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KATOOL ME-T560 Tire Changer and ME-B620 Wheel Balancer Combo Instruction Manual

Model: ME-T560+ME-B620

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your KATOOL ME-T560 Tire Changer and ME-B620 Wheel Balancer combo machine. This professional-grade equipment is designed for tire mounting, demounting, and balancing tasks in home garages and professional repair shops.

The ME-T560 Tire Changer features a bead blaster and assist arm for efficient tire handling. The ME-B620 Wheel Balancer includes an automatic measurement ruler for precise balancing. Both units are constructed with durable components for long-term reliability.



Figure 1.1: KATOOL ME-T560 Tire Changer. This image displays the KATOOL ME-T560 Tire Changer, highlighting its rim clamping capabilities: 10-20 inches for outside clamping and 12-24 inches for inside clamping.

2. SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this equipment. Failure to follow these instructions may result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, gloves, and appropriate footwear when operating the machine.
- **Work Area:** Ensure the work area is clean, well-lit, and free from obstructions. Keep children and unauthorized personnel away from the equipment.
- **Power Supply:** Connect the machine to a properly grounded power outlet with the correct voltage and amperage as specified.
- **Air Supply:** Ensure the air compressor and lines are rated for the required pressure and are in good working condition.
- **Stable Surface:** Operate the machine on a level, stable, and solid surface capable of supporting its weight and the weight of the tires/wheels.
- **Emergency Stop:** Familiarize yourself with the location and operation of the emergency stop controls.

- **Tire Inflation:** Never over-inflate tires. Always use a tire cage or other restraint device when inflating tires.
- **Maintenance:** Disconnect power and air supply before performing any maintenance or adjustments.

3. PRODUCT COMPONENTS

The KATOOL ME-T560 Tire Changer and ME-B620 Wheel Balancer combo includes the following main components:

- **ME-T560 Tire Changer Unit:** Main body with turntable, clamping jaws, bead breaker, and control pedals.
- **Assist Arm:** Auxiliary arm for easier tire mounting and demounting, especially for low-profile or stiff tires.
- **Bead Blaster:** Integrated system for seating stubborn tire beads.
- **Air Filter and Regulator:** Ensures clean and regulated air supply to the tire changer.
- **ME-B620 Wheel Balancer Unit:** Main body with balancing shaft, display panel, and weight storage.
- **Automatic Measurement Ruler:** For precise input of wheel dimensions on the balancer.



Figure 3.1: Air Filter and Pressure Gauge. This image shows the air filter and pressure gauge, essential components for maintaining clean air supply and monitoring pressure for optimal machine performance.

4. SETUP AND INSTALLATION

4.1 Unpacking and Inspection

1. Carefully unpack all components from the shipping crates.
2. Inspect all parts for any shipping damage. Report any damage to the carrier and supplier immediately.
3. Verify that all components listed in the packing list are present.

4.2 Placement

- Choose a location with a level, concrete floor capable of supporting the combined weight of the machine and a wheel/tire assembly.
- Ensure adequate space around the machine for safe operation and maintenance.
- Avoid areas with excessive dust, moisture, or flammable materials.

4.3 Power Connection

- Connect the power cord to a dedicated, grounded electrical outlet that matches the voltage and frequency requirements specified on the machine's data plate.
- Do not use extension cords unless absolutely necessary, and ensure they are rated for the machine's power requirements.

4.4 Air Supply Connection (for ME-T560 Tire Changer)

- Connect a clean, dry air supply line to the machine's air inlet.
- Ensure the air pressure is set within the recommended operating range (typically 8-10 bar or 115-145 psi). The integrated air filter and regulator will help maintain optimal pressure and air quality.

4.5 Assembly of Assist Arm

- Attach the assist arm to the main body of the tire changer according to the provided diagrams.
- Secure all fasteners tightly.

5. OPERATING INSTRUCTIONS

5.1 ME-T560 Tire Changer Operation

The ME-T560 is designed for efficient tire changing with automatic operation features.

1. **Prepare the Wheel:** Remove valve core to deflate the tire completely. Remove any balance weights.
2. **Bead Breaking:** Position the wheel on the bead breaker arm. Use the foot pedal to activate the bead breaker, pushing the tire bead away from the rim on both sides.
3. **Clamping the Rim:** Place the wheel on the turntable. Use the foot pedal to activate the clamping jaws. Select either outside clamping (10-20 inches) or inside clamping (12-24 inches) based on the rim type. Ensure the wheel is securely clamped.
4. **Demounting the Tire:** Lubricate the tire beads and rim edges. Position the mounting head correctly. Use the assist arm for leverage if needed. Rotate the turntable using the foot pedal to demount the tire.
5. **Mounting the New Tire:** Lubricate the new tire beads and rim. Position the tire on the rim. Use the assist arm to hold the tire bead down while rotating the turntable to mount the tire.
6. **Bead Seating (Bead Blaster):** If the tire bead does not seat easily, use the integrated bead blaster by activating the appropriate control. Ensure the tire is properly seated before inflation.
7. **Inflation:** Inflate the tire to the manufacturer's recommended pressure. Always use a tire cage or safety restraint during inflation.
8. **Remove Wheel:** Release the clamping jaws and remove the wheel from the turntable.

