

The industry standard for welding aluminum.



Syncrowave[®] 250 DX / 350 LX

TIG/Stick Welding Power Sources for welding all types of materials.

Providing intricate welds in demanding environments.

- Industry benchmark for welding aluminum
- Complete packages ready to weld. Includes all items needed to get started.
- First and only 3-year cooler warranty on TIGRunner™ Packages.
- Syncro-Start technology for customized arc starts
- Syncrowave 250 DX: 3–310 amps, and Syncrowave 350 LX: 3–400 amps.

Squarewave Technology

Developed by Miller Electric in 1976 to improve weld quality and make TIG welding easier. Miller Squarewave Technology provides arc stability when welding aluminum, prevents arc rectification and eliminates tungsten erosion.

Balance Control

Provides additional oxide removal (more cleaning) or less cleaning based on the material condition being welded. See Questions and Answers for more information on oxides.

Dual Inline High Frequency Points

Syncro-Start™ Technology for Customized Arc Starts

Syncro-Start technology feature allows for more precise arcs and fine-tuning for each application based on tungsten diameter and material thickness.

Syncro-Start™

Select 1	For precision welding on thin materials at low amps with small diameter electrodes
Select 2	For consistent starts with a 3/32" tungsten electrode (default start)
Select 3	For welding thick materials with large diameter electrodes



Syncrowave 250 DX Complete Package

The Syncrowave 250 DX / 350 LX is the right choice for:

- Precision metal fabrication
- Maintenance and repair
- Light and heavy manufacturing

Enhanced Arc Performance

The Syncrowave 250 DX now equals the 350 LX in low-end performance with superior arcs down to 3 amps. And, a full featured pulser adjusts background amperages—reducing heat input and distortion. (Pulser is optional on 250DX models.)

For more than 30 years, Miller has led the industry in innovative and successful TIG products.



MillerWelds.com

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

Syncrowave® 250 DX / 350 LX

TIG/Stick Welding Power Sources for welding all types of materials.



“The Syncrowave units are the most integrated machines and the easiest to use. My guys call it the pour, plug and go welder. Just pour coolant in the cooler, plug it in, and start welding.”

— Scott Pickens, Owner
All Ways Metals, Gardena, CA

Q&A:

Welding Aluminum? Oxides that form on aluminum melt at temperatures over 3700 deg F. The aluminum base material that is located under this layer of oxide melts at 1200 deg F.
Solution: The Syncrowave 250 DX/ 350 LX, Squarewave welding output automatically removes the layer of aluminum oxide that forms on your part which is necessary for high quality great looking welds.

What features could provide you with extra time and money savings?

Solution: The innovative Syncrowave 250 DX and 350 LX feature last procedure recall, quick connect torch for simple and safe process switching, and Fan-On-Demand™ for increased power efficiency, as well as noise and maintenance reduction.

Syncrowave® 250 DX/350 LX Key Comparisons

	Syncrowave 250 DX/350 LX	Lincoln Precision TIG 275/375	The Power of Blue® Payoff
Syncro-Start™	Yes	No	Perfect starts for every application! Select from 3 customized HF TIG starts.
Dual Inline High Frequency Point	Yes	No	Intense high frequency for arc starting and stabilization.
Last Procedure Recall™	Yes	No	Saves time! Simplifies changing processes. Variables return to previous settings.
Cooler Warranty	3-year	1-year	First and ONLY in the industry with a 3-year, True Blue Warranty on its TIGRunner cooling system.

For more detailed product information and package numbers, see literature sheet #AD/4.2

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	Syncrowave® 250 DX		Syncrowave® 350 LX	
	200/230/460 V	230/460/575 V	200/230/460 V	230/460/575 V
Base Model	#907 194	#907 195	#907 198	#907 199
Complete Package	#951 117	#951 118	#951 119	#951 120



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