

KATOOL KT-T810 + KT-B700

KATOOL 2.0HP KT-T810 Tire Changer and KT-B700 Wheel Balancer Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your KATOOL 2.0HP KT-T810 Tire Changer with Bead Blaster and KT-B700 Wheel Balancer. Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent injury or damage.

SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and steel-toed boots when operating the tire changer and wheel balancer. Ensure the equipment is properly grounded and connected to the specified power supply. Keep the work area clean and well-lit. Do not operate the machine if any parts are damaged or missing. Refer to local safety regulations for additional guidelines.

SETUP

- Unpacking:** Carefully unpack all components and inspect for any shipping damage. Report any damage to the carrier immediately.
- Assembly:** Follow the detailed assembly instructions provided with your KATOOL equipment. Ensure all fasteners are tightened securely.
- Placement:** Position the tire changer and wheel balancer on a level, stable surface capable of supporting the equipment's weight and the weight of the tires/wheels. Ensure adequate clearance around the machines for safe operation.
- Power Connection:** Connect the equipment to a 120V 1PH power supply as specified. Ensure the electrical outlet is properly grounded.
- Air Supply (Tire Changer):** Connect the tire changer to an air compressor capable of providing 0.8-1.0Mpa (116-145psi) air pressure.

OPERATING INSTRUCTIONS - KATOOL KT-T810 TIRE CHANGER

1. Bead Breaking

Position the wheel on the side-mounted bead breaker. Use the foot pedal controls to apply the 10 bar bead breaker force, separating the tire bead from the rim. Ensure the tire is flush against the machine to prevent movement during bead breaking.



Image: KATOOL KT-T810 Tire Changer, illustrating the side-mounted bead breaker and overall dimensions.

2. Tire Removal and Mounting

1. Place the wheel onto the turntable and secure it using the clamping jaws. The machine supports outside clamping from 12"-22" and inside clamping from 14"-24".
2. Adjust the fast swing arm and the 40mm hex bar for mounting to the correct position. The mounting head is made of stainless steel with a plastic cover to protect the rim.
3. Use the tire lever and the machine's rotation to carefully remove the tire from the rim.
4. Apply tire lubricant to the beads of the new tire and the rim.

5. Position the new tire on the rim and use the machine's rotation and mounting head to carefully mount the tire onto the rim.



Image: Close-up of the stainless steel mounting head with plastic cover on the KATOOL KT-T810 Tire Changer.



Image: View of the clamping mechanism on the KATOOL KT-T810 Tire Changer, showing inside and outside clamping capabilities.

3. Tire Inflation

Once the tire is mounted, use the inflation gauge with pedal control to inflate the tire to the manufacturer's recommended pressure. The closed body design protects internal parts during inflation.



Image: Close-up of the inflation hose and pressure gauge on the KATOOL KT-T810 Tire Changer.

OPERATING INSTRUCTIONS - KATOOL KT-B700 WHEEL BALANCER

1. Wheel Mounting

Mount the wheel securely onto the balancer's shaft. Ensure the wheel is centered and properly fastened using the appropriate cones and quick-release nut.