TIRE CHANGER

Suitable for semi-automatic disassembly and assembly of various high-grade rims

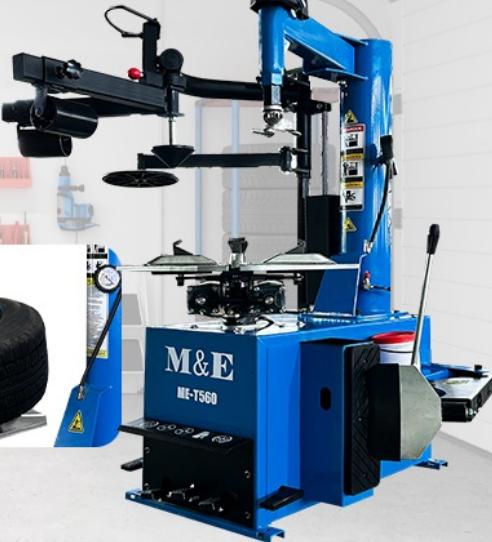


Figure 5.1: Tire Changer in Operation. An overview of the KATOOL Tire Changer, showing its suitability for semi-automatic disassembly and assembly of various high-grade rims, with insets demonstrating tire removal and mounting.

Remove tires with ease!



Figure 5.2: Auxiliary Arm in Use. The auxiliary arm is shown here facilitating the removal of a tire from the rim, demonstrating its role in simplifying the process.



AUTOMATIC OPERATION

It can make your job easier and more convenient to use



Figure 5.3: Automatic Operation. This image highlights the automatic operation features, including rotating mechanisms and step pedal control, designed to make tire changing easier and more convenient.

5.2 ME-B620 Wheel Balancer Operation

The ME-B620 Wheel Balancer provides accurate and efficient 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 Wheel Parameters:** Use the automatic measurement ruler to input the wheel's diameter, width, and offset into the balancer's computer. Follow the on-screen prompts.
- 3. Start Balancing Cycle:** Close the wheel guard (if applicable) and press the START button. The machine will spin the wheel and measure imbalances.
- 4. Interpret 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 Balance Weights:** Attach the correct balance weights to the indicated positions on the rim.
- 6. Re-spin and Verify:** Close the wheel guard and re-spin the wheel to verify that the imbalance has been corrected to zero or within acceptable tolerance. Repeat steps 4-6 if necessary.
- 7. Remove Wheel:** Once balanced, remove the wheel from the balancer shaft.



Figure 5.4: Automatic Measurement Ruler. A detailed view of the integrated measurement ruler, used for accurately determining tire diameter for precise operations on both the tire changer and balancer.

6. MAINTENANCE

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

- **Daily Cleaning:** Clean the machine daily to remove tire debris, grease, and dirt. Use a non-abrasive cleaner.
- **Lubrication:** Periodically lubricate moving parts, especially the clamping jaws and turntable slides, with appropriate grease or oil. The machine features a reliable drop oil system for internal lubrication.
- **Air Filter Inspection:** Check the air filter/regulator unit (Figure 3.1) regularly. Drain any accumulated moisture from the filter bowl and replace the filter element if it appears dirty or clogged.
- **Jaw Inspection:** Inspect the clamping jaws for wear or damage. Replace worn jaws to ensure proper clamping force and prevent rim damage.
- **Belt and Pulley Check:** Periodically inspect drive belts and pulleys for wear, tension, and alignment.
- **Electrical Connections:** Ensure all electrical connections and cables are secure and undamaged.
- **Fastener Check:** Periodically check all bolts and fasteners for tightness and re-tighten as necessary.

7. TROUBLESHOOTING

Refer to this section for common issues and their potential solutions. If you encounter a problem not listed here, or if the suggested solutions do not resolve the issue, contact KATOOL customer support.

Problem	Possible Cause	Solution
Machine does not power on.	No power supply; tripped circuit breaker; faulty switch.	Check power cord connection; reset circuit breaker; contact service technician.
Tire changer turntable does not rotate.	No air pressure; motor issue; foot pedal malfunction.	Check air supply and pressure; ensure power is on; contact service technician.
Tire changer clamping jaws do not operate.	Insufficient air pressure; air leak; pedal issue.	Verify air pressure; check air lines for leaks; inspect foot pedal mechanism.
Wheel balancer shows inconsistent readings.	Improper wheel mounting; incorrect parameter input; machine calibration needed.	Ensure wheel is mounted securely; re-enter parameters carefully; perform calibration (refer to separate balancer manual or contact support).
Bead blaster is not effective.	Low air pressure; nozzle obstruction.	Check air supply and pressure; inspect and clear bead blaster nozzle.

