



**Wenzhou Tosense Welding Equipment Manufacture Co., Ltd. is a specialized enterprise integrating R&D, manufacture, sales, and after-sales service. We specialize in manufacturing TIG (GTAW) Welding Machines, Inverter DC Plasma Cutters, MIG (GMAW) Welding Machines, TIG (GTAW) Welding Machines, ARC(SMAW) Welding Machines, Multi-function Welding Machines, IGBT Welding Inverter DC Air Plasma Cutting Machinery, Welding Accessories, and Auto-Darkening Welding Helmets. To reply to the global financial crisis, we contribute ourselves to the development of China's welding industry.welder welding equipment welding mask welding machine welding**

**Technology Integration:**

**One technical group**

**Two major sales groups:International business team and home business team**

**Three factories: Inverter DC Welder Factory; Auto-Darkening Welding Helmet Factory; Welder Fittings Processing Factory.**

**Brand Integration:**

**Our company owns three major brand series: Tosense brand, Tosenba brand, and Tongsen brand.**

**Market Integration:**

**We set up Shanghai Tongsen Welder Branch and have branches in Beijing, Guangzhou, Jilin, and Yunnan. We also have dozens of agents.**

**Others:**

**Our company owns a building area of 600 square meters and a manufacturing workshop of 2200 square meters. We own a complete set of advanced inspection equipment.**

**Life Guarantee: 2 YEARS**

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## INVERTER DC PLASMA CUTTER

Advanced inverter technology, low cutting frequency

With arc maintenance device, it can cut straightly

Touch and untouched arc initiation

Stable arc long working time

220V single phase or 110/220V dual voltage input. CUT80 with 380V 3 phase



Model No	CUT-50	CUT-60	CUT-80
Primary Input Voltage	110 220V 1Phase	220/380V 3Phase	220/380V 3Phase
Welding Current	10-50Amps	10-60Amps	10-80Amps
Power Factor	0.93	0.93	0.93
Insulation Class	F	F	F
Protection Class	Lp21	Lp21	Lp21
Welding Thickness	1-12mm	1-18mm	1-30mm
Duty Cycle	60%~80%	60%~80%	60%~80%
Weight	12kgs	18kgs	20kgs
Dimensions	370*160*240m m	400*250*300m m	400*240*300m m

**INVERTER DC PLASMA CUTTER WITH PILOT ARC**

- Advanced inverter technology,low cutting frequency with PILOT ARC
- With arc maintenance device,it can cut straightly
- Un-touch cutting
- Stable arc long working time
- 220V single phase or 110/220V dual voltage input.CUT80/100P with 380V 3 phase



Model	CUT50P	CUT60P	CUT80P	CUT100P
Input power voltage(V,Hz)	1-phases AC110/220 50/60	3phases AC220/ 380 50/60	3phases AC220/ 380 50/60	3phases AC220/ 380 50/60
Rate input power capacity(KVA)	10	10	10	25
Current range(A)	20-50	20-60	20-80	20-100
Rate output voltage(V)	104	104	104	120
Welding Thickness(mm)	1-14	1-20	1-30	1-40
No-load loss(W)	50	50	50	50
Power factor	0.85	0.85	0.85	0.85
Arc-starting	Un-touch	Un-touch	Un-touch	Un-touch
Weight(KG)	13	15	20	30
Dimension(cm)	37×16×24	40x25x30	44x30x35	48x30x46
Insulation class	F	F	F	F
protection class	Ip21	Ip21	Lp21	Lp21

**INVERTER DC ARC WELDING MACHINE**

- Comparing to other series,it is so small size
- Light and portable with handle on the machine which allow you to carry it
- Easy to operation(welding rod :2-3.2mm),welding holder and earth clamp ready
- MOSFET technology and Brand:high frequency MOSFET(Toshiba or Fuji)



