

## Eastwood 33930

# Eastwood 250 Amp MIG Welder Machine User Manual

Model: 33930

## INTRODUCTION

The Eastwood 250 Amp MIG Welder is a powerful and versatile machine designed for both DIY enthusiasts and professional metalworkers. Featuring advanced IGBT inverter technology, this portable welder is compatible with both 120V and 240V power sources, making it suitable for various workshop environments. It is capable of welding materials from 20-gauge sheet metal up to 1/2-inch thick steel plates, offering precise control with its infinitely adjustable amperage from 50 to 250 amps.



Figure 1: The Eastwood 250 Amp MIG Welder Machine, showcasing its compact design and primary connections.

## SAFETY INFORMATION

Welding operations involve inherent risks. Adhering to safety guidelines is paramount to prevent injury and ensure safe operation of the Eastwood 250 Amp MIG Welder. Always prioritize your safety and the safety of those around you.

- **Eye Protection:** Approved safety glasses must be worn at all times in addition to a welding helmet with the correct grade of UV lens for MIG welding.
- **Footwear:** Appropriate footwear with substantial uppers and rubber soles must be worn to protect against electrical shock and falling objects.
- **Hand Protection:** Protective leather welding gloves must be worn when using this equipment to shield hands from heat, sparks, and electrical hazards.
- **Ventilation:** Ensure adequate ventilation in the work area to disperse welding fumes.
- **Fire Prevention:** Keep a fire extinguisher nearby and ensure no flammable materials are in the welding vicinity.
- **Electrical Safety:** Always ensure the machine is properly grounded and inspect cables for damage before each use.

## PACKAGE CONTENTS

Upon unpacking your Eastwood 250 Amp MIG Welder, please verify that all the following components are included:



Figure 2: Visual representation of the Eastwood 250 Amp MIG Welder and its included accessories.

1. MIG 250 Welder Unit
2. Trafimet ERGOPLUS24 MIG Torch (8-foot cable)
3. Ground Cable with Clamp (9.5-foot cable)
4. Shielding Gas Regulator
5. Shielding Gas Hose (Not included in photo)
6. Extra Contact Tips (2) .030" and (2) .040"
7. 8" Wire Spool Adapter (Not included in photo)
8. Steel MIG Wire, ER70S-6, 2lb, .030" (Not included in photo)
9. 120/240 VAC Adapter Cord (Not included in photo)
10. Handheld Face Shield
11. Combo Welding Brush and Hammer
12. Contact Tip Wrench
13. 0.023" to 0.045" (0.9 / 1.2 mm) Drive Roller
14. Instruction Manual (This document)

## SETUP

Follow these steps for initial setup of your MIG welder:

1. **Power Connection:** Connect the welder to either a 120V or 240V North American power source using the appropriate adapter cord. Ensure the power source matches the machine's voltage setting.

2. **Ground Cable Connection:** Attach the ground clamp to a clean, bare metal section of your workpiece. Ensure a solid electrical connection.
3. **MIG Torch Connection:** Securely connect the Trafimet ERGOPLUS24 MIG torch to the front panel of the welder.
4. **Wire Spool Installation:** Open the side panel of the welder to access the wire feed mechanism. Install your chosen wire spool (e.g., steel MIG wire) onto the spindle. Ensure the wire feeds smoothly through the drive roller and into the torch liner. Use the correct drive roller for your wire size.

