

*The Power to Weld More!*



# Syncrowave® 200

AC/DC TIG/Stick Power Source



**The standard in TIG welding for fabrication and hobbyist applications.**

- Weld a broad variety of material thicknesses with a wide amperage range.
- Improve weld bead appearance with the refined control of the built-in pulser.
- Achieve better weld results on aluminum with AC Balance Control.
- Reduce setup time with automatically controlled variables and single-knob adjustment.
- Operate power tools and accessories with a 115V front panel receptacle.
- Increase process capabilities with a complete accessory kit for both TIG and Stick welding.

## Superior Welding Capabilities

The amperage range of 5–200 amps provides the ability to weld thin sheet metal and the extra amperage capacity to weld thicker material — up to 1/4" aluminum with AC TIG. Weld longer with the highest rated output and duty cycle in its class!

## Professional Bead Appearance and Results

The standard, built-in pulser is easy to set with single-knob adjustment. Pulsing can decrease heat input on thin materials for added puddle control while reducing burn-through and the warping effects of distortion. The pulser can also be used to coordinate filler addition to the weld — for a more uniform bead appearance.

## Better Results on Aluminum

AC Balance Control can be adjusted to improve the weld appearance on aluminum — fine-tuning arc cleaning action and extending tungsten electrode life.

## Simplified Setup and Operation

Key process variables are controlled automatically by the power source for optimum performance in each process. Digital parameter presets enhance repeatability and accuracy for more consistent results.



## Complete Accessory Kit Included

Worth over \$300, the Syncrowave 200 comes complete with the required accessories for TIG and Stick welding — including the highest quality accessories in its class, like a premium Weldcraft TIG torch and Smith Regulator/Flowmeter (100% brass construction).

## Plug-in Power Tools and Accessories

The innovative Syncrowave 200 is the only power source in its class to bring a new level of convenience with its 115V front panel receptacle — which is perfect for operating grinders, water-coolers and other power tools.

*The power, features and control make the Syncrowave 200 from Miller the most capable welder and best choice in its class. No other machine provides this level of quality and reliability in a simple, easy-to-use package at an affordable price.*

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MADE IN **USA**  
APPLETON, WI **USA**

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*“The Syncrowave 200 has a good range and we could go as thick as 1/4 in. on aluminum for spoilers, or down to 30 thousandths on air cleaner boxes.”*

— Dan Jones, Fabricator  
Hendrick Motorsports

**The Syncrowave 200 is the right choice for:**

- Hobbyists
- Light Fabrication
- Light manufacturing
- Motorsports and Automotive Repair
- Maintenance and Repair

## Q&A:

**Is it possible to weld steel, stainless, chromoly and aluminum with one power source and standard accessories?**

Solution: Yes, it's possible using Miller's Syncrowave 200 package and argon shielding gas. With an amperage range of 5–200 amps, it's the only power source in its class to offer excellent low-end arc performance combined with the amperage capacity to weld 1/4" aluminum.

**Can a beginner or novice TIG welder setup and operate the machine with professional results?**

Solution: Yes, the Syncrowave 200 provides single-knob control for parameter adjustment while other key process variables are automatically tied to the welding process and polarity for optimum performance and consistent results. The Syncrowave 200 combines simplicity with an industrial-quality arc in a complete package.

**Will pulsed TIG welding improve weld quality or appearance?**

Solution: Yes, the Syncrowave 200's standard, built-in pulser is easy to set and adjust for extra puddle control by reducing heat input. Minimize burn through on thin materials, reduce distortion or coordinate filler addition to the puddle for a more consistent weld bead.

## Syncrowave® 200 Key Comparisons

	Miller Syncrowave 200	Lincoln Precision TIG 225	The Power of Blue® Payoff
<b>Rated Output</b>	150A/26V @ 40%	150A/26V @ 30%	Welds up to 1/4" aluminum and provides the highest duty cycle and rated output in its class.
<b>Welding Range</b>	5–200 Amps	5–230 Amps	
<b>Digital Pulse Control</b>	Yes	No	Uses digital parameter presets for accurate and repeatable adjustment.
<b>115V Front Panel Receptacle (Auxiliary Power)</b>	Yes	No	Use the 115V receptacle (15A) to operate grinders, coolers or other power tools.
<b>Syncro-Start Technology</b>	Yes	No	Allows the arc start to be adjusted based on material thickness and electrode diameter.
<b>Auto Postflow</b>	Yes	No	Automatically adjusts postflow time based on welding amperage for optimum shielding, with no adjustment required.
<b>Premium Accessories for TIG and Stick</b>	Yes	No	Includes a premium Weldcraft TIG Torch with flexible braided power cable and Smith Flowmeter/Regulator with 100% brass construction.

For more detailed product information and package numbers, see literature #AD/4.4.

10/06

Stock No.	Description
#907 308	Basic Model (208–230V)
#907 308-01-1	TIGRunner (208–230V)



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