

# TIG WELDERS AC/DC 415V

## Features

## 415V AC/DC TIG WELDERS

315 AMP

400 AMP

Class leading components and a wealth of advanced features make this range of welders the only serious choice for 415v TIG welding

Our complete package includes a 4M Air Cooled WP26 TIG Torch, Earth Lead, MMA Lead, Gas Hose, Mains Cable, Argon Regulator, Owners Manual and a Torch Consumables Kit

fully  
**INDUSTRIAL**  
SPECIFICATION MACHINES

built with  
**SIEMENS**  
POWER MODULES



**2 YEAR**  
**WARRANTY**

**PATENTED HF**  
**MICRO START**

prevents interference on  
electronic equipment

HF micro start enables easy arc ignition and prevents HF from causing interference with other localized electronic equipment. This a feature commonly found on more expensive machines.

**WELDS STEELS**  
**AND ALLOYS**

up to 15mm thick

Use the welder in DC mode for steels and AC mode for alloys. All three models also feature MMA (Arc) welding functionality too. These TIG welders will weld almost any metals\*

\* subject to usage of correct gas/rods and torch consumables

**USE WITH A**  
**FOOT PEDAL**

\*SOLD SEPERATELY

Foot pedals give you the ultimate in smooth power delivery and control. Weld from minimum amps up to any pre-set maximum of your choice. Ideal for intricate or complicated welds

**FULLY FEATURED**  
**PULSE WELDING**

adjust frequency, width  
and amperage

Fully featured pulse welding enables the adjustment of width, amperage and frequency, thus reducing heat deformation and providing greater control of the weld pool. Ideal for stainless steel applications.

**ADJUSTABLE**  
**AC SQUAREWAVE**  
**FREQUENCY**

for total weld pool control  
aids travel speed and  
reduces deformation

Adjustable between 20 to 250Hz this allows for quicker travel speed, improved penetration and provides a narrow weld seam. This feature is commonly found on more expensive TIG welders.

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



\*\* component specifications may change or vary from those shown

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[www.r-techwelding.co.uk](http://www.r-techwelding.co.uk)

# TECHNICAL SPECIFICATIONS

**315 AMP**



MODEL:TIG315

**400 AMP**



MODEL:TIG401

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	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

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

## TIG WELDER OPTIONS



### WATER COOLER

Powerful active water cooler designed for R-Tech TIG Welders. This model features a 7 litre tank and a large heat exchanger allowing cooling up to 600 Amps.



### HEAVY-DUTY TROLLEY

A heavy gauge, British-made steel trolley featuring two trays, side arms and heavy duty wheels. Ideally suited to our 415v range of TIG Welders



PROUDLY SUPPLYING



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