



TIG PRODUCT GUIDE



VENTURE™ 150 T (DC)

Built for portable applications and powered by swappable battery packs that are engineered for welding.

INDUSTRIES

MECHANICAL CONTRACTORS MAINTENANCE AND REPAIR CONSTRUCTION

VENTURE™ 150 T

- Mobile welding
- Battery operated
- High-frequency TIG



KEY PRODUCT FEATURES:

ONLY 27 lbs.



QUIETPULSE™

MAXSTAR® SERIES (DC)

From thin tube and MRO to large pipe and tank fabrication, this family of products is ideal for steel and stainless steel applications.

INDUSTRIES

FOOD & BEVERAGE PETRO CHEMICAL SHIPBUILDING PHARMA

MAXSTAR 161 STL and STH

- Maintenance and repair
- Portability is paramount



KEY PRODUCT FEATURE:

ONLY 13 lbs.

MAXSTAR 210 and 280

- Precision fabrication
- Steel and stainless steel are primary materials
- Shop and portable applications



KEY PRODUCT FEATURES:



QUIETPULSE™

MAXSTAR 400

- Heavy fabrication
- Steel and stainless steel are primary materials
- Shop and fixed automation applications



KEY PRODUCT FEATURES:



QUIETPULSE™

SYNCROWAVE® SERIES (AC/DC)

Designed for light to heavy manufacturing on all materials including aluminum for general applications.

INDUSTRIES

MANUFACTURING GENERAL FABRICATION/JOB SHOPS VOCATIONAL TRAINING

SYNCROWAVE 212

- Basic operations
- Welds all materials including aluminum
- Easy to use
- Light industrial applications



KEY PRODUCT FEATURES:



SYNCROWAVE 300 and 400

- High-volume and heavy manufacturing
- Welds all materials including aluminum
- General applications



KEY PRODUCT FEATURES:



DYNASTY® SERIES (AC/DC)

Provides precision fabrication with ultimate versatility on all materials including aluminum for both shop and portable applications.

INDUSTRIES

AEROSPACE TRUCK & TRAILER EXOTIC METAL FABRICATION BOAT & MARINE ACCESSORIES

DYNASTY 210 and 300

- Pinnacle welding applications
- Precision and control for thin to medium materials
- Shop and portable applications



KEY PRODUCT FEATURES:



QUIETPULSE™

DYNASTY 400 and 800

- Heavy fabrication
- Welds all materials including aluminum
- Precision shop and automated applications



KEY PRODUCT FEATURES:



QUIETPULSE™



Which TIG Welder is Right for You?

		AC/DC TIG WELDERS				DC TIG WELDERS						
		SYNCROWAVE®		DYNASTY®		Venture T		MAXSTAR®				
		212	300	400	210	300	400	800	161	210	280	400
		Personal Light Industrial	Personal Light Industrial	Personal Light Industrial	Personal Light Industrial	Personal Light Industrial	Personal Light Industrial	Light Industrial Industrial	Personal Light Industrial	Personal Light Industrial	Personal Light Industrial	Light Industrial Industrial
What Level of Parameter Adjustments Are Needed?												
Simplified Parameter Adjustments*		X	X	X	X	X	X	X	X	X	X	X
Advanced Parameter Adjustments**					X	X	X	X				X
What Material Are You Welding?												
Steel/Stainless Steel		X	X	X	X	X	X	X	X	X	X	X
Aluminum		X	X	X	X	X	X	X	X	X	X	X
What Material Thickness Are You Welding?												
Less than .020"					X	X	X	X				
.020" - 1/8"		X	X	X	X	X	X	X	X	X	X	X
1/8" - 3/16"		X	X	X	X	X	X	X	X	X	X	X
Up to 1/4"		X	X	X	X	X	X	X	X	X	X	X
Up to 3/8"					X	X	X	X	X	X	X	X
Up to 5/8"					X	X	X	X				X
Up to 1"												
How Much Input Power Do You Need?												
Single Phase		X	X	X	X	X	X	X	X	X	X	X
Three Phase					X	X	X	X				X
Does The Machine Need to be Portable?												
Yes: Multi-Site					X	X	X	X				
No: In-Shop Use		X	X	X	X	X	X	X	X	X	X	X

* (Balance, Frequency, DC Pulsing)

** (Balance, Frequency, Waveshaping, Independent Amperage/Waveshaping)