

KATOOL KT-T850, KT-B760

KATOOL KT-T850 Tire Changer and KT-B760 Wheel Balancer User Manual

Model: KT-T850 (Tire Changer), KT-B760 (Wheel Balancer)

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your KATOOL KT-T850 Tire Changer Machine and KATOOL KT-B760 Wheel Balancer. Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent injury or damage.



Figure 1.1: The KATOOL KT-T850 Tire Changer and KT-B760 Wheel Balancer machines.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines when operating the KATOOL KT-T850 Tire Changer and KT-B760 Wheel Balancer:

- Read and understand all instructions and warnings in this manual before use.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection.
- Ensure the equipment is placed on a level, stable surface and properly secured.
- Keep hands, feet, and clothing clear of moving parts.
- Disconnect power before performing any maintenance or adjustments.
- Do not operate the machine if any parts are damaged or missing.
- Ensure adequate ventilation when working with tires, especially during bead seating.
- Only trained personnel should operate this equipment.

3. PRODUCT OVERVIEW

3.1 KATOOL KT-T850 Tire Changer

The KATOOL KT-T850 is a professional-grade tire changer designed for efficient tire mounting and demounting. It features a robust construction and user-friendly design.



Figure 3.1: The KATOOL KT-T850 Tire Changer.

- **Clamping Range:** Outside clamp: 14-26 inches; Inside clamp: 16-28 inches.
- **Tilt-Back Design:** Provides convenience for larger tires and easier access.
- **Mounting Head:** Constructed from stainless steel with solution treatment and interface polishing, includes a plastic cover for rim protection.
- **Bead Blaster:** Integrated bead blast seater with a post tank for efficient bead seating.
- **Bead Breaker:** Features a 186mm stainless steel bead breaker cylinder.
- **Assist Arm:** Improved assist arm and fixture for enhanced operation.
- **Shovel:** Larger universal shovel for various tire types.
- **Disk Size:** Bigger 28-inch disk.



Figure 3.2: Key features of the KATOOL KT-T850 Tire Changer, including the assist arm, pedals, and mounting head.

3.2 KATOOL KT-B760 Wheel Balancer

The KATOOL KT-B760 is an automatic measurement wheel balancer designed for precise wheel balancing, ensuring smooth vehicle operation.



Figure 3.3: The KATOOL KT-B760 Wheel Balancer.

- **Automatic Measurement:** Features an automatic measurement ruler for inputting A and D values.
- **Construction:** Body constructed from 3mm thick steel for high strength and minimal vibration.
- **Motor:** Top-level motor with pure copper winding for power, fast heat dissipation, and extended lifespan.
- **Shaft:** Longer shaft accommodates wider wheels.

4. SETUP

Proper setup is crucial for the safe and effective operation of your KATOOL equipment. It is recommended that setup be performed by qualified personnel.

4.1 Unpacking and Inspection

- Carefully unpack all components from the shipping crates.
- Inspect both the KT-T850 Tire Changer and KT-B760 Wheel Balancer for any signs of shipping damage. Report any damage to the carrier immediately.
- Verify that all parts listed in the packing list are present. The package includes the tire changer machine and the wheel balancer machine.

4.2 Placement

- Choose a level, solid concrete floor capable of supporting the weight of the machines and the tires/wheels being serviced.
- Ensure sufficient clearance around both machines for safe operation and maintenance.
- Position the machines away from flammable materials and sources of moisture.

4.3 Electrical and Air Connections

- Connect the power cords of both machines to appropriate grounded electrical outlets as specified in the electrical requirements section (refer to specifications).
- For the KT-T850 Tire Changer, connect a compressed air supply line to the designated inlet. Ensure the air supply meets the required pressure and flow rates.

4.4 Initial Checks

- Before first use, check all fasteners for tightness.
- Lubricate moving parts as indicated in the maintenance section.
- Perform a functional test of all controls and movements without a tire or wheel.

5. OPERATING INSTRUCTIONS

5.1 KATOOL KT-T850 Tire Changer Operation

Follow these steps for safe and effective tire changing:

1. **Prepare the Wheel:** Remove any old balance weights and valve stem. Deflate the tire completely.
2. **Position the Wheel:** Place the wheel on the turntable.
3. **Clamp the Wheel:** Use the foot pedal to activate the clamps. Ensure the wheel is securely clamped. The machine supports outside clamping from 14-26 inches and inside clamping from 16-28 inches.
4. **Break the Bead:** Position the bead breaker shovel against the tire sidewall, close to the rim. Use the foot pedal to activate the bead breaker cylinder, pushing the bead away from the rim. Repeat for both sides of the tire.
5. **Demount the Tire:**
 - Lubricate the tire beads and rim edges.
 - Swing the mounting arm into position. The tilt-back design allows for easy adjustment.
 - Engage the mounting head under the top bead.
 - Rotate the turntable using the foot pedal to demount the top bead.
 - Repeat for the bottom bead.

