

Perfect Welding/ MMA,DC TIG,MIG and MAG welding method/High efficiency/ Energy-saving

# WELD

WORK HERE. SPARKS FLY.



**CUT 45**  
**MIG 200I/205DI**  
**TIG 200A/200CT**  
**MMA 1600/2000/2500**

The advanced welding or cutting control system with high reliability circuits

PULSE

High Efficiency

Energy Saving

INVERTER  
REVOLUTION

# ADVANCED INVERTER CONTROL TECHNOLOGY. HIGH RELIABILITY CIRCUITS

DC TIG AND MMA OR STICK WELDING METHOD (TIG 200A) .

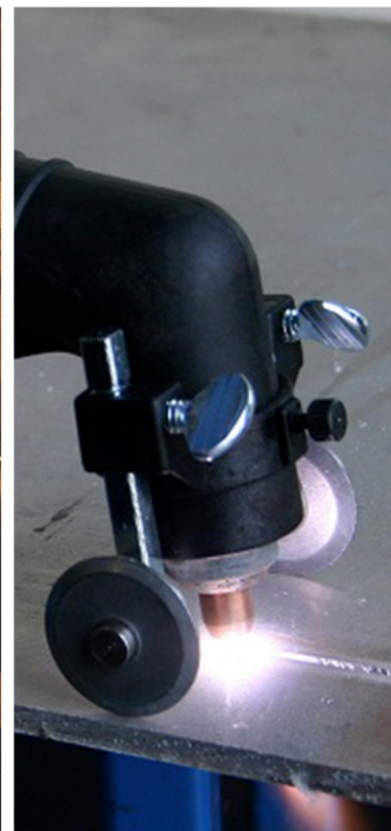
DC TIG,COLD TIG AND MMA OR STICK WELDING METHOD (TIG 200CT) .

MIG/MAG,TIG AND MMA OR STICK WELDING METHOD (MIG 200I) .

MIG/MAG AND MMA OR STICK WELDING METHOD (MIG 205DI) .

AIR PLASMA ARC CUTTING METHOD (CUT-45).

- Use powerful IGBT switches and advanced inverter control technology.
- Use Microcomputer, PWM control technology and Constant Current (CC) output control.
- For MMA 1600/2000/2500,MMA or STICK welding method.For TIG 200A,DC TIG and MMA or STICK welding method.For TIG 200CT,DC TIG,COLD TIG and MMA or STICK welding method.For MIG 200I, MIG/MAG,TIG and MMA or STICK welding method.For MIG 205DI,MIG/MAG and MMA or STICK welding method.Special design of the circuit and structure of the welding power sources.
- Air Plasma Arc Cutting Method for CUT-45 cutting machine.
- 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 or cut all kinds of metal,for example,carbon steel,stainless steel,alloy steel, Aluminium (AC TIG) ,etc.



# THE BENEFITS OF THE MMA/TIG/MIG/MAG WELDING AND CUTTING MACHINES



## 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

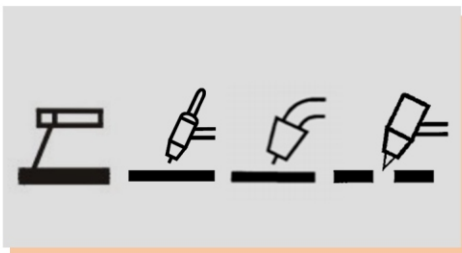


- / Quick support
- / Customized services



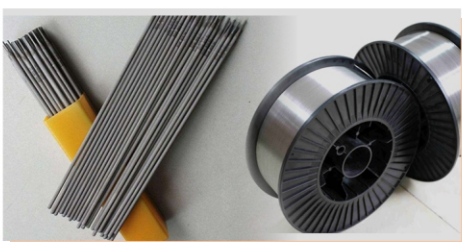
## WELDING OR CUTTING CONTROL AND DISPLAY

- / Simple operation
- / Easy to use



## WELDING AND CUTTING METHODS

- / MMA or Stick Welding
- / DC TIG, COLD or Pulse TIG Welding
- / MIG, MAG, No gas shielded Flux wire Welding
- / Plasma Arc Cutting



## RANGE OF TUNGSTEN, WIRE AND WELDING ELECTRODE DIAMETER

- / 1.0, 2.0, 2.4mm Tungsten diameter.
- / 0.6, 0.8, 1.0mm Welding Wire diameter.
- / 1.6, 2.0, 2.5, 3.2, 4.0 and 5.0mm Welding electrode diameter.

