

Zipper ZI-GRM1100

Zipper ZI-GRM1100 Rotary Poultry Plucker Instruction Manual

Model: ZI-GRM1100

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your Zipper ZI-GRM1100 Rotary Poultry Plucker. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The Zipper ZI-GRM1100 is designed for rapid and efficient feather removal from poultry. It features a powerful motor, durable stainless steel construction, and 110 interchangeable rubber fingers for effective plucking. This machine significantly reduces the time and effort required for poultry processing compared to manual methods. It can pluck up to two birds simultaneously in approximately 15 seconds, after proper scalding at around 55°C. The integrated water inlet allows for continuous rinsing, and its transport wheels ensure easy mobility. The asynchronous motor is powerful, silent, and maintenance-free.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or damage to the equipment.

2.1 General Safety

- Always read and understand the entire instruction manual before operating the machine.
- Keep children and unauthorized personnel away from the machine during operation.
- Operate the machine on a stable, level, and non-slip surface to prevent tipping.
- Ensure adequate lighting in the work area.
- Do not operate the machine if any parts are damaged or missing.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.

2.2 Electrical Safety

- Connect the machine only to a properly grounded electrical outlet with the correct voltage (230 V, 50 Hz).
- Never operate the machine in wet conditions or with wet hands.
- Ensure the power cord is not damaged, pinched, or exposed to sharp edges or heat.
- Always disconnect the power supply before performing any maintenance, cleaning, or when the machine is not in use.
- Do not use extension cords unless absolutely necessary, and ensure they are rated for the machine's power requirements and are properly grounded.

2.3 Operational Safety

- Keep hands, hair, loose clothing, and jewelry away from all moving parts, especially the plucking fingers, during operation.
- Ensure poultry is properly scalded at approximately 55°C before plucking to achieve optimal results and prevent skin damage.
- Do not overload the machine; it is designed to pluck up to two birds simultaneously.
- Use the water inlet connection to continuously rinse feathers and debris during operation, keeping both hands free for handling poultry.
- Never attempt to clear jams or remove poultry while the machine is running. Always turn off and unplug the machine first.

3. PRODUCT OVERVIEW

The Zipper ZI-GRM1100 Rotary Poultry Plucker is a robust and efficient tool for poultry processing. Key components and features include:

- **Stainless Steel Drum:** Durable and hygienic, meeting food quality standards.
- **110 Interchangeable Rubber Fingers:** Designed for effective and gentle feather removal.
- **Powerful Asynchronous Motor:** 1100 W, 230 V, 50 Hz, providing 300 rpm rotation speed. Silent and maintenance-free.
- **Integrated Water Inlet:** Allows for continuous rinsing during operation, improving efficiency and cleanliness.
- **Transport Wheels:** Two wheels for easy maneuverability and transport.
- **Sturdy Frame:** Provides stability during operation.



Figure 3.1: Overall view of the Zipper ZI-GRM1100 Rotary Poultry Plucker. This image shows the stainless steel drum, the motor housing, the support frame, and the transport wheels, providing a complete perspective of the machine's design.



Figure 3.2: Close-up view of the water inlet connection. This brass fitting allows for a hose to be attached, providing a continuous water supply to rinse feathers during the plucking process, enhancing efficiency and hygiene.



Figure 3.3: Top-down view of the plucking drum interior, showing the arrangement of the 110 interchangeable rubber fingers. These fingers are crucial for gently yet effectively removing feathers from poultry.

4. SETUP

4.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect the machine for any signs of shipping damage. If damage is found, do not operate the machine and contact your supplier immediately.
- Ensure all listed components are present.

4.2 Assembly (if required)

The Zipper ZI-GRM1100 typically requires minimal assembly, primarily attaching the support legs and wheels. Follow these general steps:

1. Attach the support legs to the main body of the plucker using the provided hardware. Ensure all bolts are securely

tightened.

2. Mount the transport wheels onto the designated axles on the support frame.
3. Verify that the machine is stable and all connections are secure before proceeding.

4.3 Placement and Connections

- Place the plucker on a firm, level surface in an area with good drainage, as water will be used during operation.
- Ensure the location is near a suitable electrical outlet (230 V, 50 Hz) and a water source.
- Connect a standard garden hose to the water inlet connection on the side of the drum. Ensure the connection is tight to prevent leaks.
- Plug the power cord into a grounded electrical outlet.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective poultry plucking:

1. **Poultry Preparation:** Ensure the poultry has been properly scalded. The recommended water temperature for scalding is approximately 55°C (130°F). Proper scalding loosens the feathers, making them easier to remove.
2. **Load Poultry:** With the machine turned OFF and UNPLUGGED, carefully place up to two scalded birds into the plucking drum.
3. **Start Water Flow:** Turn on the water supply to the plucker. A continuous flow of water helps to rinse away feathers and debris during operation.
4. **Start the Machine:** Plug in the machine and turn on the power switch. The drum will begin to rotate, and the rubber fingers will start plucking the feathers.
5. **Plucking Process:** The plucking process is typically very fast, often completed within 15 seconds for properly scalded birds. Observe the poultry to determine when most feathers have been removed.
6. **Stop the Machine:** Once plucking is complete, turn off the power switch and unplug the machine. Turn off the water supply.
7. **Remove Poultry:** Carefully remove the plucked poultry from the drum.
8. **Inspect and Finish:** Inspect the poultry for any remaining feathers and remove them manually if necessary.

***Note:** Over-plucking can damage the skin. Monitor the process closely to achieve optimal results.*

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Zipper ZI-GRM1100 plucker.

