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KATOOL KT-T850

KATOOL KT-T850 Tilt Back Tire Changer Machine User Manual

Model: KT-T850 | Brand: KATOOL

Introduction

This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your KATOOL KT-T850 Tilt Back Tire Changer Machine. Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent injury or damage.

Safety Instructions

Always prioritize safety when operating heavy machinery. Failure to follow these instructions may result in serious injury or equipment damage.

- Read and understand all instructions and warnings in this manual before operation.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the machine is placed on a stable, level surface and properly secured.
- Verify electrical connections are correct (110V / 1ph) and grounded.
- Ensure adequate ventilation in the work area.
- Keep hands, feet, and loose clothing clear of moving parts.
- Do not operate the machine if any parts are damaged or missing.
- Disconnect power before performing any maintenance or adjustments.
- Only trained personnel should operate and maintain this equipment.

Product Overview

The KATOOL KT-T850 is a robust tilt-back tire changer designed for efficient tire mounting and demounting in garage and shop environments. It features a powerful 2.0HP bead blaster motor and an assist arm for heavy-duty applications.



Overall View: The KATOOL KT-T850 Tilt Back Tire Changer Machine, showcasing its red and black heavy-duty construction, ready for operation.



Tilt back



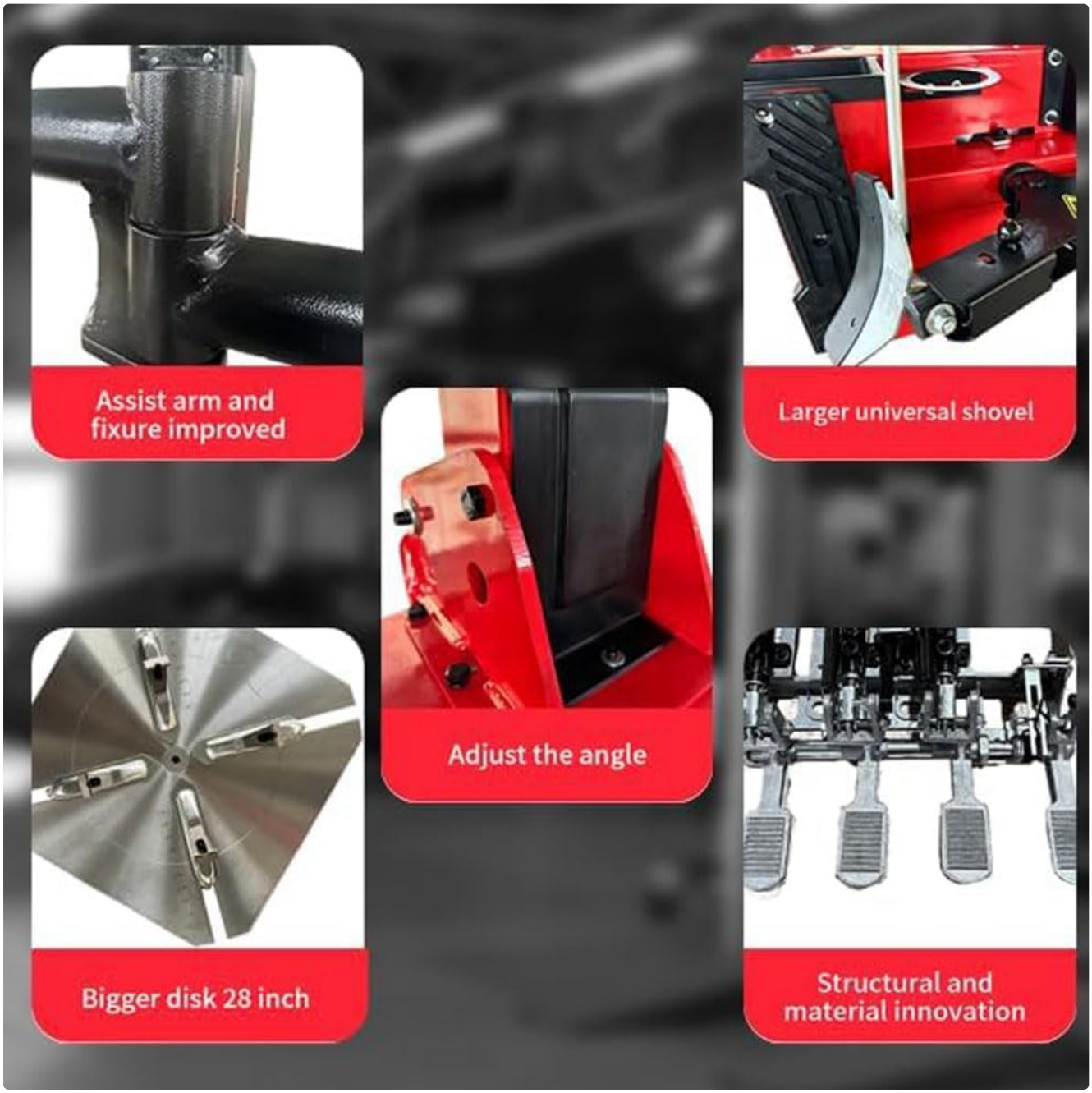
Tilt Back Feature: Illustrates the tilt-back mechanism of the machine's column, allowing for easier tire placement and removal.



Adjustable Clamps: Close-up view of the adjustable clamping jaws on the turntable, designed to securely hold various tire sizes.



Angle Adjustment & Foot Pedals: Shows the mechanism for adjusting the angle of the mounting head and the ergonomic foot pedals for control.



Key Features: Highlights the improved assist arm and fixture, larger universal shovel, angle adjustment, 28-inch bigger disk, and structural/material innovation.