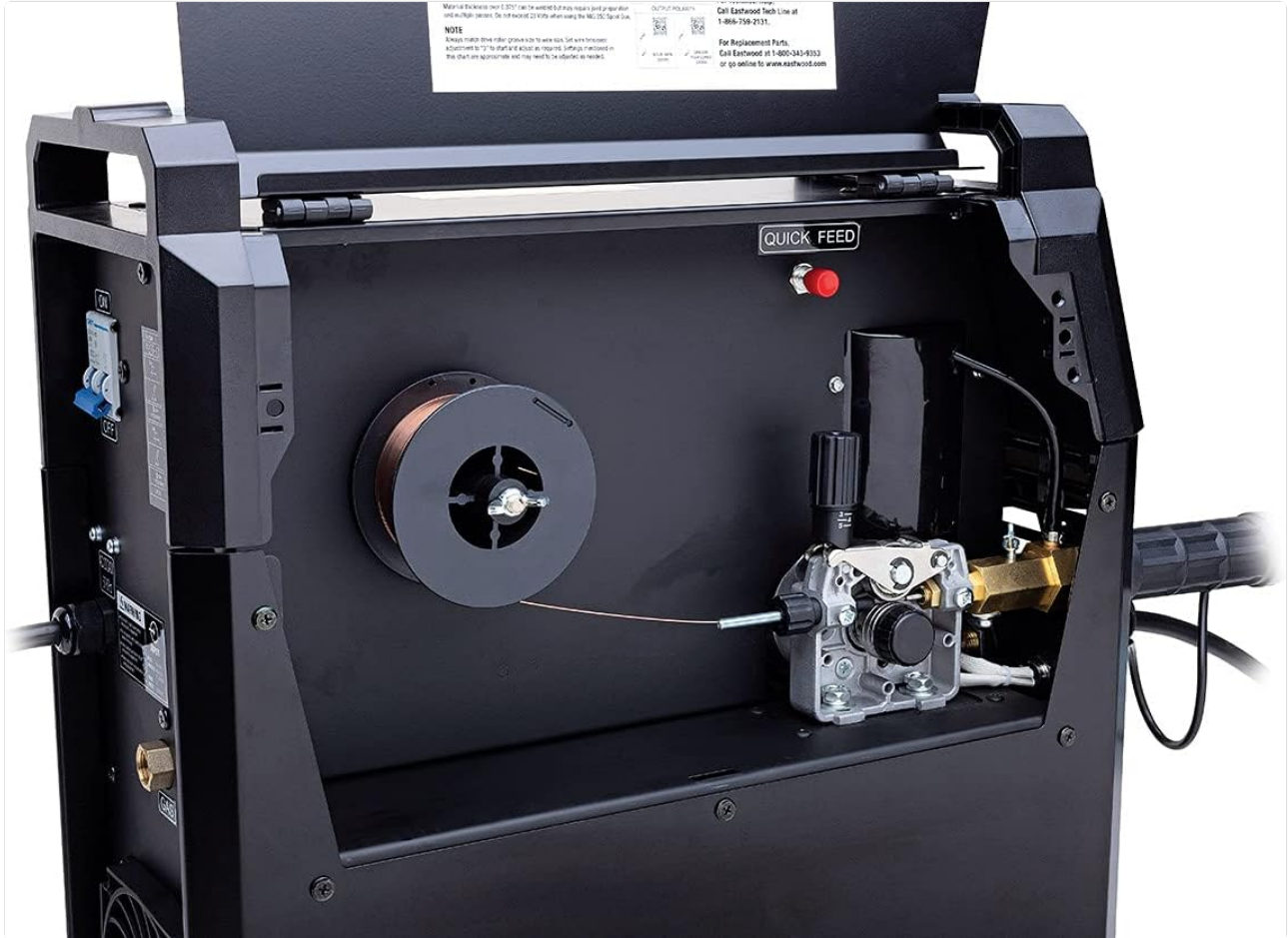


Figure 3: Inside the welder, showing the wire spool and feed system.

5. **Gas Connection (for Gas MIG Welding):** If using shielding gas, connect the gas regulator to your gas cylinder and then connect the shielding gas hose from the regulator to the gas inlet on the rear of the welder. Ensure all connections are tight to prevent leaks.





Figure 4: Rear panel connections for power and gas.

## OPERATING INSTRUCTIONS

The Eastwood 250 Amp MIG Welder offers intuitive controls for precise welding. Always refer to the specific settings chart for your material and wire type.

1. **Power On:** Turn on the main power switch located on the front panel.
2. **Select Mode:** Choose between MIG or Spool Gun mode using the selector switch.
3. **Adjust Amperage/Voltage:** Use the infinitely adjustable knobs to set the desired amperage (50-250 amps) and

voltage based on your material thickness and wire type.

