Truper MEZ-150N

Truper MEZ-150N Industrial Electric Mixer User Manual

Model: MEZ-150N

Brand: Truper

For optimal performance and safety, please read this manual thoroughly before use.

1. Introduction

Thank you for choosing the Truper MEZ-150N Industrial Electric Mixer. This powerful 1500W tool is designed for efficient mixing of high-viscosity materials such as paints, mortar, cement, and adhesive paste. Featuring variable speed control and ergonomic handles, it provides precision and comfort for various mixing tasks. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your mixer.

2. Important Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

General Power Tool Safety Warnings:

- **Work Area Safety:** Keep work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Specific Mixer Safety:** Ensure the mixing paddle is securely attached before operation. Always immerse the mixing

paddle in the material before starting the mixer to prevent splashing. Hold the mixer firmly with both hands during operation.

3. Product Overview and Components

Familiarize yourself with the parts of your Truper MEZ-150N Industrial Electric Mixer:



Image 3.1: Labeled components of the Truper MEZ-150N mixer. This diagram shows the double D-type handle with anti-slip grip, continuous use button switch, variable speed control, mechanical speed selector, heavy-duty cable, and the 5.5" (14 cm) mixing paddle.

- **Double D-type Handle with Anti-slip Grip:** Provides ergonomic control and comfort during operation.
- **Switch with Continuous Use Button:** Allows for sustained operation without holding the trigger.
- **Variable Speed Control:** Adjusts the mixing speed for different material viscosities.
- **Mechanical Speed Selector:** Offers different gear settings for optimal torque and speed ranges.
- **Heavy-Duty Cable:** Durable power cable designed for industrial use.
- **Mixing Paddle (5.5" / 14 cm):** The attachment used for mixing materials. Features an M14 socket for secure attachment.

- **Aluminum Double Gear Case:** Durable housing for the internal gears, ensuring longevity.

4. Setup and Assembly

Before operating your mixer, ensure it is properly assembled and connected.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage. Refer to the packaging for included components.
2. **Attaching the Mixing Paddle:**
    - Ensure the mixer is unplugged from the power source.
    - Align the M14 threaded shaft of the mixing paddle with the M14 socket on the mixer.
    - Screw the paddle clockwise until it is securely tightened. Use a wrench if necessary to ensure a firm connection, but do not overtighten.
3. **Power Connection:** Connect the heavy-duty cable to a suitable 127 V / 60 Hz power outlet. Ensure the outlet is grounded.





Image 4.1: The Truper MEZ-150N Industrial Electric Mixer fully assembled with its mixing paddle, ready for use.

5. Operating Instructions

Follow these steps for safe and effective operation of your mixer.

1. **Material Preparation:** Place the material to be mixed in a sturdy container of appropriate size. The mixer is designed for a mixing volume of up to 120 L.
2. **Immersion:** Before starting the mixer, fully immerse the mixing paddle into the material. This prevents splashing and ensures a smooth start.
3. **Starting the Mixer:**
    - Press the main power switch to start the mixer.
    - For continuous operation, press the continuous use button while the mixer is running.
4. **Adjusting Speed:**
    - **Mechanical Speed Selector:** Use this selector to choose between the two mechanical speed ranges (0 - 540 rpm or 0 - 830 rpm). Adjust this setting before starting or while the mixer is running at a low speed.
    - **Variable Speed Control:** Use the variable speed dial or trigger to fine-tune the mixing speed within the selected mechanical range. Start at a lower speed and gradually increase to avoid splashing and ensure thorough mixing.
5. **Mixing Technique:** Move the mixer slowly through the material, ensuring all parts are thoroughly mixed. Avoid hitting the sides or bottom of the container forcefully.

6. **Stopping the Mixer:** Release the power switch. If the continuous use button was engaged, press the main power switch again to disengage it. Lift the mixer out of the material only after the paddle has stopped rotating.

Important: Observe the duty cycle of 50 minutes work per 20 minutes rest, with a daily maximum of 6 hours, to prevent overheating and extend the life of the tool.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your Truper MEZ-150N mixer.

- **Cleaning:** After each use, unplug the mixer and clean the mixing paddle and the lower part of the mixer housing. Remove any residual material before it dries. Use a brush and water for water-based materials, or appropriate solvents for other materials. Do not immerse the motor housing in water.
- **Inspection:** Regularly inspect the power cord for cuts, fraying, or damage. Check the mixing paddle for bends or excessive wear. Ensure all screws and fasteners are tight.
- **Carbon Brushes:** The mixer features an LED indicator for carbon brush replacement. When the indicator illuminates, it's time to replace the carbon brushes. This should be done by a qualified service technician.
- **Storage:** Store the mixer in a clean, dry place, out of reach of children. Disconnect the mixing paddle for compact storage if desired.

7. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Mixer does not start.	No power supply; damaged cord/plug; faulty switch.	Check power outlet and connection. Inspect cord for damage. If issues persist, contact service.
Reduced power or inconsistent speed.	Overload; worn carbon brushes; material too thick.	Reduce load. Check carbon brush indicator. Use appropriate speed setting for material.
Excessive vibration or noise.	Loose mixing paddle; bent paddle; internal damage.	Ensure paddle is securely tightened. Inspect paddle for damage. If internal damage is suspected, seek professional service.
Overheating.	Exceeding duty cycle; blocked ventilation.	Adhere to the recommended duty cycle (50 min work / 20 min rest). Ensure ventilation slots are clear.

For problems not listed here or if solutions do not resolve the issue, please contact Truper customer support or an authorized service center.

8. Technical Specifications

Detailed specifications for the Truper MEZ-150N Industrial Electric Mixer:

- **Model:** MEZ-150N
- **Power:** 1500 W
- **Consumption:** 11.5 A
- **Voltage** / **Frequency:** 127 V / 60 Hz
- **Mixing Volume:** Up to 120 L
- **Socket Type:** M14

- **Variable Speed:** 0 - 540 rpm / 0 - 830 rpm
- **Maximum Torque:** 110 Nm
- **Duty Cycle:** 50 minutes work per 20 minutes rest. Daily maximum 6 hours.
- **Weight:** 6.8 kg (16.9 pounds)
- **Package Dimensions:** 15.28 x 15.12 x 8.35 inches
- **Features:** Aluminum Double Gear Case, Ergonomic bi-material handles, LED indicator for carbon brush change.



Image 8.1: Packaging for the Truper MEZ-150N Industrial Electric Mixer, highlighting key features and specifications.

9. Warranty and Customer Support

Truper products are manufactured to high-quality standards and are guaranteed against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Truper website.

For technical assistance, spare parts, or service inquiries, please contact Truper customer support:

- **Website:** www.truper.com (*Note: This is a placeholder URL, please refer to your product documentation for the correct support contact information.*)
- **Service Centers:** A list of authorized service centers can be found on the Truper website.

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