

## KATOOL ME-T500+ME-B620

# KATOOL ME-T500+ME-B620 24" Tire Changer and Wheel Balancer Combo Instruction Manual

Model: ME-T500+ME-B620

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your KATOOL ME-T500+ME-B620 24" Tire Changer and Wheel Balancer Combo. Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent injury or damage.

## 2. SAFETY INFORMATION

### General Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the equipment is placed on a level, stable surface.
- Disconnect power and air supply before performing any maintenance or adjustments.
- Keep hands and clothing clear of moving parts.
- Do not exceed the maximum tire and rim specifications.
- Ensure adequate ventilation in the work area.

## 3. SETUP

### 3.1 Unpacking and Assembly:

- Carefully unpack all components and verify against the packing list.
- Assemble the swing arm and other attachments according to the provided diagrams. Ensure all bolts are securely tightened.

### 3.2 Power and Air Connections:

- Connect the tire changer to a standard 120V/1ph power supply.
- Connect the air supply to the machine. The operating air pressure should be between 8-10 bar (116-145 PSI).
- Ensure the air filtration system is properly installed and maintained to prolong the life of pneumatic components.



Figure 1: KATOOL ME-T500 Tire Changer and ME-B620 Wheel Balancer Combo with accessories.

## 4. OPERATING THE TIRE CHANGER (ME-T500)

The ME-T500 tire changer is designed for efficient mounting and demounting of tires. It features a robust 2.0HP motor and adjustable clamps for various wheel sizes.

### 4.1 Bead Breaking:

1. Position the wheel on the side-mounted bead breaker. Ensure the tire is flush against the machine to prevent movement.
2. Actuate the foot pedal to engage the bead breaker. Apply steady pressure to separate the tire bead from the rim.
3. Repeat for both sides of the tire.

# COMPARE



**OTHER**



**OUR ME-T500**

Figure 2: Side-mounted bead breaker in operation. The foot pedal controls the bead breaker arm.

## 4.2 Demounting the Tire:

1. Place the wheel onto the turntable, ensuring it is securely clamped. The adjustable clamps accommodate 12"-24" wheels.
2. Position the mounting head (bird head) at the edge of the rim. Ensure the plastic protector is in place to prevent rim damage.
3. Use a tire lever to lift the top bead over the mounting head.
4. Rotate the turntable using the foot pedal to fully demount the top bead.
5. Repeat the process for the bottom bead.



Figure 3: Tire securely clamped on the turntable, ready for demounting or mounting. Note the adjustable clamps.





Figure 4: Close-up of the mounting head (bird head) engaging the tire bead for removal.

#### 4.3 Mounting the Tire:

1. Apply tire lubricant to both beads of the new tire and the rim edges.
2. Place the bottom bead onto the rim, ensuring it is below the mounting head.
3. Use the tire lever to guide the top bead over the mounting head while rotating the turntable.
4. Inflate the tire using the integrated inflation hose with pressure gauge. Ensure the beads seat properly. Do not inflate tires while clamped on the machine.



Figure 5: Integrated inflation hose with pressure gauge for accurate tire inflation after mounting.

#### Official Product Video: ME-T500 Details

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Video 1: Detailed overview of the KATOOL ME-T500 tire changer's features and operation.

#### Additional Operation Video: Tire Changer SBM 580

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Video 2: Operation demonstration of a similar tire changer model (SBM 580), showcasing bead breaking, demounting, and mounting procedures.

## 5. OPERATING THE WHEEL BALANCER (ME-B620)

The ME-B620 wheel balancer ensures accurate wheel balancing for smooth vehicle operation. Refer to the balancer's specific display and button functions for precise weight placement.

#### 5.1 Balancing Procedure:

1. Mount the wheel securely onto the balancer shaft.
2. Input the wheel's dimensions (diameter, width, offset) into the balancer's control panel.

3. Initiate the spin cycle. The balancer will measure imbalances and display the required weight and location.
4. Apply the correct balance weights to the indicated positions on the rim.
5. Perform a final spin to verify balance. Adjust weights as necessary until the display shows zero imbalance.



Figure 6: The ME-B620 wheel balancer's control panel with digital display for precise balancing.

#### **Additional Operation Video: XK Tire Machine 580-680 Operation**

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Video 3: Demonstration of tire changing and balancing operations on a similar XK model, providing visual guidance for the process.

## **6. MAINTENANCE**

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

- **Lubrication:** Regularly oil the moving parts, especially the swing arm and turntable clamps, to ensure smooth operation.
- **Air Filter:** Check and clean or replace the air filter regularly to maintain proper air pressure and prevent contamination of pneumatic components.
- **Cleaning:** Keep the machine clean from tire debris, lubricant residue, and dirt.
- **Inspections:** Periodically inspect all hoses, cables, and connections for wear or damage. Tighten any loose fasteners.

## **7. TROUBLESHOOTING**

**Common Issues and Solutions:**

- **Tire bead not breaking:** Ensure the tire is properly positioned against the bead breaker. Apply sufficient lubricant. Check air pressure.
- **Tire difficult to mount/demount:** Ensure adequate lubrication on beads and rim. Verify the mounting head is correctly positioned and adjusted.
- **Wheel balancer inaccuracies:** Ensure the wheel is securely mounted and all input parameters (diameter, width, offset) are correct. Calibrate the balancer periodically as per its specific instructions.
- **Machine not powering on:** Check power connection, circuit breaker, and emergency stop button.

## 8. SPECIFICATIONS

Feature	Detail
Model	ME-T500+ME-B620
Brand	KATOOL
Tire Changer Outside Clamp	12"-20"
Tire Changer Inside Clamp	14"-24"
Motor Power	2.0HP
Voltage	120V/1ph
Mounting Head	Stainless steel with plastic cover for rim protection
Pneumatic System	High quality filter for reliable oil drop and effective air filtration
Body Design	Closed body for internal component protection

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact KATOOL customer service. Retain your proof of purchase for warranty claims.

**Contact Information:** Refer to the contact details provided with your product packaging or visit the official KATOOL website.