4. **Adjust Wire Speed:** Set the wire feed speed using the dedicated knob. Proper wire speed is crucial for a stable arc and good weld bead.
5. **Prepare Workpiece:** Ensure your workpiece is clean and free of rust, paint, or grease.
6. **Begin Welding:** With proper safety gear on, position the torch and initiate the arc. Maintain a consistent travel speed and torch angle for optimal results.



Figure 5: The Eastwood 250 Amp MIG Welder in operation, demonstrating its use in a typical welding scenario.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Eastwood 250 Amp MIG Welder.



- **Cleanliness:** Keep the welder clean and free of dust and metal particles. Use compressed air to blow out internal components periodically.
- **Torch and Consumables:** Regularly inspect the MIG torch for wear and tear. Replace contact tips, nozzles, and diffusers as needed. Clean the torch liner to ensure smooth wire feeding.
- **Cable Inspection:** Check all cables (power, ground, torch) for cuts, abrasions, or loose connections. Replace damaged cables immediately.
- **Wire Feed Mechanism:** Keep the drive rollers clean and ensure proper tension for consistent wire feeding.
- **Storage:** Store the welder in a dry, clean environment when not in use.

## TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your welder.

Problem	Possible Cause	Solution
No Power	Loose power connection, tripped circuit breaker, faulty power cord.	Check power cord connection, reset circuit breaker, inspect power cord for damage.
Poor Arc Start / Unstable Arc	Improper wire speed/voltage settings, dirty workpiece, worn contact tip, loose ground clamp.	Adjust settings, clean workpiece, replace contact tip, ensure solid ground connection.
Wire Not Feeding	Kinked wire, clogged liner, incorrect drive roller tension, empty spool.	Straighten wire, clean/replace liner, adjust drive roller tension, replace wire spool.
Overload Indicator On	Exceeded duty cycle, insufficient ventilation.	Allow machine to cool down, ensure proper airflow around the unit.

## SPECIFICATIONS

A black Eastwood MIG 250 portable welder machine with a carrying handle and various cables attached. The machine has a control panel with two red knobs and a digital display.

## PERFECT FOR SMALL TO MID-SIZE GARAGE PROJECTS

This powerful portable welder machine weighs 46 lbs and is compatible to run on 120v or 240v, so you can plug it into nearly any existing circuitry in your garage or shop. This is our most advanced MIG welder that can be used on 20-gauge sheet metal up to ½-inch steel plates. The infinitely adjustable knob allows you to set the amperage anywhere between 50 and 250 amps for greater control.

Figure 6: Key features and technical specifications of the welder.

Feature	Detail
Model Number	33930
Welding Capacity	20 gauge steel up to ½-inch thick plate
Input Voltage	120V or 240V AC
Amperage Range	Infinitely adjustable 50-250 amps
Duty Cycle	60% at full 250 amp setting
Item Weight	68.4 pounds
Torch Cable Length	8 feet
Ground Cable Length	9.5 feet
Technology	State-of-the-art IGBT Inverter
Wire Spool Compatibility	4-inch or 8-inch wire spool
Torch Type	Trafimet ERGOPLUS24 Torch
Optional Accessories	Spool gun for aluminum wire (sold separately)

## WARRANTY AND SUPPORT

Eastwood is committed to providing high-quality products and excellent customer service.

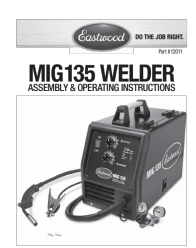






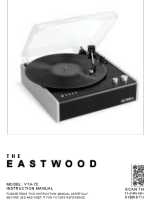
- **Warranty:** This product comes with a 3-year limited warranty. Please retain your proof of purchase for warranty claims.
- **Return Policy:** A 90-day return policy is available from the date of purchase.
- **Technical Support:** Eastwood provides lifetime technical support for its products. For assistance, please visit the official Eastwood website or contact their customer service.
- **Satisfaction Guarantee:** Eastwood offers a 100% Satisfaction Guarantee since 1978, standing behind their solutions and customers.