6.1 Cleaning

- **After Each Use:** Immediately after each plucking session, disconnect the power and thoroughly rinse the inside and outside of the drum with water to remove all feathers and debris. The stainless steel drum is designed for easy cleaning.
- Use a brush if necessary to dislodge stubborn debris from around the rubber fingers.
- Ensure all water drains completely from the machine to prevent stagnation and bacterial growth.
- Wipe down the exterior surfaces with a damp cloth.

6.2 Inspection

- **Rubber Fingers:** Periodically inspect the rubber plucking fingers for signs of wear, cracking, or damage. Worn fingers can reduce plucking efficiency. Replace any damaged fingers promptly.
- **Electrical Cord:** Check the power cord for any cuts, fraying, or damage. Do not use the machine if the cord is compromised.
- **Motor:** The asynchronous motor is designed to be maintenance-free. Do not attempt to open or service the motor yourself.

6.3 Storage

- Store the plucker in a clean, dry place, protected from extreme temperatures and direct sunlight.
- Ensure the machine is completely dry before storing to prevent corrosion.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Zipper ZI-GRM1100 plucker.

Problem	Possible Cause	Solution
Machine does not start.	◦ Power cord not plugged in. ◦ No power from outlet. ◦ Power switch is off. ◦ Internal electrical fault.	◦ Ensure power cord is securely plugged into a grounded outlet. ◦ Check the circuit breaker or try a different outlet. ◦ Turn the power switch to the 'ON' position. ◦ If issues persist, contact qualified service personnel.
Poor plucking performance / Feathers not removed effectively.	◦ Poultry not properly scalded. ◦ Worn or damaged rubber fingers. ◦ Overloading the machine.	◦ Ensure scalding water is at the correct temperature (approx. 55°C) and poultry is immersed for the appropriate duration. ◦ Inspect and replace any worn or damaged rubber fingers. ◦ Reduce the number of birds being plucked simultaneously.
Excessive vibration or unusual noise.	◦ Machine not on a level surface. ◦ Loose components. ◦ Motor issue.	◦ Relocate the machine to a stable, level surface. ◦ Check and tighten all bolts and fasteners. ◦ If the noise or vibration persists and seems to originate from the motor, discontinue use and contact qualified service personnel.

For problems not listed here or if solutions do not resolve the issue, please contact your dealer or a qualified service technician.

8. SPECIFICATIONS

Feature	Specification
Model	ZI-GRM1100
Brand	Zipper
Power	1100 W
Voltage / Frequency	230 V / 50 Hz
Rotation Speed	300 rpm
Number of Plucking Fingers	110

Feature	Specification
Net Weight	43 kg
Gross Weight	48 kg
Dimensions (L x W x H)	78 x 68 x 91.5 cm
Drum Material	Stainless Steel

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Zipper ZI-GRM1100 Rotary Poultry Plucker comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. Please note that the warranty **does not cover wear parts**, such as the rubber plucking fingers, which are subject to normal wear and tear during operation. To make a warranty claim, please retain your proof of purchase and contact your retailer or the authorized Zipper service center.

9.2 Customer Support

For technical assistance, spare parts, or further inquiries, please contact your authorized Zipper dealer or visit the official Zipper website for support resources.

When contacting support, please have your model number (ZI-GRM1100) and purchase date available.

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Related Documents - ZI-GRM1100

	ZIPPER ZI-GRM400, ZI-GRM1100, ZI-GRM1650 Chicken Plucker User Manual and Safety Guide Comprehensive user manual and safety guide for ZIPPER chicken pluckers models ZI-GRM400, ZI-GRM1100, and ZI-GRM1650, covering assembly, operation, maintenance, and troubleshooting.
	ZIPPER Silent Air Compressors ZI-COM24SI, ZI-COM50SI, ZI-COM90SI User Manual User manual for ZIPPER silent air compressors, models ZI-COM24SI, ZI-COM50SI, and ZI-COM90SI. Includes technical specifications, components, safety instructions, assembly, operation, maintenance, troubleshooting, and spare parts.
	ZIPPER Rüttelplatten ZI-RPE60C & ZI-RPE90C Bedienungsanleitung Diese Betriebsanleitung enthält wichtige Informationen zur sicheren Inbetriebnahme, Handhabung, Wartung und zum Betrieb der ZIPPER Rüttelplatten ZI-RPE60C und ZI-RPE90C.

	ZIPPER 40V Charger and Battery User Manual Comprehensive user manual for ZIPPER's 40V battery charger (ZI-LGR40V-AKKU) and 40V batteries (ZI-BTR40V-AKKU, ZI-BTR40V2AH-AKKU), covering safety, operation, maintenance, and specifications.
	ZIPPER High Pressure Cleaner ZI-HDR165 & ZI-HDR195 User Manual Comprehensive user manual for ZIPPER high pressure cleaners, models ZI-HDR165 and ZI-HDR195. Includes safety instructions, technical specifications, operation guidelines, maintenance, troubleshooting, and spare parts information.
	Cybex Sirona Zi Child Car Seat User Guide Comprehensive user guide for the Cybex Sirona Zi child car seat, covering installation, usage, safety features, and maintenance. Learn how to properly secure your child and ensure optimal protection.

Documents - Zipper – ZI-GRM1100



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[ZIPPER ZI-GRM400, ZI-GRM1100, ZI-GRM1650 Chicken Plucker User Manual and Safety Guide](#)

Comprehensive user manual and safety guide for ZIPPER chicken pluckers models ZI-GRM400, ZI-GRM1100, and ZI-GRM1650, covering assembly, operation, maintenance, and troubleshooting. lang:en score:39 filesize: 1.41 M page_count: 11 document date: 2024-09-02



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