Components Overview: An exploded view highlighting the main components including the turntable, assist arm, and control pedals.

Setup

Before operating your tire changer, ensure it is properly set up in a suitable environment.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Placement:** Position the machine on a flat, stable concrete floor capable of supporting its weight (approximately 863 lbs). Ensure sufficient space around the machine for safe operation and movement of tires.
3. **Assembly:** Follow the assembly instructions provided in the separate assembly guide (if applicable) to connect the main column, assist arm, and other components.
4. **Electrical Connection:** Connect the machine to a dedicated 110V / 1ph power supply. Ensure the circuit can handle the 2.0HP motor's power requirements.
5. **Air Supply Connection:** Connect a compressed air line to the machine. The recommended air pressure is 0.8-1.0 MPa (116-145 PSI). Ensure the air supply is clean and dry.
6. **Lubrication:** Apply appropriate lubricant to all moving parts as indicated in the maintenance section or separate

lubrication guide.

Operating Instructions

This section outlines the general steps for mounting and demounting tires using the KT-T850. Always refer to the safety instructions before beginning any operation.

Demounting a Tire:

1. **Deflate Tire:** Ensure the tire is completely deflated before proceeding.
2. **Bead Breaking:** Position the tire on the bead breaker arm. Use the foot pedal to activate the bead breaker, pushing the tire bead away from the rim. Repeat for both sides of the tire. The high-quality spade cover helps prevent rim damage.
3. **Mounting the Wheel:** Place the wheel onto the turntable. Use the clamping jaws to secure the wheel. The machine supports outside clamping from 14" to 26" and inside clamping from 16" to 28".
4. **Lubricate Beads:** Apply tire lubricant to both tire beads.
5. **Position Mounting Head:** Adjust the mounting head to the correct position, ensuring it clears the rim. The tilt-back design and adjustable angle make this process easier.
6. **Demounting Top Bead:** Use a tire lever to pry the top bead over the mounting head. Rotate the turntable using the foot pedal to fully demount the top bead.
7. **Demounting Bottom Bead:** Reposition the tire and use the lever to pry the bottom bead over the mounting head. Rotate the turntable to fully demount the bottom bead.
8. **Remove Tire:** Once both beads are demounted, remove the tire from the rim.

Mounting a Tire:

1. **Lubricate Beads:** Apply tire lubricant to both new tire beads.
2. **Position Bottom Bead:** Place the bottom bead of the tire onto the rim, ensuring it is below the mounting head.
3. **Mount Bottom Bead:** Use the foot pedal to rotate the turntable, guiding the bottom bead onto the rim.
4. **Position Top Bead:** Position the top bead of the tire. The assist arm can be used to help hold the bead down.
5. **Mount Top Bead:** Rotate the turntable to guide the top bead onto the rim. The all-in-one pressure sensor support design assists in this process.
6. **Inflate Tire:** Inflate the tire to the manufacturer's recommended pressure. Use the integrated air gauge for accurate measurement.

Official Product Video:

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Video Description: This video demonstrates the KATOOL KT-T850 Tilt Back Tire Changer Machine in action, showing the process of both demounting and mounting a tire. It highlights the use of the bead breaker, turntable, mounting head, and foot pedal controls for efficient tire service.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your KATOOL KT-T850.

- **Cleaning:** Keep the machine clean from tire debris, grease, and dirt. Use a damp cloth and mild detergent.
- **Lubrication:** Regularly lubricate all moving parts, including the turntable jaws, mounting head pivot points, and assist arm mechanisms, with appropriate grease or oil.

- **Air System:** Drain the air compressor tank daily to prevent moisture buildup. Check air lines for leaks and ensure proper air pressure.
- **Fasteners:** Periodically check all bolts, nuts, and fasteners for tightness. Tighten as necessary.
- **Inspections:** Inspect hoses, cables, and electrical connections for wear or damage. Replace any worn components immediately.
- **Bead Breaker Blade:** Inspect the bead breaker blade for wear or damage. Replace if it becomes dull or chipped to prevent rim damage.

Troubleshooting

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Machine does not power on.	No power supply; tripped circuit breaker; faulty wiring.	Check power cord connection; reset circuit breaker; inspect wiring for damage.
Turntable not rotating.	Motor issue; foot pedal malfunction; low air pressure.	Check motor connection; inspect foot pedal; ensure adequate air pressure.
Bead breaker not functioning.	Low air pressure; air cylinder issue; clogged air line.	Verify air pressure; check air cylinder for leaks; clear air lines.
Difficulty mounting/demounting tires.	Insufficient lubrication; incorrect mounting head adjustment; worn tools.	Apply more tire lubricant; readjust mounting head; replace worn tire levers.

Specifications

Feature	Detail
Brand	KATOOL
Model	KT-T850
Item Weight	863 pounds
Product Dimensions	44.5 x 39 x 40.2 inches
Outside Clamp Range	14" - 26"
Inside Clamp Range	16" - 28"
Motor Power	2.0HP / 1.5KW
Power Supply	110V / 1ph
Rotation Speed	6.8 R/MIN
Air Pressure	0.8-1.0MPa (116-145PSI)
Max Wheel Diameter	47" / 1200MM

Feature	Detail
Max Wheel Width	15" / 380MM

Warranty and Support

For warranty information, please refer to the documentation included with your purchase or contact KATOOL customer service directly. Additional protection plans may be available for extended coverage.
For technical support or inquiries, please visit the official KATOOL website or contact their customer service department. Keep your model number (KT-T850) and purchase details ready when seeking support.

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