For more information, visit the [Eastwood Store on Amazon](#).

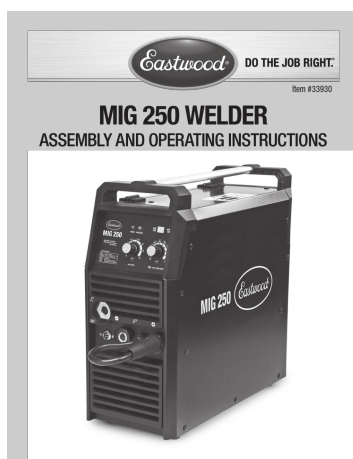
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Related Documents - 33930

	<p><a href="#">Eastwood MIG 135 Welder Assembly &amp; Operating Instructions   Model 12011</a></p> <p>Comprehensive assembly and operating instructions for the Eastwood MIG 135 Welder (Part #12011). Covers specifications, safety, installation, gas supply, power connection, wire spool, threading, gas flow, driver roller changes, welding process, joint types, techniques, overload protection, duty cycle, troubleshooting, and accessories.</p>
	<p><a href="#">Eastwood L6700 LED Welding Helmet Instructions and Safety Guide</a></p> <p>Comprehensive instructions and safety information for the Eastwood L6700 LED Welding Helmet, covering operation, maintenance, specifications, and troubleshooting. Features auto-darkening, LED light, and adjustable headgear.</p>
	<p><a href="#">Eastwood Throatless Electric Metal Shear (Part #20644) - Instructions and Safety Guide</a></p> <p>Detailed instructions, safety warnings, specifications, and troubleshooting for the Eastwood Throatless Electric Metal Shear, Part #20644. Learn how to operate, maintain, and service this professional-grade metal cutting tool.</p>
	<p><a href="#">Eastwood Jamey Jordan Signature Series Plate Bead Roller Art Die Master Set Instructions</a></p> <p>Instructions for the Eastwood Jamey Jordan Signature Series Plate Bead Roller Art Die Master Set, including product overview, specifications, safety warnings, operation, and storage guidelines. Features hardened-steel tipping die and wear-resistant nylon rolls.</p>

	<p><a href="#">Eastwood Step-by-Step Automotive Painting Guide</a></p> <p>A comprehensive guide from Eastwood detailing the process of painting a car at home, covering preparation, body filler application, priming, painting, and finishing.</p>
	<p><a href="#">Victrola Eastwood VTA-72 Turntable Instruction Manual</a></p> <p>Comprehensive instruction manual for the Victrola Eastwood VTA-72 turntable, covering safety, setup, operation, Bluetooth connectivity, maintenance, troubleshooting, specifications, and warranty information.</p>

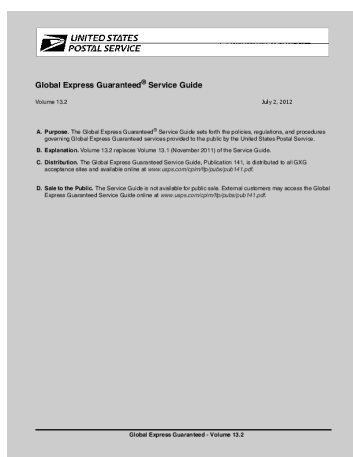
## Documents - Eastwood – 33930



### [\[pdf\] Instructions Warranty](#)

MIG 250 WELDER p33930Q eastwood images library Eastwood READ AND UNDERSTAND ALL INSTRUCTIONS PRECAUTIONS BEFORE PROCEEDING Cut off the small piece of curved segment at front welding wire and |||

