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› AZZUNO MIG-200PRO 8-in-1 Multiprocess Welder Instruction Manual

## AZZUNO MIG-200PRO

# AZZUNO MIG-200PRO 8-in-1 Multiprocess Welder Instruction Manual

Model: MIG-200PRO

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective operation of your AZZUNO MIG-200PRO 8-in-1 Multiprocess Welder. This versatile machine supports a wide range of welding processes, including Flux Core MIG, Gas MIG, MAG, Aluminum MIG, Spot MIG, Lift TIG, Stick Welding, and Spool Gun compatibility. Please read this manual thoroughly before operating the equipment and retain it for future reference.



Image 1.1: The AZZUNO MIG-200PRO Multiprocess Welder, showcasing its compact design and the included ER5356 aluminum MIG welding wire spool.

## 2. SAFETY INSTRUCTIONS

**WARNING: Welding can be dangerous. Always follow safety precautions to prevent injury or death.**

- **Electric Shock:** Can kill. Do not touch live electrical parts. Wear dry welding gloves and protective clothing. Ensure the workpiece is properly grounded.
- **Fumes and Gases:** Can be hazardous to your health. Keep your head out of the fumes. Use enough ventilation and/or exhaust at the arc to keep fumes and gases away from the breathing zone and general area.
- **Arc Rays:** Can injure eyes and burn skin. Wear a welding helmet with a proper shade filter to protect your eyes and face. Wear appropriate protective clothing to protect your skin.
- **Fire and Explosion:** Welding can cause fire or explosion. Keep flammable materials away from the welding area. Have a fire extinguisher readily available.
- **Hot Parts:** Can cause severe burns. Allow equipment to cool before touching.
- **Noise:** Excessive noise can damage hearing. Wear ear protection.
- Always ensure the machine is properly maintained and inspected before use.

### 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.



Image 3.1: All components included with the AZZUNO MIG-200PRO Welder, laid out for inspection.

- AZZUNO MIG-200PRO Welder Machine (x1)
- .035"/1-lb AlMg5356 Wire (x1)
- 15AK MIG Torch (x1)
- Ground Clamp (x1)
- Electrode Holder (x1)
- 110V~220V Adapter (x1)
- Brush & Hammer (x1)
- Gas Hose (x1)
- Hose Band (x2)
- Drive Roller (x2)
- Contact Tip (x4)
- Teflon Liner (x1)

- User Manual (x1)

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel Controls and Indicators



Image 4.1: The user-friendly control panel of the MIG-200PRO, highlighting key buttons and displays.

1. **Welding Modes:** Select the desired welding process (MMA, LIFT TIG, FLUX, CO<sub>2</sub>, MIX, AIMg5356).
2. **Wire Diameter / SYN Mode:** Adjust wire diameter settings or activate synergistic mode.
3. **2T/4T/SPOT Modes:** Toggle between 2-stroke, 4-stroke, or spot welding trigger modes.
4. **Stick Welding Mode:** Dedicated setting for Stick (MMA) welding.
5. **Amp & Speed Switch:** Adjust welding current (Amps) and wire feed speed.
6. **Fast Wire Feeding:** Button for quick wire feeding without striking an arc.

### 4.2 Rear Panel Connections

The rear panel typically includes the power input, gas inlet, and cooling fan. Ensure all connections are secure before operation.

## 5. SETUP

### 5.1 Power Connection

- The welder supports both 110V and 220V input voltages. Use the provided adapter if necessary.
- Connect the power cord to a suitable grounded electrical outlet.
- Ensure the power source meets the welder's requirements to prevent damage or poor performance.

### 5.2 Wire Installation



Image 5.1: The wire feeding system of the MIG-200PRO, designed for compatibility with 1lb to 10lb wire spools.

1. Open the wire compartment door.
2. Place the wire spool onto the spindle, ensuring it rotates freely. The welder supports 1lb to 10lb wire spools.
3. Thread the wire through the drive roller mechanism. Ensure the correct drive roller groove matches your wire diameter.
4. Close the drive roller tension arm. Adjust tension as needed; too much tension can deform the wire, too little can cause slippage.

5. Feed the wire through the MIG torch liner. Use the "Fast Wire Feeding" button to advance the wire until it exits the contact tip.

### 5.3 Gas Connection (for Gas MIG/MAG)

- Connect the gas hose to the gas inlet on the rear of the welder and to your gas cylinder regulator.
- Ensure all connections are tight to prevent gas leaks.
- Open the gas cylinder valve and set the desired flow rate on the regulator.

### 5.4 Torch and Clamp Connection

- Connect the MIG torch to the Euro connector on the front panel.
- Connect the ground clamp to the appropriate terminal and secure it to the workpiece.
- For Stick welding, connect the electrode holder and ground clamp to their respective terminals.

## 6. OPERATING MODES

The AZZUNO MIG-200PRO offers 8 distinct welding processes. Select the appropriate mode using the front panel controls.

## 8-IN-1 MULTIPROCESS WELDER

Welding Process	Wire Type	Wire Diameter
GASLESS MIG	FLUX	0.023"
	FLUX	0.030"
	FLUX	0.035"
	FLUX	0.040"
GAS MAG (CO <sub>2</sub> )	SOLID	0.023"
	SOLID	0.030"
	SOLID	0.035"
	SOLID	0.040"
GAS MAG (MIX)	SOLID	0.023"
	SOLID	0.030"
	SOLID	0.035"
	SOLID	0.040"
ALUMINUM MIG	ALMG5356	0.035"
	ALMG5356	0.040"
SPOOL GUN	-	-
SPOT MIG	-	-
MMA	-	-
LIFT TIG	-	-

Image 6.1: Overview of the 8-in-1 multiprocess capabilities, including Gasless MIG, Gas MAG (CO<sub>2</sub>/MIX), Aluminum MIG, Spool Gun, MMA, and Lift TIG.

