



TIG WELDERS – AC/DC 415v

Class leading, reliable components and a wealth of advanced features make this range of welders the only serious choice for TIG welding

At a glance

- AC Frequency Adjustment up to 250Hz
- Full featured pulse welding
- Patented HF Micro-Start
- High 60% duty cycle
- 2 year warranty
- Remote Foot Pedal Option

Applications

- Fabrication
- Aerospace
- Automotive Industry
- Marine Applications



The **TIG315** and **TIG401** are two massive specification TIG welders – both sharing the same class leading technology

Adjustable AC Squarewave Frequency up to 250Hz allows for greater control of the weld pool and quicker travel speed

Fully featured pulse welding allows for greater control of heat into the weld pool resulting in less heat deformation

Patented HF micro-start prevents HF interference on localized electronic equipment

Welding Trolley, Water Cooler and Remote Foot Pedal are available for this range of TIG welders.

The **TIG315** and **TIG401** require a 415v 3 phase input

Our complete package includes a 4M Air Cooled WP26 TIG Torch (see below for torch options), Earth Lead, MMA Lead, Gas Hose, Mains Cable, Argon Regulator, Owners Manual and a Torch Consumables Kit.

All our 415v TIG welders feature a two year warranty as standard

TIG TORCH OPTIONS	LENGTH	RATING
WP18 Water Cooled torch	4M & 8M	350A DC – 250A AC
WP20 Water Cooled torch	4M & 8M	250A DC – 175A AC
WP26 Air Cooled torch	8M	200A DC – 150A AC
SP450 Water Cooled torch	4M & 8M	450A DC – 350A AC

TECHNICAL SPECIFICATIONS

TIG315 – 415v

Output @ 60% duty cycle	315 amps
AC TIG Output	20-315 amps
DC TIG Output	20-315 amps
MMA Output	20-250 amps
AC Squarewave Balance Control	yes
AC Squarewave Frequency Control	20-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size (Generator must Automatic Voltage Regulation - AVR)	15 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	5-315 amps
Pulse Width Range	0.1–0.9 seconds
Pulse Frequency Range	0.5-25Hz
2T/4T (latching) trigger operation	yes
LED amperage/voltage display -preset & actual	yes
Cooling Fan with thermostatic protection	yes
MMA Hot Start	yes
240v Auxiliary Output for Water Cooler etc...	yes
Industrial Quality Metal Chassis	yes
Net Weight	45Kg
Dimensions (mm)	570x330x600

TIG401 – 415v

Output @ 60% duty cycle	400 amps
AC TIG Output	20-400 amps
DC TIG Output	20-400 amps
MMA Output	20-315 amps
AC Squarewave Balance Control	yes
AC Squarewave Frequency Control	20-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size	15 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	5-400 amps
Pulse Width Range	0.1–0.9 seconds
Pulse Frequency Range	0.5-25Hz
2T/4T (latching) trigger operation	yes
LED amperage/voltage display -preset & actual	yes
Cooling Fan with thermostatic protection	yes
MMA Hot Start	yes
240v Auxiliary Output for Water Cooler etc...	yes
Industrial Quality Metal Chassis	yes
Net Weight	48Kg
Dimensions (mm)	570x330x600



**WATER COOLER
AND
WELDING TROLLEY
AVAILABLE
see page 9**