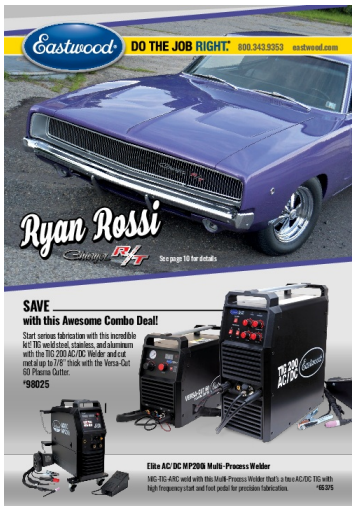
Item #33930 MIG 250 WELDER ASSEMBLY AND OPERATING INSTRUCTIONS  
 The EASTWOOD MIG 250 WELDER provides the ability to MIG weld from a high-powered, self-contained unit. Inverter Technology provides the capability of welding thin gauge steel to heavy 1/2 sheet steel with precision and ease. Designed ...  
 lang:en score:29 filesize: 9.08 M page\_count: 24 document date: 2021-12-03



### [Global Express Guaranteed Service Guide - International Shipping Policies](#)

Comprehensive guide detailing policies, regulations, and procedures for Global Express Guaranteed (GXG) international expedited delivery services offered by the United States Postal Service in partnership with FedEx Express. Covers shipping requirements, prohibited items, insurance, and form instructions.

lang:en score:24 filesize: 19.87 M page\_count: 1159 document date: 2012-06-12

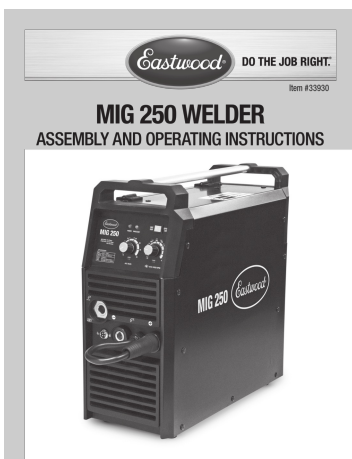


[\[pdf\]](#) Accessories Catalog

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800.343.9353 eastwood.com See page 10 for details SAVE with this Awesome Combo Deal Start serious ... 0 Perfect for sheet metal. Welds 3/16 #20559 MIG 250 Built for hard-core fabrication. Welds 1/2 #33930 TIG 200 DC Versatile 110 or 220v operation. Welds 1/4 #33970 Versa-Cut 40 Great for auto res...

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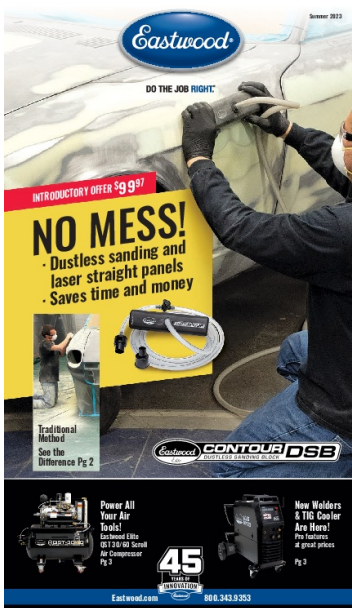


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Item #33930 MIG 250 WELDER ASSEMBLY AND OPERATING INSTRUCTIONS The EASTWOOD MIG 250 WELDER provides the ability to MIG weld from a high-powered, self-contained unit. Inverter Technology provides the capability of welding thin gauge steel to heavy 1/2 sheet steel with precision and ease. Designed ...

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Summer 2023 99 INTRODUCTORY OFFER 97 NO MESS

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Eastwood MIG 90 The perfect welder for beginners Weld up to 1/8 120V Input True ...

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**Instruction Manual**

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**Part 8A**

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Vital Records, Geographic Classification, 2004  
Federal Information Processing Standards (FIPS)

**Vital Statistics**  
Data Preparation

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Centers for Disease Control and Prevention  
National Center for Health Statistics  
Hyattsville, Maryland  
November 2003

[NCHS Instruction Manual Part 8A: Vital Records Geographic Classification, 2004](#)

This instruction manual, Part 8A, details the geographic classification standards for vital records, referencing the 2004 Federal Information Processing Standards (FIPS). Developed by the National Center for Health Statistics (NCHS), it provides essential guidance for preparing and processing vital statistics data, covering coding rules for occurrence, birthplace, and residence.

lang:en score:16 filesize: 3.26 M page\_count: 1326 document date: 2006-11-27