8. SPECIFICATIONS

Key specifications for the KATOOL ME-T560 Tire Changer and ME-B620 Wheel Balancer combo:

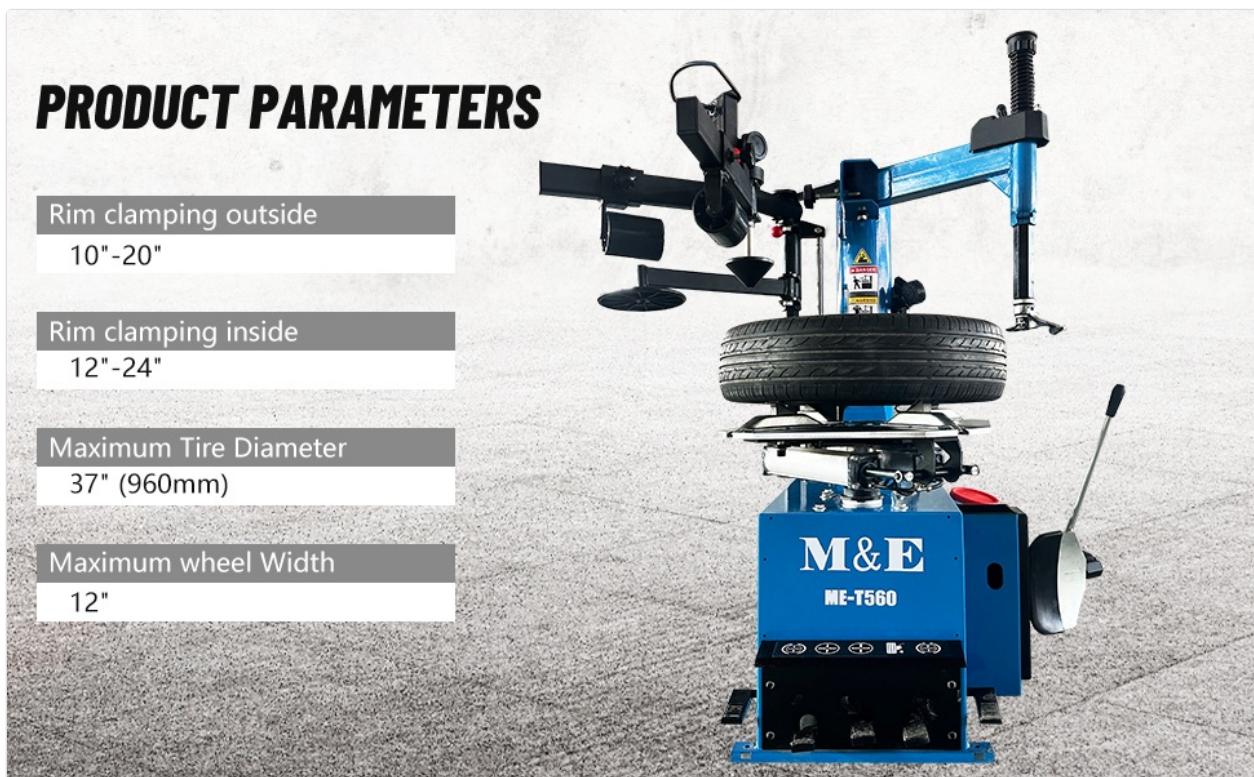


Figure 8.1: Product Parameters. This graphic details the key specifications of the KATOOL ME-T560 Tire Changer, including rim clamping ranges, maximum tire diameter, and maximum wheel width.

Feature	Specification
Model	ME-T560 (Tire Changer) + ME-B620 (Wheel Balancer)

Feature	Specification
Brand	KATOOL
Tire Changer Rim Clamping (Outside)	10" - 20"
Tire Changer Rim Clamping (Inside)	12" - 24"
Maximum Tire Diameter	37" (960mm)
Maximum Wheel Width	12"
Features	Bead Blaster, Assist Arm, Automatic Measurement Ruler, Automatic Operation (Tire Changer)
Manufacturer	KATOOL
ASIN	B0FRF31QFY

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your KATOOL ME-T560 Tire Changer and ME-B620 Wheel Balancer combo, please contact KATOOL customer service directly. Keep your purchase receipt and model number handy when contacting support.

While specific warranty details are not provided in this manual, KATOOL offers various protection plans for extended coverage. Please refer to your purchase documentation or the KATOOL website for details on available warranty and service options.