

DELTAWELD[®] 600

MIG Welding System



NEW





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HIGH POWER SOLUTIONS MADE SIMPLE

The manufacturing solution for welders of all skill levels, now with higher output. The Deltaweld® paired with Intellix™ wire feeders creates improved productivity by simplifying the user experience with EZ-Set technology, pulsed MIG capabilities, and dedicated wire feeder options.





EASE OF USE

EZ-Set technology simplifies parameter setup based on material thickness, removing complexity.



PULSE CAPABLE

Accu-Pulse® offers a more forgiving arc and compensates for variations in operator technique, providing a wider operating window.



WELDING INTELLIGENCE™

Get more done, produce higher-quality welds and control costs with our weld monitoring system, **Insight Centerpoint™**.



READY TO WELD

Reduce the time and hassle of setting up welding systems.

KEY SELLING POINTS

Deltaweld® systems, paired with Intellx™ wire feeders, help customers overcome the challenges holding their operations back.

1 EASY TO USE

The Deltaweld® series is easy to use. EZ-Set simplifies parameter setup based on material thickness, removing complexity and reducing welder training time.

WHAT IT MEANS FOR THE CUSTOMER:

- Less training time needed
- Get into production quicker with proper parameters
- More consistent weld quality
- Reduce downtime, complexity and confusion

2 PULSE CAPABILITY

The Deltaweld® system offers a wider operating window and reduced spatter generation with Accu-Pulse®, enabling new operators improved performance and faster training.

WHAT IT MEANS FOR THE CUSTOMER:

- More forgiving arc
- Wider range of material thickness
- Same wire diameter
- Increase productivity

3 MORE POSSIBILITIES

The Deltaweld® Intellx™ System Offers

- More flexibility
- Wider range of jobs

WHAT IT MEANS FOR THE CUSTOMER:

- Weld multiple material types
- More weld quality control
- Reduce training time

4 READY TO WELD

- Reduce set up time and hassle
- Begin welding quicker

WHAT IT MEANS FOR THE CUSTOMER:

- Spend less time deploying new welding equipment





PRIMARY TARGETS

HEAVY INDUSTRIAL MANUFACTURING

Ideal for general manufacturing and heavy equipment.

QUALITY MANAGER / MAINTENANCE MANAGER / PRODUCTION MANAGER / GENERAL MANAGER / WELDING ENGINEERS

FOCUS

Same trusted power source now with more output

Multi-material flexibility to take on more

Legendary reliability reduces downtime

Intuitive to use for all skill levels



DELTAWELD® ACCESSORIES



Compatible Wire Feeders

Intelix™ Basic | Intelix™ Pro | Intelix™ Elite

ADVANCED PROCESSES

MIG			
EZ-Set MIG			
EZ-Set Accu-Pulse®			
EZ-Set Versa-Pulse™			
EZ-Set High-deposition MIG			
EZ-Set RMD®			



DELTAWELD® LINEUP COMPARISON

Power Sources	Deltaweld® 350	Deltaweld® 500	Deltaweld® 600
SPECS			
Size	H: 22.36 in. (568 mm) W: 15.35 in. (390 mm) D: 29.15 in. (740 mm)	H: 22.36 in. (568 mm) W: 15.35 in. (390 mm) D: 31.65 in. (804 mm)	
Weight	115 lb (52.2 kg)	145 lb. (65.8 kg)	
FEATURES			
Auxiliary Power	115 V standard		
Input Power	208/230/460 V or 575 V, 3-phase, 60 Hz 230 V, 1-phase, 60 Hz	208/230/460 V or 575 V, 3-phase, 60 Hz	
Rated Output	350 A at 60% duty cycle	500 A at 100% duty cycle	600 A at 100% duty cycle
Output Range	20-400 A, 10-38 V	30-650 A, 10-44 V	30-750 A, 10-44 V

FAQS

How is the Deltaweld® 600 different from the 350 and 500?

With the Deltaweld® 600, you can take on more applications and increase arc-on time with a more intuitive, easy-to-train system. It also integrates seamlessly into your existing setup, delivering a unified solution without disruption.

My current welder works just fine, so why would I switch to a new one?

This power source gives you the amperage you need when the job calls for it without having to rely on a mixed fleet workflow. The Deltaweld® 600 isn't just adding to the family of power sources, it's completing it.

How easy is it to integrate into my current setup?

The Deltaweld® 600 is built to integrate seamlessly into your existing setup with minimal disruption. With simple installation and EZ-Set technology, this reduces downtime and little to no additional training, making it an easy upgrade without slowing down production.

Can the Deltaweld® 600 gouge with a 1/2" carbon?

Yes, the Deltaweld® 600 is capable of gouging with a 1/2" carbon electrode. While the typical amperage recommendation for a 1/2" carbon ranges from 800-1000 amps, testing has shown the Deltaweld 600 can effectively run 1/2" carbons at lower settings. In evaluation, the machine delivered stable performance at approximately 725 amps and 47 volts, providing consistent gouging results without issue.

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Want to know more?

920.734.9821 / MillerWelds.com/products/deltaweld