## TECHNICAL DATA



	MMA 1600	MMA 2000	MMA 2500	CUT 45
Input voltage	1 phase AC240V±15%	1 phase AC240V±15%	1 phase AC240V±15%	1 phase AC240V±15%
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Input Power	5.0KVA	6.6KVA	8.8KVA	5.2KVA
Output current	20~160A	20~200A	20~250A	15~45A
Output voltage	26.4V	28V	30V	98V
Rated Duty cycle	60%	60%	60%	60%
Electrode diameter	1.6~3.2mm	1.6~4.0mm	1.6~5.0mm	/
Class of Insulation	H	H	H	H
Degrees of Protection	IP21S	IP21S	IP21S	IP21S
Weight	4.7Kg	6.4Kg	8.7Kg	5.5Kg
Size	320x230x270mm	400x235x290mm	450x240x350mm	360x165x295mm
Welding or Cutting Method	MMA or Stick	MMA or Stick	MMA or Stick	AIR Plasma ARC Cutting



	TIG 200CT	TIG 200A	MIG 205DI	MIG 200I
Input voltage	1 Phase,AC240V±15%	1 Phase,AC240V±15%	1 Phase,AC240V±15%	1 Phase,AC240V±15%
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Input Power	5.0KVA	5.0KVA	6.8KVA	5.6KVA
Output current	20~160A	10~200A	40~205A	30~200A
Output voltage	26.4V	18V	28.2V	24V
Rated Duty cycle	60%	60%	60%	60%
Electrode diameter	1.6~2.4mm	1.6~2.4mm	0.8~1.0mm	0.6~1.0mm
Class of Insulation	H	F	H	H
Degrees of Protection	IP21S	IP21S	IP21S	IP21S
Weight	5.8Kg	12.3Kg	10.1Kg	10.1Kg
Size	360x165x295mm	455x275x465mm	475x255x335mm	475x255x335mm
Welding Method	COLD (PULSE TIG)/HF TIG/MMA or Stick	HF TIG/MMA or Stick	MIG and MAG/MMA or Stick	MIG and MAG/LIFT TIG/MMA or Stick

\*HF TIG: High Frequency Arc Starting TIG. LIFT TIG: Lift Arc Starting TIG.

## ACCESSORIES

MIG/MAG Gun or TIG Torch, or Cutting Torch, or Electrode Holder, Earth Clamp, Welding Cable, Brush/Hammer, Protective Mask.

**MMA 1600/2000/2500** welding machines are a constant current (CC) output power source especially designed for MMA or STICK welding. **TIG 200A** welding machine is a constant current (CC) output power source especially designed for DC TIG and MMA or STICK welding. **TIG 200CT** welding machine is a constant current (CC) output power source especially designed for DC TIG, COLD TIG and MMA or STICK welding. **MIG 200I** welding machine is a constant current (CC) and constant voltage (CV) output power source especially designed for MIG/MAG, TIG and MMA or STICK welding. **MIG 205DI** welding machine is a constant current (CC) and constant voltage (CV) output power source especially designed for MIG/MAG and MMA or STICK welding. **CUT 45** cutting machine is a constant current (CC) output power source especially designed for Air Plasma Arc cutting. Special design of the circuit and structure of the welding power sources.

These welding machines should be selected for very demanding applications such as stainless steel and carbon steel metal welding. Typical areas of use are, steel constructions and maintenance, general machine construction, family and industry maintenance.

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