Model	ARC200	ARC230	ARC400
Input power voltage(V)	AC220 ±10%	AC220 ±10%	AC220 ±10%
Rate input power capacity(K VA)	7	10	18.5
Output current range(A)	10-200	10-230	20-400
Rated output voltage(V)	28	30	36
Efficiency (%)	85%	85%	85%
Weight(KG)	12	18	45
Welding Thickness(mm)	0.8-3	0.8-4	2-10
Duty Cycle (%)	60%	60%	60%
Diameter of rod(mm)	1.6-3.2	1.6-3.5	1.6-5
Dimensions(mm)	370*150*240	370*150*240	565*300*450

**INVERTER DC ARC WELDING MACHINE IGBT**

- High output current and efficiency
- Automatic voltage compensation capability
- Stable current,high welding quality
- Designed for demanding industrial environments
- IGBT technology and Brand:high frequency IGBT



Model	ZX7-200	ZX7-400
Input power voltage(V)	AC220+/_15%	AC380+/_15%
Frequency(HZ)	50/60	50/60
Output current rang(A)	10-200	20-400
Efficiency (%)	85%	85%
Weight(KG)	4.7	45
Overall dimension(mm)	270*120*180	600*325*590
Duty cycle (%)	60%	60%
Welding thickness(mm)	0.8-3	2-10

**INVERTER DC TIG WELDING MACHINE**

- Touch and untouched arc initiation
- Stable arc,long working time
- Weld mild steel,stainless
- Energy-saving,all accessories
- Easy for carrying,operation and controlling
- MOSFET technology and Brand:high frequency MOSFET(Toshiba or Fuji)



Model	TIG200	TIG230	TIG315
Input Voltage	110/220V	110/220V	240V
Welding current	10-200A	10-230A	20-315A
Duty cycle	60%	60%	60%
Welding thickness	0.8-3mm	0.8-4mm	1-12mm
Weight	12kgs	19kgs	32kgs
Dimension	370*185*240mm	480*240*460mm	480*240*460mm
Efficiency	85%	85%	85%

## INVERTER DC TIG/SPOT WELDING MACHINE

- Simple structure
- Good process,110/220/380V,1/3 phases ready
- Reliable and durable
- Easy for maintenance



Model	WS200	WS230	WS315
Power supply voltage	AC 220±10% V / 50~60 Hz	AC 220±10% V / 50~60 Hz	AC220V AC380V
Power supply capacity	5.5KVA	6.0KVA	7.5KVA
Rated output current (ARC)	155A	175A	255A
No-load voltage	56V	56V	75V
Output current range (ARC)	5-155 A	5-175 A	10-255A
Output current range (TIG)	10-200 A	10-230A	20-315A

## INVERTER DC MIG WELDING MACHINE

---Heavy duty cycle which ensures continuous and discontinuous welding

---wire feeder inside,suitable for 0.8~1.2mm

---little welding spatter which so little harm to you



MODEL	MIG210	MIG250	MIG300
Power supply voltage	Single Phase 220V+/-10%		
Input current	26	29	33
No-load voltage	220V	220V	220V
Current range	20-210A	20-250A	20-300A
Duty cycle (%)	60	60	60
Feeding Speed	2.5-13	2.5-13	2.5-13
Power factor	0.93	0.93	0.93
Protection class	IP21	IP21	IP21
Insulation class	F	F	F
Efficiency	85%	85%	85%
Welding thickness	0.8-3MM	0.8-4.5MM	0.8-6MM
Weight(kg)	44	44	44

## INVERTER DC MIG WELDING MACHINE

---Heavy duty cycle which ensures continuous and discontinuous welding

---Wire feeder outside,suitable fir 2-12mm

---Big amp welding machine which can meet industrial requirements



Model	NBC350	NBC400	NBC500	NBC630
Input Voltage(V)	AC220/380/440V±15% 50/60HZ	AC220/380/440V±15% 50/60HZ	AC220/380/440V±15% 50/60HZ	AC220/380/440V±15% 50/60HZ
Output current Range(A)	50-350	50-400	65-500	80-630
Rated input Capacity(KVA)	18	20	25	34.6
Rated output voltage (V)	10-30	12-33	16-39	13-50
Feeding speed(m/min)	1-11	1.5-12	2.5-13	3-15
welding wire diameter(mm)	0.8-1	0.8-1.2	0.8-1.6	1.0-2.0
Efficiency(%)	89	89	89	89
Weight(kgs)	70	70	70	70

