

ANDELI MIG-270PLUS

ANDELI MIG-270PLUS 4-in-1 Dual Voltage 200A Multi-Process Welder Instruction Manual

1. INTRODUCTION

Thank you for choosing the ANDELI MIG-270PLUS 4-in-1 Dual Voltage 200A Multi-Process Welder. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new welding machine. Please read this manual thoroughly before use and keep it for future reference.

This 110V/220V Dual Voltage 200A MIG Welder supports Gas MIG, Gasless MIG, Stick, and Lift TIG welding. It is compact, small, and portable, offering convenience and versatility.

2. SAFETY INFORMATION

Welding can be dangerous. Always follow safety precautions to prevent injury or damage. Wear appropriate personal protective equipment (PPE) including a welding helmet, gloves, and protective clothing. Ensure proper ventilation in your work area. Disconnect power before performing any maintenance or adjustments.

3. PRODUCT OVERVIEW

The ANDELI MIG-270PLUS is a versatile multi-process welding machine designed for various applications. It features advanced IGBT inverter technology for stable performance and a high duty cycle.



Figure 3.1: ANDELI MIG-270PLUS Multi-Process Welder with LCD high-definition display, showcasing MIG, Lift TIG, MMA/AL Welding, and Spool Welding capabilities.

MULTIFUNCTION MIG WELDING MACHINE

LCD HIGH DEFINITION DISPLAY

MIG / LIFT TIG / MMA/AL WELDING / SPOOL WELDING



Figure 3.2: The ANDELI MIG-270PLUS Welder demonstrating compatibility with a spool gun for enhanced convenience in welding.



Figure 3.3: Illustration of the 5-in-1 multi-process synergetic welding capabilities of the ANDELI MIG-270PLUS, including MIG, AL MIG, Lift TIG, Spool Gun, and Stick welding modes.

4. SPECIFICATIONS

The following table details the technical specifications of the ANDELI MIG-270PLUS welder:



Figure 4.1: Technical parameters for the MIG-270PLUS model, including input voltage, power, current, no-load voltage, output current, output voltage, rated duty cycle, efficiency, insulation class, protection class, weight, and dimensions.

Table 4.1: General Specifications

Specification	Value
Manufacturer	ANDELI
Item Model Number	220V MIG-270PLUS
Power Source Type	AC
Item Weight	1.16 Kilograms
Package Dimensions	55.2 x 46 x 8.6 cm
Batteries Required	No
ASIN	B0DHMWQTZV

Specification	Value
Available on Amazon.it from	September 21, 2024

5. SETUP

5.1 Unpacking

Carefully remove the welder and all accessories from the packaging. Inspect for any damage during transit. Retain the packaging for future storage or transport.

5.2 Power Connection

The ANDELI MIG-270PLUS is a dual-voltage machine (110V/220V). Ensure the correct power cable is used and connected to a suitable power outlet with appropriate circuit protection. Verify the voltage setting on the machine matches your power supply.

5.3 Connecting Welding Accessories

Connect the ground clamp, electrode holder, or MIG/TIG torch according to the specific welding process you intend to use. Ensure all connections are secure.

6. OPERATING MODES

The ANDELI MIG-270PLUS supports multiple welding processes. Select the desired mode using the control panel.

6.1 MIG Welding (Gas/Gasless)

For MIG welding, install the appropriate welding wire (solid wire for Gas MIG, flux-cored wire for Gasless MIG). Connect the MIG torch and, if using Gas MIG, connect the gas cylinder and regulator. Adjust the wire feed speed and voltage using the synergistic controls for optimal results. The intuitive design allows for easy adjustment based on your application.

6.2 Lift TIG Welding

For Lift TIG welding, connect a Lift TIG torch (purchased separately) and a gas cylinder with argon gas. Ensure the tungsten electrode is properly prepared. This mode is suitable for precise welding of various metals, including aluminum (with appropriate setup).

6.3 Stick Welding (MMA)

For Stick welding, connect the electrode holder and ground clamp. Insert the appropriate electrode for your material. Adjust the current setting on the machine. The true 200 AMP output current provides strong welding performance.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your welder.

- **Cleaning:** Keep the machine clean and free from dust and debris. Use compressed air to clean the internal components periodically.
- **Cable Inspection:** Regularly inspect all welding cables, torches, and clamps for wear, damage, or loose connections. Replace damaged components immediately.
- **Wire Feed System:** Clean the wire feed rollers and liner to ensure smooth wire feeding.

- **Storage:** Store the welder in a dry, clean environment when not in use.

8. TROUBLESHOOTING

If you encounter issues with your welder, refer to the following common problems and solutions:

- **No Power:** Check the power connection, circuit breaker, and ensure the machine is switched on.
- **Poor Arc Start/Stability:** Verify proper grounding, check electrode/wire condition, and ensure correct current/voltage settings for the material and process.
- **Overheating:** The welder has automatic safety features. If it overheats, it will shut down. Allow it to cool down before resuming operation. Ensure adequate ventilation.
- **Wire Feeding Issues:** Check for tangled wire, correct wire size for the rollers, and a clean wire liner.

For persistent issues, contact customer support.

9. PRODUCT VIDEOS

Watch these videos for visual guidance on using welding machines. Please note that some videos may feature similar models or general welding techniques.

SYNMIG Welding 200 Overview

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This video provides an overview of the SYNMIG Welding 200, demonstrating its features and capabilities. While not the exact MIG-270PLUS model, it showcases similar welding processes and machine operation.

Product Summary

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A concise product summary video, highlighting key aspects and benefits of the welding machine.

Using the MIG 7-in-1 Welder - MIG200III

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This video demonstrates the usage of a MIG 7-in-1 welder (MIG200III). While it's a different model, the welding techniques and general operation principles can be applied to the ANDELI MIG-270PLUS.

SYNMIG Test Welding

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A video showcasing test welding with a SYNMIG machine, providing visual examples of welding performance. This can be helpful for understanding the welding process.

XTRAMIG 200 Weld Demonstration

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This video demonstrates welding with the XTRAMIG 200. While a different model, it offers insights into general welding practices and machine capabilities.

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact the seller directly. For technical support or service inquiries, please reach out to ANDELI Official Store.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question