D (diameter), and W (width) values. Select the desired balancing mode (e.g., static, dynamic, ALU modes).
3. **Starting Measurement:** Lower the wheel guard (if equipped) and press the START button. The wheel will spin and the machine will calculate the imbalance.
4. **Applying Weights:** The display will indicate the amount and location of weights required. Rotate the wheel to the indicated position and apply the correct weights to the inner and outer rim flanges.
5. **Re-check:** Spin the wheel again to verify the balance. Repeat the process if necessary until the display shows zero or minimal imbalance.



Figure 6: KT-B760 Wheel Balancer in operation with a wheel mounted.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your KATOOL equipment.

- **Daily:** Clean the machine surfaces. Check air lines and connections for leaks.
- **Weekly:** Lubricate moving parts of the tire changer, especially the clamping jaws and assist arm pivots. Check the oil level in the air lubricator.
- **Monthly:** Inspect all electrical connections for wear or damage. Check the tightness of all bolts and fasteners. Clean the wheel balancer shaft and cones.
- **Annually:** Perform a self-calibration on the wheel balancer. Inspect the motor and belts for wear.

6. TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed here, contact KATOOL customer support.

Problem	Possible Cause	Solution
Tire Changer not clamping	Low air pressure; clogged air filter; worn cylinder seals.	Check air supply; clean/replace air filter; contact service for seal replacement.
Wheel Balancer inaccurate readings	Incorrect data input; machine not calibrated; dirty shaft/cones; unstable mounting.	Verify input values; perform self-calibration; clean shaft/cones; re-mount wheel securely.
Machine not powering on	No power supply; tripped circuit breaker; faulty power switch.	Check power outlet/cord; reset breaker; contact service.

7. SPECIFICATIONS

7.1 KT-T830 Tire Changer

Specification	Value
Max Wheel Diameter	41" / 1040mm
Max Wheel Width	15" / 380mm
Outside Clamp	12" - 22"
Inside Clamp	14" - 24"
Power Supply	120V 1PH
Motor Power	2.0HP / 1.5KW
Rotation Speed	6.8 r/min
Air Pressure	0.8 - 1.0 Mpa (116-145 psi)
Net Weight	240 KG

7.2 KT-B760 Wheel Balancer

Specification	Value
Rim Diameter	<30"
Wheel Width	3" - 12"

Specification	Value
Wheel Diameter	<880mm
Balancing Speed	180 rpm
Power Supply	120V 1PH
Motor Power	0.25KW
Rim Center Hole Dia.	<135mm
Wheel Weight	<65KG
Balancing Accuracy	±1g
Measuring Time	7 seconds

LATEST *VS* OTHERS



12"- 22" Clamp rim size outside
14"- 24" Clamp rim size inside
4 aluminum pedals
7.9" oil cylinder
strong structure
larger pneumatic lock



10"- 20"
3 plastic pedals
7" cylinder
fragile structure
Ordinary pneumatic lock



200mm
7.9inch

✓



177mm
7 inch

✗



✓



✗



✓



✗



✓



✗



✓



✗



✓



✗

Figure 7: Comparison of KATOOL's latest features against other models, highlighting superior specifications.

8. WARRANTY AND SUPPORT

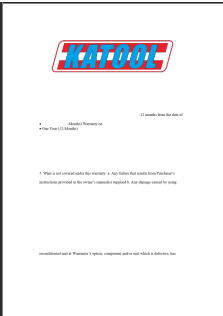
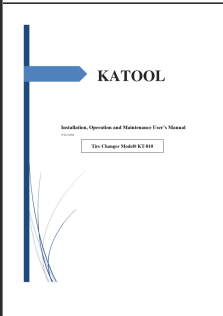
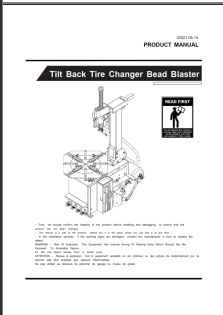
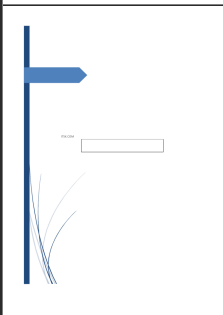


KATOOL provides a **12-month warranty** on all parts for both the KT-T830 Tire Changer and the KT-B760 Wheel Balancer from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or spare parts, please contact KATOOL customer service through the vendor from whom you purchased the product or visit the official KATOOL website for contact information.

Please have your model number (KT-T830 & KT-B760) and purchase date available when contacting support.

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Related Documents - KT-T830 & KT-B760

	<p>Katool Wheel Service Equipment Warranty Information</p> <p>Detailed warranty information for Katool wheel service equipment, including tire changers, wheel balancers, and wheel aligners. Covers terms, limitations, and responsibilities of both the warrantor and purchaser.</p>
	<p>KATOOL KT-810 Tire Changer: Installation, Operation, and Maintenance Manual</p> <p>Comprehensive user manual for the KATOOL KT-810 Tire Changer, covering installation, operation, safety procedures, technical specifications, maintenance, troubleshooting, and warranty information. Includes detailed steps for tire mounting and demounting.</p>
	<p>Katool KT-T850 Tire Changer: Product Manual & Operation Guide</p> <p>Official product manual for the Katool KT-T850 Tilt Back Tire Changer Bead Blaster. Provides essential information on installation, safe operation, maintenance, troubleshooting, and technical specifications for automotive workshops.</p>
	<p>KATOOL KT-830 Tire Changer: Installation, Operation, and Maintenance Manual</p> <p>Comprehensive user manual for the KATOOL KT-830 semi-automatic swing arm tire changer, covering installation, operation, maintenance, safety guidelines, and troubleshooting.</p>
	<p>Ningbo Leader Electrical Corp. Air Conditioner Remote Controls</p> <p>A comprehensive overview of Ningbo Leader Electrical Corp.'s range of Air Conditioner (A/C) remote controls, detailing features, model numbers, and functionalities for various models.</p>
	<p>RocHobby Critical Mass Operating Manual</p> <p>Comprehensive operating manual for the RocHobby Critical Mass model aircraft, covering assembly, setup, safety precautions, flying tips, troubleshooting, and spare parts.</p>

