

Perfect Welding/ DC or AC/DC TIG,Pulse TIG and MMA welding method/
High efficiency/ Energy-saving



GTAW-220CT/300CT/220P/300P

The advanced welding control system with high reliability circuits

PULSE

High Efficiency

Energy Saving

INVERTER
REVOLUTION

ADVANCED INVERTER CONTROL TECHNOLOGY. HIGH RELIABILITY CIRCUITS DC or AC/DC TIG,PULSE TIG AND MMA OR STICK WELDING METHOD.

- Use powerful IGBT switches and advanced inverter control technology.
- Use Microcomputer, PWM control technology and Constant Current (CC) output control.
- DC or AC/DC TIG,Pulse TIG and MMA or STICK welding process method.Special design of the circuit and structure of the welding power sources.
- Excellent arc characteristics,good welding performance and little spatter.
- Strong ability of the anti-fluctuating of power supply voltage.
- Under longer welding cable,this Machine can weld.
- Minimizing,lightness,it can be moved easily,and energy savings up to 30%.
- With auto protection functions of over current and over-heat.
- Be able to weld all kinds of metal,for example,carbon steel,stainless steel,alloy steel, Aluminium (AC TIG) ,etc.



GTAW

TIG(Tungsten Inert Gas) welding or Gas-Shielded Tungsten Arc Welding (GTAW) is a process, which uses a non-consumable solid tungsten electrode. The electrode, the arc and the area surrounding the molten weld puddle are protected from the atmosphere by an inert gas shield. If a filler metal is necessary, it is added to the leading edge of the molten puddle.

Tig welding produces exceptionally clean, high quality welds. As no slag is produced, the chance of slag inclusions in the weld metal is eliminated and the finished weld requires virtually no cleaning. TIG welding may be used for welding almost all metals and the process lends itself to both manual and automatic operation. TIG welding is most extensively used for welding aluminium and stainless steel alloys where weld integrity is of the utmost importance. It is widely used for high quality joints in the nuclear, chemical, aircraft and food industries.

THE BENEFITS OF THE GTAW-220CT/300CT/220P/300P



COST SAVINGS



- / Inverter and MCU control system
- / High efficiency
- / Energy-saving
- / Long life of parts

SAFETY



- / Compliance with the IEC 60974-1 standard
- / Compatibility with Industry 4.0

SERVICE



- / Quick support
- / Customized services



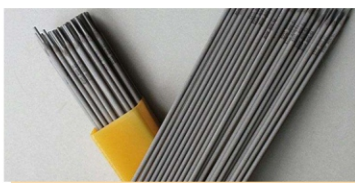
WELDING CONTROL AND DISPLAY

- / Simple operation
- / Easy to use



WELDING METHOD

- / DC or AC/DC TIG, Pulse TIG and MMA or STICK Welding



RANGE OF TUNGSTEN AND WELDING ELECTRODE DIAMETER

- / 1.0, 2.0, 2.5, 3.2mm Tungsten diameter.
- / 1.6, 2.0, 2.5, 3.2, 4.0 and 5.0mm Welding electrode diameter.

TECHNICAL DATA



	GTAW-220CT	GTAW-300CT	GTAW-220P	GTAW-350P
Input voltage	1 Phase,AC240V±15%	3 Phase,AC415V±15%	1 Phase,AC240V±15%	3 Phase,AC415V±15%
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Input Power	4.9KVA	7.8KVA	4.9KVA	9.9KVA
Output current	10~220A	(TIG)10~300A/(MMA)20~240A	20~220A	25~350A
Output voltage	18.8V	(TIG)22V/(MMA)29.6V	18.8V	24V
Rated Duty cycle	60%	60%	60%	60%
Tungsten diameter	1.6~2.4mm	1.6~3.2mm	1.6~2.4mm	1.6~3.2mm
Class of Insulation	H	H	F	F
Degrees of Protection	IP21S	IP21S	IP21S	IP21S
Weight	12Kg	10.2Kg	21Kg	21Kg
Size	465x275x465mm	480x200x350mm	550x270x440mm	550x270x440mm
Welding Method	Pulse TIG Cold TIG Spot Welding	Cold TIG TIG MMA Welding	AC TIG/DC TIG/AC+DC TIG Pulse TIG MMA Welding Spot Welding	AC TIG/DC TIG/AC+DC TIG Pulse TIG MMA Welding Spot Welding

ACCESSORIES

- a) TIG Torch
- b) Electrode holder
- c) earth clamp
- d) welding cable
- e) brush/hammer
- f) protective mask



GTAW-220CT/300CT/220P/300P

IGBT Inverter DC or AC/DC TIG,Pulse TIG and MMA or STICK Welding Machines

GTAW-220CT/300CT/220P/300P welding machines are a constant current (CC) output power source especially designed for DC or AC/DC TIG,Pulse TIG and MMA or STICK welding.

GTAW-220CT/300CT/220P/300P should be selected for very demanding applications such as stainless steel, Aluminium (AC TIG) and carbon steel metal welding. Typical areas of use are, steel constructions and maintenance, general machine construction, family and industry maintenance. These welding machines are also a very good choice for stainless steel, carbon steel and alloy steel DC or AC/DC TIG,Pulse TIG and MMA or STICK welding.

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