

The TITANIUM 400 AC/DC is a high-performance TIG AC/DC generator (400 A to 60%) designed to offer a wide choice of welding processes (TIG AC, DC, MMA). It can be used to weld all types of materials; mild steel, stainless steel, aluminium, copper, titanium. Also ideal for welding thin gauge, its Pulse mode reduces heat input and provides better arc control. Intuitive and highly functional, its digital interface allows you to change welding parameters with ease.

## 6 TIG WELDING MODES

DC	<b>DC Standard:</b> smooth welding on the majority of ferrous materials.
	<b>DC Pulse:</b> allows welding while minimizing heat input (up to 2.5 kHz).
	<b>FastPulse:</b> pulses up to 20 kHz for specialised steel applications
AC	<b>AC Standard:</b> welding of aluminum and its alloys (Al, AlSi, AlMg, AlMn, etc).
	<b>AC Pulse:</b> precise penetration regulation, controllable by adjusting the AC pulse frequency (up to 500 Hz).
	<b>AC Mix:</b> alternates between AC and DC currents to increase welding speed.



Delivered without accessories

## TIG WIZARD SOLUTION

- **Patented synergic mode** for maximum productivity with welding and tacking of Aluminum, Steel, Stainless Steel and Copper parts, with or without the need for filler material.
- **5 types of assembly:** End to end (BW), Lap (FW), Interior angle (BP), Exterior angle and wire fusion.
- **Wizard Lab for the creation of bespoke welding cycles.**

## OPTIMIZED SETTINGS

- **4 spot modes:**
  - Spot / Multi Spot: traditional spotting before welding thin sheets.
  - Tack / Multi Tack: ultra-precise pointing without oxidation, reducing the risk of workpiece deformation.
- **3 types of arc ignition:** Standard Lift, High-Frequency (HF) and Touch.HF (timed high-frequency ignition).
- **3 triggering options:** 2T, 4T and 4T LOG
- **Configuration of AC waveforms enabling closer arc control and penetration.**
- **E-TIG mode guarantees** the machine to respect the selected welding parameters, regardless of the position of the torch in relation to the workpiece (welding energy control).



- 5-inch color interface; intuitive, multi-lingual and customizable.
- 3 user interface options: Easy, Expert and Advanced

## MAXIMUM CONNECTIVITY

- Accurately measures energy usage.
- Traceability of all welding seams, conforming to EN 3834 standard.
- Welding accessory calibration mode (improves the calculation of energy usage).
- Connectable for use with Robots via an optional kit (037960).
- User mode allows the option to share the product with several different operators.
- Free tool for interface customization is available online.
- Backup of user Jobs via USB key (500 max.) as well as machine configuration.
- Compatible with latch, double button, potentiometer and push-pull torches.
- New and revised welding synergies and software updates available by USB key.
- Remote control (pedal or remote option) connectable without tools.
- Liquid cooling unit optional (013537).
- MMA, MMA AC and Pulsed MMA modes (electrodes up to Ø 8 mm).

## ACCESSORIES (optional)

						
ABITIG L - 8 m 037359	ABITIG DB - 8 m 037366	WCU 1kW C 013537	Trolley 10m <sup>3</sup> L 075498	RC-HA1 - 10 m 045675	RC-FA1 - 4 m 045682	RC-HD2 062122

50/60Hz	A	I <sub>2</sub> TIG DC A	I <sub>2</sub> TIG AC A	I <sub>2</sub> MMA A	INTEGRATED TECHNOLOGY			TIG AC/DC EN 60974-1 (40°C)		MMA EN 60974-1 (40°C)		U <sub>0</sub> V	mm <sup>2</sup>	cm	kg	IP	Protected & compatible power generator (+/-15%)
					TIG DC PULSE	TIG AC PULSE	MMA PULSE	IA (60%)	100%	IA (60%)	100%						
400 V - 3~	32	3 → 400	5 → 400	5 → 400	0.1 → 2.5 kHz	0.1 → 500 Hz	0.4 → 20 Hz	400 A	360 A	400 A	360 A	85	70/95	71 x 27 x 48	40	IP 23	30 kW