6. **Mount the Tire:**

- Lubricate the new tire beads and rim edges.
- Position the bottom bead over the mounting head.
- Rotate the turntable to mount the bottom bead.
- Position the top bead over the mounting head. Use the assist arm for stiff sidewalls or low-profile tires.
- Rotate the turntable to mount the top bead.

7. **Bead Seating:** Use the integrated bead blast seater to quickly inflate the tire and seat the beads. Ensure the tire is properly seated before full inflation.

8. **Inflate Tire:** Inflate the tire to the manufacturer's recommended pressure.



Figure 5.1: Adjusting the angle and operating pedals on the KT-T850 Tire Changer.

SUITABLE FOR VARIOUS KIND OF TIRES



Figure 5.2: The adjustable clamps of the KT-T850 Tire Changer, suitable for various tire types.

5.2 KATOOL KT-B760 Wheel Balancer Operation

Follow these steps for accurate wheel balancing:

1. **Mount the Wheel:** Securely mount the wheel onto the balancer's shaft using the appropriate cone and quick-release nut.
2. **Input Data:** Use the automatic measurement ruler to input the wheel's A (distance), D (diameter), and W (width) values. The machine will automatically detect and input A and D values.
3. **Start Measurement:** Close the wheel guard (if applicable) or press the START button to initiate the spin cycle.
4. **Read Results:** The display will show the required weight amounts and their precise locations on both the inner and outer sides of the rim.
5. **Apply Weights:** Attach the correct balance weights to the indicated positions on the rim.
6. **Re-spin (Check Balance):** Spin the wheel again to verify the balance. If the display shows zero or minimal imbalance, the wheel is balanced.
7. **Remove Wheel:** Once balanced, remove the wheel from the balancer.

6. MAINTENANCE

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

- **Daily:** Clean both machines of tire debris, dust, and grease. Inspect air lines and electrical cords for damage.
- **Weekly:** Lubricate all pivot points and moving parts on the tire changer (e.g., clamping jaws, bead breaker pivot, mounting arm) with appropriate grease. Check air pressure and filter/lubricator levels.
- **Monthly:** Inspect all bolts and fasteners for tightness. Check for wear on plastic rim protectors and replace if necessary. Calibrate the wheel balancer if accuracy issues are observed (refer to specific balancer calibration instructions, usually found in a separate technical manual).

- **Annually:** Have a qualified technician inspect and service both machines.

Important: Always disconnect power and air supply before performing any maintenance.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact KATOOL support.

Problem	Possible Cause	Solution
KT-T850: Machine does not power on.	No power supply; tripped circuit breaker; faulty switch.	Check power cord connection; reset circuit breaker; contact service.
KT-T850: Clamps not holding wheel securely.	Low air pressure; worn clamping jaws; debris in jaws.	Check air supply; clean jaws; replace worn jaws.
KT-T850: Bead breaker not effective.	Low air pressure; improper positioning; worn cylinder seals.	Check air supply; reposition tire/shovel; contact service for seal replacement.
KT-B760: Inaccurate balance readings.	Improper wheel mounting; incorrect data input; machine out of calibration.	Re-mount wheel correctly; verify data input; perform calibration.
KT-B760: Machine does not spin.	No power; safety guard open; motor issue.	Check power; ensure guard is closed; contact service.

8. SPECIFICATIONS

Key specifications for the KATOOL KT-T850 Tire Changer and KT-B760 Wheel Balancer:

Feature	Specification
Manufacturer	KATOOL
Model Numbers	KT-T850 (Tire Changer), KT-B760 (Wheel Balancer)
Tire Changer Outside Clamp	14 - 26 inches
Tire Changer Inside Clamp	16 - 28 inches
Tire Changer Disk Size	28 inches
Tire Changer Bead Breaker Cylinder	186mm stainless steel
Wheel Balancer Measurement	Automatic A and D values input
Wheel Balancer Body Material	3mm thickness steel
Wheel Balancer Motor	Pure copper winding
Power Requirements	Refer to product label for specific voltage and amperage.