## 6.1 Flux Core MIG (Gasless MIG)

- Uses self-shielding flux-cored wire, eliminating the need for external shielding gas.
- Ideal for outdoor welding or on dirty/rusty materials.
- Supported wire diameters: .023", .030", .035", .040".

## 6.2 Gas MIG (GMAW)

- Uses solid wire with external shielding gas (e.g., Argon/CO<sub>2</sub> mix for steel).
- Provides cleaner welds with less spatter.
- Supported wire diameters: .023", .030", .035", .040".

## 6.3 MAG (Gas Metal Arc Welding with Active Gas)

- Similar to Gas MIG but typically uses CO<sub>2</sub> or Argon/CO<sub>2</sub> mix for welding steel.
- Offers good penetration and speed.
- Supported wire diameters: .023", .030", .035", .040".

## 6.4 Aluminum MIG

The MIG-200PRO offers two methods for aluminum welding:

- **Method 1 (Included Teflon Liner):** Replace the existing liner in the MIG torch with the provided Teflon liner. This reduces friction for aluminum wire feeding.
- **Method 2 (Optional Spool Gun):** For more advanced aluminum welding tasks, a spool gun (sold separately) can be connected to the dedicated spool gun port.



Image 6.2: The MIG-200PRO demonstrating compatibility with an external spool gun (sold separately) for enhanced aluminum welding.

Supported aluminum wire diameters: .035", .040".

### 6.5 Spot MIG

- Allows for timed spot welds, useful for joining overlapping sheets of metal.
- Set the desired spot welding time on the control panel.

### 6.6 Lift TIG

- A DC Lift TIG process for precise welding of various metals (excluding aluminum).
- Requires a separate TIG torch (WP-17V-35 recommended, not included).
- Initiate the arc by touching the tungsten electrode to the workpiece and lifting slightly.

### 6.7 Stick Welding (MMA)

- Uses coated electrodes (E6013 compatible) for manual metal arc welding.
- Suitable for welding thicker materials and in outdoor conditions.

## 6.8 Spool Gun Compatibility

- The welder is compatible with spool guns (LBT150 recommended, not included) for improved aluminum wire feeding and extended reach.
- Connect the spool gun to the dedicated port on the front panel.

## 7. WELDING WIRE OPTIONS

The MIG-200PRO supports a variety of welding wire types and sizes to accommodate different applications.

- **Wire Spool Sizes:** Supports 1 lb to 10 lb wire spools.
- **Solid Wire:** .023"/.030"/.035"/.040"
- **Flux Core Wire:** .023"/.030"/.035"/.040"
- **Aluminum Wire:** .035"/.040" (ER5356 Magnesium Aluminum alloy wire is included).
- **Stick Electrodes:** Compatible with E6013 electrodes.



Image 7.1: Specifications of the included 1lb, 0.035" ER5356 Magnesium Aluminum MIG wire.

## 8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your welding machine.

- **Cleaning:** Regularly clean dust and debris from the machine's vents and internal components using compressed air. Ensure the machine is unplugged before cleaning.
- **Torch Inspection:** Inspect the MIG torch for wear and tear on the nozzle, contact tip, and liner. Replace worn parts as needed.
- **Cable Inspection:** Check all welding cables (torch, ground, electrode holder) for cuts, cracks, or loose connections.
- **Wire Feeder:** Keep the wire feeder mechanism clean and free of debris. Ensure drive rollers are clean and correctly tensioned.
- **Storage:** Store the welder in a clean, dry environment when not in use.

## 9. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
No power to the machine	Power cord unplugged, circuit breaker tripped, faulty power switch.	Check power connections, reset circuit breaker, contact service if switch is faulty.
No arc / Weak arc	Poor ground connection, incorrect welding parameters, worn contact tip, wrong polarity.	Ensure ground clamp is secure, adjust amperage/voltage, replace contact tip, verify polarity setting.
Wire feeding issues (stuttering, birdnesting)	Incorrect drive roller tension, wrong drive roller groove, clogged liner, bent wire.	Adjust drive roller tension, ensure correct groove, clean/replace liner, check wire spool for damage.
Excessive spatter	Incorrect voltage/wire speed, insufficient shielding gas, dirty workpiece.	Adjust welding parameters, check gas flow, clean workpiece thoroughly.

## 10. SPECIFICATIONS

Feature	Detail
Model	MIG-200PRO
Input Voltage	110V/220V (Dual Voltage)
Max Output Current	200A
Welding Processes	Flux Core MIG, Gas MIG, MAG, Aluminum MIG, Spot MIG, Lift TIG, Stick Welding, Spool Gun Compatible
Supported Wire Spool Sizes	1 lb to 10 lbs

Feature	Detail
Supported Wire Diameters	Solid Wire: .023"/.030"/.035"/.040" Flux Core Wire: .023"/.030"/.035"/.040" Aluminum Wire: .035"/.040"
ASIN	B0DT6SHT2M
Date First Available	January 16, 2025

## 11. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the warranty card included with your product or visit the official AZZUNO website. Keep your purchase receipt as proof of purchase.

**AZZUNO Customer Support:** [Visit the AZZUNO Store on Amazon](#)