KATOOL KT-T900+KT-B750

KATOOL KT-T900 Automatic Hydraulic Tire Changer & KT-B750 Wheel Balancer Combo Instruction Manual

1. Product Overview

This manual provides essential information for the safe and efficient operation of your KATOOL KT-T900 Automatic Hydraulic Tire Changer and KT-B750 Automatic Measurement Ruler Wheel Balancer Combo. Please read all instructions carefully before use.

Figure 1: KATOOL KT-T900 Tire Changer and KT-B750 Wheel Balancer Combo.

Key Features:

- **KT-T900 Tire Changer:** Fully hydraulic power system, built-in top assist arm, leverless design, stainless steel mounting head with plastic cover, assist wheel lift device, high-quality motor with pure copper winding.
- **KT-B750 Wheel Balancer:** Automatic measurement ruler for A and D values, robust 3mm thick steel body, all-in-one pressure sensor support design, top-level motor with pure copper winding, φ36mm shaft thread with quenching treatment, advanced welding technology computer board, various balance modes, built-in fault diagnosis and self-calibration, unit selection (Ounce/Gram, MM/Inch).

2. Setup

2.1 Unpacking and Inspection

Carefully unpack all components. Inspect for any shipping damage. Report any damage to the carrier immediately.

2.2 Assembly

While the wheel balancer requires minimal assembly, ensure all components are securely fastened. The tire changer requires assembly of its various arms and components. Refer to the included assembly diagrams for detailed steps.

2.3 Power and Air Connections

- **KT-T900 Tire Changer:** Connect to a 110V / 1PH / 60HZ power supply. Connect to an air compressor providing 0.8-1.0Mpa (116-145psi) air pressure.
- **KT-B750 Wheel Balancer:** Connect to a 120V 1PH power supply.
- Ensure all air hoses are securely connected and free of leaks. It is recommended to replace standard hose clamps with more robust alternatives if necessary to prevent leaks under pressure.

2.4 Placement and Securing

Position both machines on a level, stable surface. For optimal performance and safety, the KT-B750 Wheel Balancer should be bolted to the floor to prevent movement and ensure accurate measurements during operation.

3. Operating Instructions - KATOOL KT-T900 Tire Changer

The KT-T900 is designed for efficient and safe tire changing with its automatic hydraulic system.

Figure 2: KT-T900 Tire Changer demonstrating hydraulic arm movement.

3.1 Mounting and Demounting Tires

1. **Positioning the Wheel:** Place the wheel onto the turntable. The wheel clamp can accommodate sizes from 12" to 30".
2. **Clamping the Wheel:** Use the foot pedals to activate the rim clamps, securing the wheel firmly to the turntable.
3. **Bead Breaking:** Utilize the bead breaker arm to separate the tire beads from the rim. The hydraulic system ensures powerful and controlled operation.
4. **Mounting/Demounting Head:** Position the stainless steel mounting head (with plastic cover to protect rims) at the edge of the tire. The leverless design simplifies the process.
5. **Using the Assist Arm:** For difficult tires, such as run-flat or low-profile, engage the built-in top assist arm to help hold the tire bead in place.
6. **Rotation:** Use the foot pedal to rotate the turntable, allowing the mounting head to smoothly remove or install the tire.
7. **Inflation (Bead Blaster):** For stubborn beads, the integrated bead blaster can be used to quickly seat the tire. Ensure proper safety precautions are followed.

Video 1: KATOOL AK-T900 Tire Changer in operation.

Video 2: Demonstration of a similar tire changer's bead blaster functionality.

4. Operating Instructions - KATOOL KT-B750 Wheel Balancer

The KT-B750 provides precise wheel balancing with its automatic measurement ruler and various balancing modes.

Figure 3: KT-B750 Wheel Balancer control panel and wheel mounting.

4.1 Mounting the Wheel

1. Ensure the balancer is powered on.
2. Mount the wheel securely onto the balancer's shaft. Use appropriate cones and a quick-release nut to center and hold the wheel.

4.2 Inputting Wheel Dimensions

1. Use the automatic measurement ruler to input the 'A' (distance from machine to rim) and 'D' (rim diameter) values. The ruler will automatically detect and display these values on the control panel.
2. Manually input the 'W' (wheel width) value using the control panel buttons.
3. Select the desired balancing mode (e.g., Dynamic for clip-on weights on both sides, Static for single-plane balancing) using the control panel.