Feature	Specification
Air Supply (Tire Changer)	Refer to product label for specific pressure requirements.

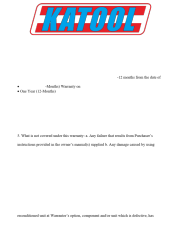
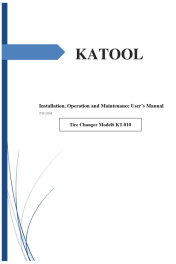
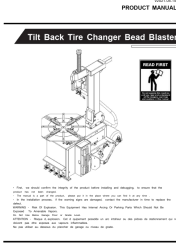
9. WARRANTY AND SUPPORT

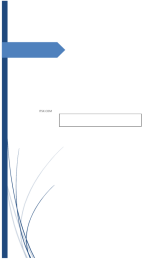

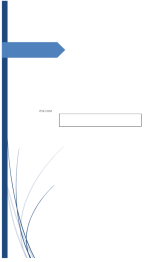
For specific warranty information regarding your KATOOL KT-T850 Tire Changer and KT-B760 Wheel Balancer, please refer to the documentation included with your purchase or contact the seller directly. KATOOL products are manufactured by Rainier Engineering, Ltd.

For technical support, parts, or service inquiries, please contact your authorized KATOOL dealer or Rainier Engineering, Ltd. customer service. Contact information can typically be found on the product packaging or the official KATOOL website.

Seller: Rainier Engineering, LTD

Related Documents - KT-T850, KT-B760

	<p>Katoool Wheel Service Equipment Warranty Information</p> <p>Detailed warranty information for Katoool 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>Katoool KT-T850 Tire Changer: Product Manual & Operation Guide</p> <p>Official product manual for the Katoool 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><u>KATOOL KT-830 Tire Changer: Installation, Operation, and Maintenance Manual</u></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><u>KATOOL Wheel Balancer Operation Manual (Models 600F, 620F, 700F)</u></p> <p>Comprehensive operation manual for KATOOL Wheel Balancers, models 600F, 620F, and 700F. Covers safety instructions, setup, operation, calibration, and troubleshooting for automotive wheel balancing.</p>
	<p><u>KATOOL KT-830 Tire Changer: Installation, Operation, and Maintenance Manual</u></p> <p>Comprehensive user manual for the KATOOL KT-830 semi-automatic swing arm tire changer, covering installation, operation, maintenance, safety guidelines, technical specifications, troubleshooting, and parts information.</p>

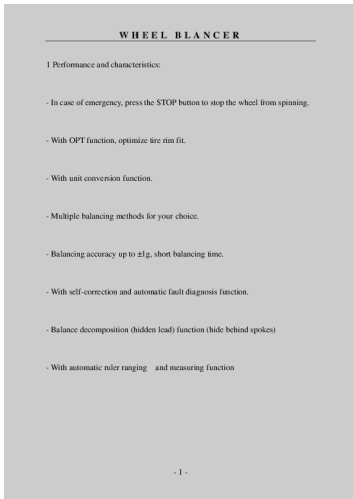


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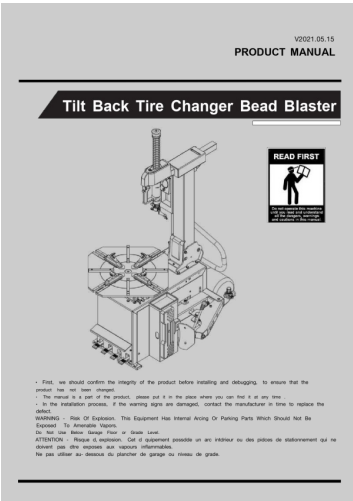


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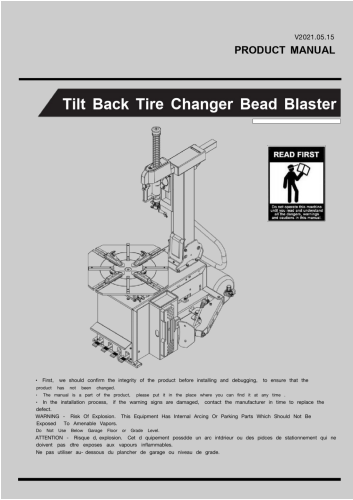
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[Katool KT-T850 Tire Changer: Product Manual & Operation Guide](#)

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.

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