REVERSE FITTING FOR WHEEL

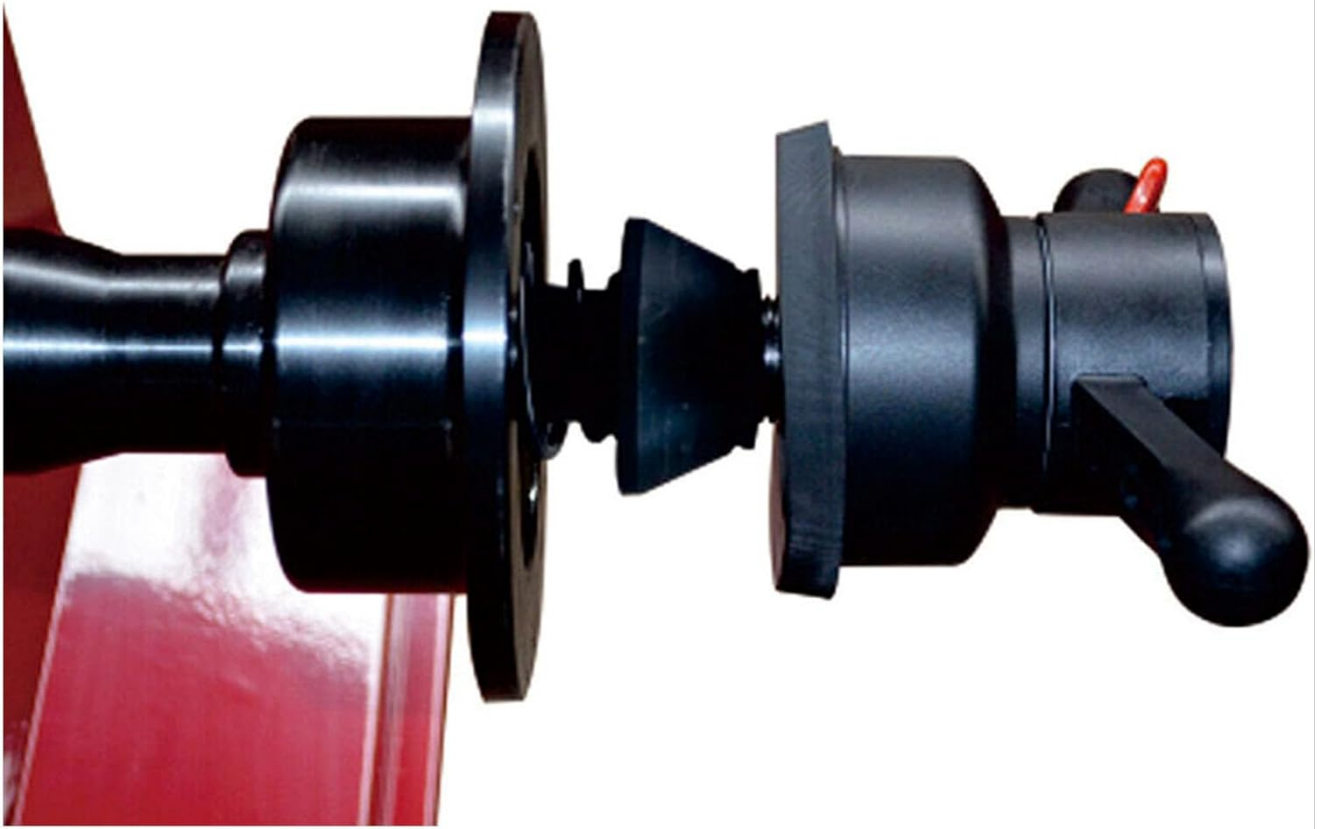


Image: KATOOL KT-B700 Wheel Balancer with a wheel mounted for balancing.

2. Measurement and Balancing

1. Input the wheel's rim diameter, width, and offset into the digital display. The KT-B700 offers various balance modes for different rim types to ensure precision.
2. Lower the wheel guard and initiate the spin cycle. The machine will measure the imbalance.
3. The display will indicate the amount and location of weight needed.

3. Weight Placement

Apply the indicated balance weights to the inner and outer edges of the rim as directed by the machine. Re-spin the wheel to verify balance. The machine features built-in fault diagnosis and self-calibration programs for accuracy.

MAINTENANCE

- Regularly clean the equipment, especially the turntable, clamping jaws, and mounting head, to prevent debris buildup.
- Lubricate moving parts as recommended by the manufacturer to ensure smooth operation and extend the lifespan of the machine.
- Inspect air lines and connections for leaks or damage.
- Check the oiler and filter in the pneumatic system for the tire changer to ensure effective filtration and lubrication.

TROUBLESHOOTING

For specific troubleshooting steps, please refer to the detailed troubleshooting guide provided with your KATOOL equipment. Common issues may include air pressure problems, electrical faults, or sensor calibration needs. Always disconnect power and air supply before attempting any repairs.

SPECIFICATIONS

KATOOL KT-T810 Tire Changer Specifications

Feature	Specification
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	6.8r/min
Air Pressure	0.8-1.0Mpa (116-145psi)
Net Weight	186KG

KATOOL KT-B700 Wheel Balancer Specifications

Feature	Specification
Rim Diameter	<30"
Wheel Width	3"-12"
Wheel Diameter	<880mm
Balancing Speed	180rpm
Power Supply	120V 1PH
Motor Power	0.25KW
Rim Center Hole Dia.	<135mm
Wheel Weight	<65KG
Balancing Accuracy	±1g
Measuring Time	7S

WARRANTY AND SUPPORT

The KATOOL KT-T810 Tire Changer and KT-B700 Wheel Balancer come with a **12-month warranty on all parts**. For technical support, service, or warranty claims, please contact KATOOL customer service through your purchase channel. Keep your proof of purchase for warranty validation.