

THE CRUXWELD TIG WELDING SYSTEM THAT MAKES NO COMPROMISES

Whether you are welding aluminum, stainless steel, or other metals, the Cruxweld TIG welding system delivers the power and flexibility you need.



iTIG400ACDC

TIG 400 AC/DC PULSE - aluminium welding in perfection

The iTIG400ACDC is a high-performance TIG AC/DC generator (400A) 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.

Whether you

- Are working on steel, stainless steel, nickel and nickel alloys, titanium, copper or aluminium (AC / DC)
- Thin or thick materials,
- Use standard or special gases

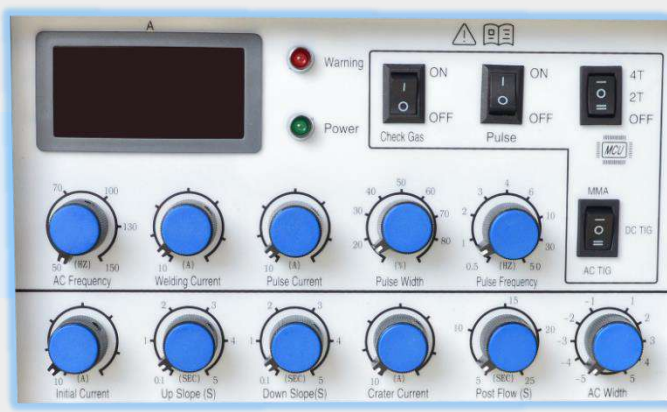
The precise match of high-performance components guarantees superb ignition and welding properties, giving reproducible quality at any time.



- **Pulsing** can increase puddle agitation, arc stability and travel speeds while reducing heat input and distortion.
- **Exceptionally smooth** and precise arc for welding exotic materials.
- **Frequency** controls the width of the arc cone and can improve directional control of the arc.
- **Balance** control provides adjustable oxide removal which is essential for creating the highest quality aluminium welds.
- **Independent amplitude/amperage** control allows EP and EN amperages to be set independently to precisely control heat input to the work and electrode.
- **Arc Force** adaptive control provides positive arc starts without sticking.
- **Advanced squarewave**, fast freezing puddle, deep penetration and fast travel speeds.
- **Soft squarewave** for a soft buttery arc with maximum puddle control and good wetting action.
- **Sine wave** for customers that like a traditional arc. Quiet with good wetting.
- **Switching frequency** is beyond audio frequency, which almost eliminates noise pollution.

Top quality for every weld and every material

With its AC/DC capability, adjustable amperage, pulse welding, high-frequency start, digital display, AC balance control and gas flow control, this welding system offers a comprehensive range of functionalities to meet your welding needs.



Quick Specs

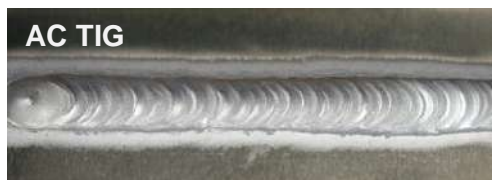
TIG/MMA
AC/DC
Pre/Post Flow Time
Up/Down Slope
Arc Force
Hot Start
Pulse Duty
Pulse Frequency
Clean Area Width

Technical Parameters	iTIG400ACDC
Input voltage, VAC	AC415±15%, 3-Ph, 50/60Hz
Power capacity, kVA	12.5
Rated input peak current, A	30
Rated output voltage, V	26
No-load voltage, V	68
Setting range (TIG), A	10-400
Setting range (MMA), A	20-400
Arc force current range, A	0-100
Spot welding time, S	0.5-10
Pre-flow time, S	0-1
Post-flow time, S	1-10
Up-slop time, S	0-10
Down-slop time, S	0-10
Pulse frequency, Hz	0.5-300
Pulse duty ratio, %	10-90
Clean-up width, %	20-80
Base current, %	20-90
Remote control	Yes
Arc start	HF start
Efficiency, %	85
Power factor, cosφ	0.93
Insulation grade	H
Enclosure protection class	IP23
Torch cooling	Water
Dimensions (LxWxH), mm	560x360x485
Weight, kg	56

What's included: iTIG400ACDC welder, CT-40W water cooled TIG torch 13ft, electrode holder 10 ft, earth clamp 10 ft, gas hose, argon regulator, flow meter, user manual.

Additional TIG accessories: 3 collets, 1 collet Body, 3 alumina ceramic cup, 1 long back cap, 1 short back cap.

Technology that thinks!
Perform a wide range of tasks with one unit



AC TIG



DC TIG