4.3 Balancing Process

1. Close the wheel guard (if equipped) and press the START button. The machine will spin the wheel to measure imbalance.
2. The display will show the required weight amounts and their positions (indicated by the laser pointer).
3. Apply the indicated weights to the inner and/or outer edges of the rim as directed.
4. Spin the wheel again to verify the balance. Repeat the process if necessary until the display shows zero or

minimal imbalance.

Video 3: Demonstration of a similar wheel balancer's operation.

5. Maintenance

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

5.1 General Cleaning

- Keep both machines clean and free of dirt, dust, and tire debris.
- Wipe down surfaces with a damp cloth. Avoid using harsh chemicals that may damage finishes or electronic components.

5.2 Lubrication

- **Tire Changer:** Periodically lubricate moving parts, such as the assist arm joints and clamping mechanisms, according to the manufacturer's recommendations.
- **Air System:** Ensure the air filter/regulator unit (if present) is regularly oiled. The instruction label on the unit advises frequent oiling to the oil cup and to release water.

5.3 Air System Inspection

- Regularly check all air hoses and connections for leaks. Replace any worn or damaged hoses and ensure clamps are secure.
- Monitor the air pressure gauge to ensure it operates within the specified range.

6. Troubleshooting

This section addresses common issues you might encounter.

6.1 Tire Changer Issues

- **Difficulty with Bead Breaking/Mounting:** Ensure proper lubrication of tire beads. Verify adequate air pressure to the machine. Utilize the assist arm for low-profile or stiff tires.
- **Air Leaks:** Inspect all pneumatic connections, especially hose clamps. Replace any damaged hoses or fittings.

6.2 Wheel Balancer Issues

- **Inaccurate Readings:** Ensure the machine is bolted securely to a level floor. Verify correct input of wheel dimensions (A, D, W). Perform the self-calibration program if readings are consistently off.
- **Machine Not Starting:** Check power connections and ensure the power switch is on.

7. Specifications

KATOOL KT-T900 Automatic Hydraulic Tire Changer

Specification	Value
Max Wheel Diameter	47" / 1200 mm
Max Wheel Width	16" / 406 mm

Wheel Clamp	12"-30"
Power Supply	110V / 1PH / 60HZ
Gear Box Motor Power	1.5KW / 2HP
Hydraulic Power	1.1KW / 1.5HP
Rotation Speed	6.8 r/min
Air Pressure	0.8-1.0Mpa (116-145psi)
Net Weight	188KG / 414 lbs

KATOOL KT-B750 Automatic Measurement Ruler Wheel Balancer

Specification	Value
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

General Product Information

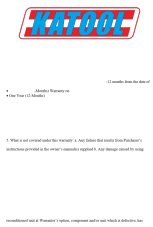
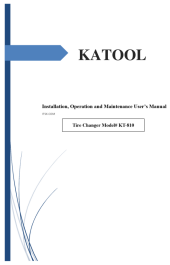
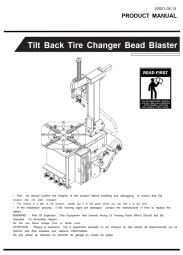
- **Manufacturer:** KATOOL
- **Model:** KT-T900+KT-B750
- **Item Weight:** 622 pounds
- **Product Dimensions:** 53 x 36 x 60 inches

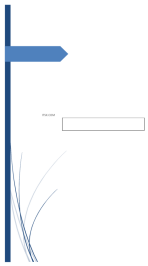
8. Warranty and Support

Your KATOOL product is supported by the manufacturer and seller.

- **Return Policy:** This product is returnable until January 31, 2026.
- **Customer Support:** For any inquiries or assistance, please contact customer support.
- **Manufacturer:** KATOOL
- **Seller:** Rainier Engineering, LTD

Related Documents - KT-T900+KT-B750

	Katool Wheel Service Equipment Warranty Information 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.
	Katool KT-B750 Wheel Balancer Operation Manual - Automotive Equipment Guide Detailed operation manual for the Katool KT-B750 Wheel Balancer. Learn about its features, technical specifications, control panel, keyboard functions, installation, calibration, troubleshooting, and error codes for professional automotive use.
	KATOOL KT-810 Tire Changer: Installation, Operation, and Maintenance Manual 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.
	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.
	Computer Wheel Balancer Operation and Maintenance Instructions Comprehensive operation and maintenance instructions for the Computer Wheel Balancer. This guide covers setup, operation, balancing modes, and troubleshooting for optimal performance and safety.

	KATOOL KT-830 Tire Changer: Installation, Operation, and Maintenance Manual Comprehensive user manual for the KATOOL KT-830 semi-automatic swing arm tire changer, covering installation, operation, maintenance, safety guidelines, and troubleshooting.