



AVAILABLE IN THREE AMPERAGES

TIG 161 **160 AMP**

TIG 201 **200 AMP**

TIG 251 **250 AMP**

THE UK'S HIGHEST AMPERAGE SINGLE-PHASE TIG WELDER

TIG WELDER – AC/DC 240v

Class leading, ultra-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 duty cycles
- Remote Foot Pedal Option

Applications

- Fabrication
- Aerospace
- Automotive Industry
- Marine Applications



Three top specification TIG welders – all sharing the same class leading technology – that's the **TIG161**, **TIG201** and **TIG251**

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 **TIG161 TIG Welder** requires a 240v (13a) input

The **TIG201 TIG Welder** requires a 240v (18a) input

The **TIG251 TIG Welder** requires a 240v (32a) 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.

The TIG 201 & 251 feature a two year warranty as standard
The TIG161 carries a one year warranty

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

TIG161 – 240v

Output @ 35% duty cycle	160 amps
AC TIG Output	20-160 amps
DC TIG Output	5-160 amps
MMA Output	5-120 amps
AC Squarewave Balance Control	Yes (30-70%)
AC Squarewave Frequency Control	50-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size	6.5 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	5-160 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	25Kg
Dimensions (mm)	515x220x395

TIG251 – 240v

Output @ 60% duty cycle	250 amps
Output @ 100% duty cycle	200 amps
AC TIG Output	20-250 amps
DC TIG Output	10-250 amps
MMA Output	10-200 amps
AC Squarewave Balance Control	Yes (30-70%)
AC Squarewave Frequency Control	20-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size	10 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	20-250 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	30Kg
Dimensions (mm)	570x330x600

TIG201 – 240v

Output @ 60% duty cycle	200 amps
AC TIG Output	20-200 amps
DC TIG Output	5-200 amps
MMA Output	5-160 amps
AC Squarewave Balance Control	Yes (30-70%)
AC Squarewave Frequency Control	20-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size	6.5 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	5-200 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	29Kg
Dimensions (mm)	515x220x395



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