

**weldmax**

**TIG WELDER  
400  
AC/DC**

Guarantees excellent  
welding dynamics and  
optimal arc ignition

[www.weldmax.com.au](http://www.weldmax.com.au)



# Key Features & Benefits



New inverter welding powersource designed for AC TIG of Aluminium and DC TIG welding of Steel and Stainless. HF (high frequency) or Lift-Arc ignition feature. MMA mode is also available. Thanks to the inverter technology and microprocessors, the welding process is controlled at all times, guaranteeing excellent welding dynamics and optimal arc ignition. The TIG welder series is equipped with a simple and intuitive control panel. With touchscreen technology, welding parameters can be set quickly and easily. With possibilities to set the machine using the two knobs on the panel. 3 user interface modes: Basic, intermediate, and advanced. Ability to memorise up to 99 programs.

In TIG mode the following functions are available:

- Slope up (from 0 to 10 seconds), Slope down (from 0 to 10 seconds), pre-gas (from 0 to 25 seconds) and post-gas (from 0 to 25 seconds)
- Synergic post-gas
- Possibility to set the initial and final current time
- Base current, current 2, initial and final current both in absolute value and in percentage with respect to the main current
- PULSED TIG ideal for welding on thin thicknesses (frequency adjustable from 0.1 to 5000 Hz), with adjustment of base and peak current and duty cycle throughout the frequency range.
- AC process with rounded square wave to reduce arc noise while preserving welding quality
- TIG MIX AC function, which allows you to alternate between AC time and DC time
- 'TACK' function, which allows joining two flaps with high penetration, speed, and precision as for the MMA mode, the adjustable parameters are the Hot Start and the Arc Force. There is also the VRD function required for use in high-risk environments. Possibility of remote adjustment by manual controls, by a foot pedal, or by Tig up-down torch.



# What's included in the box

## TIG WELDER 400 - TECHNICAL DETAILS

Input voltage (3ph)	400V - 50/60Hz	
	<b>TIG</b>	<b>MMA</b>
Maximum Power	17,5 KVA	17,5 KVA
No load output voltage $U_o$	63 V	63 V
Amp. min-max	5 ÷ 400 A	5 ÷ 400 A
Duty Cycle 40°	400A @ 45% 360A @ 60% 320A @ 100%	400A @ 45% 360A @ 60% 300A @ 100%
Pulse Frequency	0,1 ÷ 5000 Hz	-
AC Frequency	2 ÷ 200 Hz	-
Ø Electrode - MMA	1,6 ÷ 6 mm	
Ø Electrode - TIG	1,0 ÷ 5 mm	
Electrode Type	6011 - 6013 - 7018 Cast Iron - Aluminum - CrNi	
Insulation	H	
Protec. Degree	IP22S	
Machine (LxWxH)	650x320x530 mm	
Package (LxWxH)	840x390x630 mm	
Weight box/net	51,4 / 48,4 Kg	
MADE IN ITALY		



400 AC/DC TIG



Plasma Torch



Connector



Plug

- Weldmax Tig Welder 400
- 4mtr Tig Torch with Up/Down Amp control
- 4 Metre earth lead with spring clamp
- 3ph plug fitted
- Owner's manual
- 3 year warranty
- Lifetime product support



is all about high quality and lean manufacturing which is now a premium name in the welding industry – and you can be guaranteed that we care the most.

With the recent inverter additions and enhancements to the product line up, Weldmax now has products suited to a wide field of uses starting from welding in the garage to heavy boiler making and structural steel, stainless manufacturing, aluminium fabrication & boat building.

### USED IN MANY INDUSTRIES

Commercial kitchen fabrication	Outdoor furniture	Boat Building	Ship Building	Stainless Pipe Fabrication	General Metal Fabrication