



TIG MACHINES

Tungsten inert gas (TIG) welding, is an arc welding process that uses a consumable tungsten electrode to produce the weld. The weld area is protected from atmospheric contamination by a shielding inert gas such as argon, and a filler rod is used. TIG is most commonly used to weld sections of stainless steel and non-ferrous metals such as aluminium, magnesium, and copper alloys. The process grants the operator greater control over the weld than competing processes such as (MMA) manual metal arc welding and (MIG) metal inert gas welding, allowing for stronger, higher quality welds. However, TIG is comparatively more complex and difficult to master, and furthermore, it is significantly slower than most other welding techniques.



TIG machines

TIG 200A DC

Inverter series is manufactured to the highest standards using cutting edge PWM & Mosfet Technology.

- DC current output
- Suitable for TIG & MMA WELDING
- Suitable for Welding Stainless steel, Alloyed steel, Carbon steel & Copper
- Excellent welding Characteristics
- Light weight and portable
- Less power consumption
- Robust construction
- Industrial



Included

Optional Extras



HAND SHIELD



WELDING CABLE SET



SR17 TIG TORCH



ARGON FLOWMETER

TECHNICAL SPECIFICATIONS	OUTPUT				INPUT		GENERAL				
	A AMPERAGE	V VOLTAGE	DUTY CYCLE	OCV OPEN CIRCUIT VOLTAGE	V VOLTAGE	A AMPERAGE	MAX STEEL THICKNESS	Φ MIN MAX ELECTRODE	IP	W h mm	kg
TIG200A	TIG 10-200	TIG 18	60% @ 200 amps	50-80	220V +- 10% 50/60Hz	TIG 28	6mm	2.0mm 4.0mm	21	I-465 w-345 h-360	13.6
	MMA 30-200	MMA 27.2				MMA 31					

TIG machines



TIG 200AC/DC

Inverter series is manufactured to the highest standards using cutting edge PWM & Mosfet Technology.

- AC or DC current output
- Suitable for TIG & MMA WELDING
- Suitable for Welding Aluminium, Alloyed steel, Carbon steel & Copper
- Excellent welding Characteristics
- Light weight and portable
- Less power consumption
- Robust construction
- Industrial



Included

Optional Extras



WELDING CABLE SET



SR17 TIG TORCH



FOOT REMOTE CONTROL



ARGON FLOWMETER

TECHNICAL SPECIFICATIONS	OUTPUT				INPUT		GENERAL				
	A AMPERAGE	V VOLTAGE	DUTY CYCLE	OCV OPEN CIRCUIT VOLTAGE	V VOLTAGE	A AMPERAGE	MAX STEEL THICKNESS	Φ MIN MAX ELECTRODE	IP	W h/l	kg
TIG200AC/DC	10-200	18	60% @ 200 amps	56	220V +- 15% 50/60Hz	30	6mm	2.0mm 4.0mm	21	I-630 w-300 h-560	19





TIG machines

TIG 250AC/DC

Inverter series is manufactured to the highest standards using cutting edge PWM & Mosfet Technology.

- AC or DC current output
- Suitable for TIG & MMA WELDING
- Suitable for Welding Aluminium, Alloyed steel, Carbon steel & Copper
- Excellent welding Characteristics
- Light weight and portable
- Less power consumption
- Robust construction
- Industrial



Included



WELDING CABLE SET



SR26 TIG TORCH



FOOT REMOTE CONTROL



ARGON FLOWMETER

Optional Extras

TECHNICAL SPECIFICATIONS	OUTPUT				INPUT		GENERAL				
	A AMPERAGE	V VOLTAGE	DUTY CYCLE	OCV OPEN CIRCUIT VOLTAGE	V VOLTAGE	A AMPERAGE	MAX STEEL THICKNESS	Φ MIN MAX ELECTRODE	IP	h W	kg
	TIG 10-250 MMA 30-250	TIG 20 MMA 30	60% @ 250 amps	56	220V +/- 15% 50/60Hz	TIG 25 MMA 35	8mm	2.0mm 5.0mm	21	I-780 w-300 h-610	36



TIG 315AC/DC

Inverter series is manufactured to the highest standards using cutting edge PWM & Mosfet Technology.

- AC or DC current output
- Suitable for TIG & MMA WELDING
- Suitable for Welding Aluminium, Alloyed steel, Carbon steel & Copper
- Excellent welding Characteristics
- Light weight and portable
- Less power consumption
- Robust construction
- Industrial



Included



WELDING CABLE SET



SR18 TIG TORCH



FOOT REMOTE CONTROL

Optional Extras



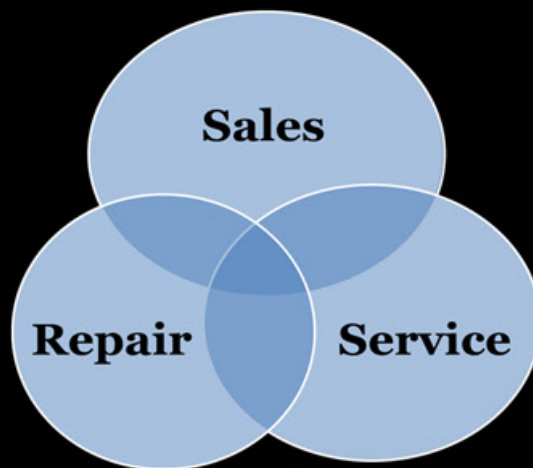
WRA-300S
WATER
COOLER



ARGON FLOWMETER

TECHNICAL SPECIFICATIONS	OUTPUT				INPUT		GENERAL				
	A AMPERAGE	V VOLTAGE	DUTY CYCLE	OCV OPEN CIRCUIT VOLTAGE	V VOLTAGE	A AMPERAGE	MAX STEEL THICKNESS	Φ MIN MAX ELECTRODE	IP	W h h	kg
TIG315A	TIG 10-315	TIG 22.6	60% @ 315 amps	56	380V +- 15% 50/60Hz	TIG 14.7	12mm	2.0mm 6.0mm	21	I-780 w-300 h-610	37
	MMA 30-315	MMA 32.6				MMA 21.2					





PLASONIC

WELDING & INDUSTRIAL SUPPLIES

Head Office:

**9 Spekvreter Street, Glen Marais, Kempton Park
Box 3156, Kempton Park, 1620
Tel: 011 393 3921/2 * Fax: 011 393 2870
clifford@plasonicwelding.co.za**

Durban Branch:

**6B Leeukop Road, Westmead, Pinetown
Box 3156, Kempton Park, 1620
Tel: 031 822 - 3921
clifford@plasonicwelding.co.za**

www.plasonicwelding.co.za