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GZ GUOZHI MIG-125G

GZ GUOZHI MIG-125G Semi-Automatic 100V Flux Core Welder Instruction Manual

Model: MIG-125G | Brand: GZ GUOZHI

1. Introduction

The GZ GUOZHI MIG-125G is a versatile 100V semi-automatic flux core welder designed for both beginners and experienced users. It offers stable arc performance, minimal spatter, and a smooth finish, making it suitable for various materials including soft steel, carbon steel, and iron. This manual provides essential information for safe and effective operation.



Image: GZ GUOZHI MIG-125G welder in operation, demonstrating a clean weld bead. This machine is suitable for first-time welders.

2. Safety Information

Always prioritize safety when operating welding equipment. Wear appropriate personal protective equipment (PPE) including a welding helmet, gloves, and protective clothing. Ensure proper ventilation in your work area. Before each use, inspect the equipment for any damage or abnormalities. Do not operate the welder if any components are damaged.

For MIG welding, always press the torch trigger first, then bring the torch to the welding point on the workpiece. If

the torch trigger is not pressed when touching the workpiece, no spark will be generated.

3. Product Components

The GZ GUOZHI MIG-125G welder comes with the following accessories:

- Torch Cord
- Earth Clamp
- Welding Wire (Flux Cored)
- Contact Tips
- User Manual (Japanese)



Image: The GZ GUOZHI MIG-125G welder and its included accessories, such as the torch cord, earth clamp, welding wire, and contact tips.

4. Setup

4.1. Wire Spool Installation

1. Open the wire compartment cover.
2. Remove the fixing spring and washer from the center pin.
3. Place the wire spool onto the center pin, ensuring the wire feeds from the bottom of the spool towards the guide tube.
4. Reattach the washer and fixing spring to secure the wire spool.
5. Release the pressure roller by turning the knob counter-clockwise and flipping it forward.
6. Cut off any bent or damaged wire from the end using pliers.
7. Feed the wire through the guide tube and into the groove of the drive roller.
8. Close the pressure roller and tighten the knob clockwise to secure the wire.
9. Ensure the correct groove (0.8mm or 1.0mm) on the drive roller is facing outwards, matching your wire diameter.



Image: Quick connector for welding cables, showing how to connect in 1 second.

4.2. Connecting Welding Cables

1. Ensure the welder is powered off and unplugged from the main power supply.
2. Connect the torch cord to the designated port on the welder and twist clockwise to secure.
3. Connect the earth clamp cable to the appropriate port on the welder and twist clockwise to secure.
4. Attach the earth clamp to the workpiece.

4.3. Power Connection

Connect the welder's power cord to a suitable 100V power outlet. Turn on the main power switch located on the back of the unit.

Your browser does not support the video tag.

Video: This video demonstrates the wire spool installation and initial setup of a similar semi-automatic welder, including connecting the torch and earth clamp.

5. Operating Instructions

5.1. Power Adjustment

The GZ GUOZHI MIG-125G features inverter control, allowing for smooth welding with minimal spatter. The power output can be adjusted using a single dial, which automatically optimizes voltage for the selected current. This simplifies operation, especially for beginners.



Image: The power adjustment dial on the GZ GUOZHI MIG-125G welder, indicating that power is adjustable with a single control.

5.2. Welding Technique

For optimal welding results, maintain a consistent distance between the torch tip and the workpiece. Move the torch in a steady, controlled motion, often in a circular or zigzag pattern, to create a clean and strong weld bead. The hot start function ensures quick arc ignition, making it easier for novice welders to begin.

Your browser does not support the video tag.

Video: This video demonstrates the wire feeding and welding process using a similar Harukiku MIG135 flux core welder, showing the ease of operation and weld quality.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your welder. After welding, remove any flux residue (slag) from the weld bead using a chipping hammer or wire brush. Keep the torch and earth clamp connections clean and free from debris. Store the welder in a dry, clean environment when not in use.

7. Specifications

Attribute	Value
Brand	GZ GUOZHI
Model Number	MIG-125G
Product Dimensions	27 x 14 x 16 cm
Item Weight	3.9 kg
Power Source	100V
Rated Duty Cycle	60%
Included Components	Electrode holder, Torch cord



Image: Detailed product specifications for the GZ GUOZHI MIG-125G welder.

8. Warranty and Support

This welding machine comes with a 2-year warranty from the date of purchase. If you have any questions about the product or encounter any issues, please do not hesitate to contact our company. A Japanese instruction manual is included for your convenience.

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