

TIG PRODUCT GUIDE



DIVERSION™ (AC/DC)

For the personal user needing to achieve basic operations with an easy-to-understand machine.

Industries: Metal art, auto restoration, DIY

DIVERSION 180

- Home hobbyist
- Basic operations
- Easy to understand



MAXSTAR® (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 and beverage, petro chemical, shipbuilding, pharma

MAXSTAR 161 STL and STH

- Maintenance and repair
- Portability is paramount



MAXSTAR 210 and 280 SERIES

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



MAXSTAR 400 and 800

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



SYNCROWAVE® (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 210

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



SYNCROWAVE 300 and 400

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



DYNASTY® (AC/DC)

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

Industries: Aerospace, truck and trailer, exotic metal fabrication, boats and marine accessories

DYNASTY 210 and 280 SERIES

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



DYNASTY 400 and 800

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





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	AC TIG	DC TIG	Stick	MIG	TIG Material Thickness Range	Net Weight	Input Power	
DC (Steel)	MAXSTAR® 161		●	●	.020–3/16 in.	13 lb. (5.9 kg)	120–240 V, 1-phase	
	MAXSTAR® 210		●	●	.002–1/4 in.	38 lb. (17.2 kg)	120–480 V, 1- or 3-phase	
	MAXSTAR® 280		●	●	◎	47 lb. (21.3 kg)	208–575 V, 1- or 3-phase	
	MAXSTAR® 400		●	●		134 lb. (61 kg)	208–575 V, 1- or 3-phase	
	MAXSTAR® 800		●	●		198 lb. (90 kg)	208–575 V, 1- or 3-phase	
AC/DC (Aluminum/Steel)	DIVERSION™ 180	●	●		.030–3/16 in. (aluminum) .025–3/16 in. (steel)	50 lb. (23 kg)	120/240 V, 1-phase	
	SYNCROWAVE® 210	●	●	●	◎	.020–1/4 in. (aluminum/steel)	133.5 lb. (61 kg)	120–240 V, 1-phase
	SYNCROWAVE® 300	●	●	●		.015–3/8 in. (aluminum) .012–1/2 in. (steel)	101 lb. (45.8 kg)	208/240/480 V, 1- or 3-phase
	SYNCROWAVE® 400	●	●	●		.015–1/2 in. (aluminum) .012–5/8 in. (steel)	131 lb. (59.4 kg)	208/240/480 V, 1- or 3-phase
	DYNASTY® 210	●	●	●		.012–1/4 in. (aluminum) .002–1/4 in. (steel)	47 lb. (21.3 kg)	120–480 V, 1- or 3-phase
	DYNASTY® 280	●	●	●	◎	.012–3/8 in. (aluminum) .004–3/8 in. (steel)	52 lb. (23.6 kg)	208–575 V, 1- or 3-phase
	DYNASTY® 400	●	●	●		.015–5/8 in. (aluminum) .012–5/8 in. (steel)	134 lb. (61 kg)	208–575 V, 1- or 3-phase
	DYNASTY® 800	●	●	●		.020–1 in. (aluminum/steel)	198 lb. (90 kg)	208–575 V, 1- or 3-phase

CAPABILITY: ● All models ◎ Some models