## INVERTER AC DC PULSE TIG/ARC WELDING MACHINE

- Suitable for welding of various metallic materials such as aluminum aluminum alloy,carbon steel,stainless steel,copper,titanium,etc.
- Quality square wave power supply,stable arc,HF arc stabilization not necessary
- Foot pedal controller connection facilitates welder's operation



Model	WSME-160	WSME-200	WSME-315	WSME-400
Rated Input Voltage(V)	220±10%	220±10%	380±10%	380±10%
Rated Input Current(A)	16	11	14	17
Rated Input Capacity	3.6	5.5	9.2	11.2
Rated Load Voltage(V)	15.6	18	22.6	26
Output Current(A)	8-100	10-200	10-315	10-400
Rated Duty Cycle	60%			
Pulse Rate	20-80			
Post Flow Time(s)	2-10			
Weight(kg)	15	25	34	40
Dimensions(mm)	370×210×440	570×360×600	570×360×600	570×360×600

**INVERTER DC TIG/ARC/CUT WELDING MACHINE**

- Economical for you to buy a machine with 3 functions
- Easy to use,when you need TIG(ARC,CUT),you just need turn the button to TIG(ARC,CUT).
- Although it is combined with three functions,don't hesitate during
- operation,each of them can offer the good performance
- Suit for cut kind of metal,such as:stainless steel,copper,iron,alloy etc.

110/220 double input voltage



<b>TYPE</b>	<b>CT520/520TSC/520TSCP/SMART520</b>		
<b>Input voltage</b>	<b>AC 220±10% 50~60Hz</b>		
<b>Input Power Capacitance</b>	<b>7.5 kva</b>		
<b>No-load loss(W)</b>	<b>40</b>		
<b>Duty cycle(%)</b>	<b>60</b>		
<b>Power factor</b>	<b>0.93</b>		
<b>Efficiency (%)</b>	<b>85</b>		
<b>Insulation class</b>	<b>B</b>		
<b>Protection class</b>	<b>IP21</b>		
<b>Weight (Kg)</b>	<b>13</b>		
<b>Size (mm)</b>	<b>520X250x515/290×160×240/520x250x515/520x250x515</b>		
	<b>TIG</b>	<b>MMA</b>	<b>CUT</b>
<b>Input current(A)</b>	<b>18</b>	<b>26</b>	<b>30</b>
<b>Current range</b>	<b>15-200</b>	<b>15-170</b>	<b>20-50</b>
<b>No –load voltage(V)</b>	<b>62</b>	<b>62</b>	<b>250</b>
<b>Air Pressure(Mpa)</b>	<b>-</b>	<b>-</b>	<b>0.5</b>
<b>Cut thickness(mm)</b>	<b>-</b>	<b>-</b>	<b>1-12.</b>

**INVERTER AC DC PULSE TIG/ARC/CUT WELDING MACHINE**

- Can welding All Types of Metal including Stainless Steel,Copper & Aluminum
- Adjustable impulse current and frequency apply in many fields for weld craft
- Digital Amperage Display Readout & Air Pressure
- The first one to named super-p,slove the Plasma cutter problem firstly, and foot pedal control good



<b>Model</b>	<b>SUPER200P</b>		
<b>Power voltage (V)</b>	<b>220/110V</b>		
<b>Cutting thickness (mm)</b>	<b>1-15</b>		
<b>Weight (kg)</b>	<b>35KG</b>		
<b>Power factor</b>	<b>0.93</b>		
<b>Duty Cycle (%)</b>	<b>60</b>		
<b>Dimensions (mm)</b>	<b>620*430*500</b>		
<b>Protection Class</b>	<b>IP21</b>		
<b>Insulation Class</b>	<b>F</b>		
<b>Efficiency (%)</b>	<b>85</b>		
	<b>MMA</b>	<b>TIG</b>	<b>CUT</b>
<b>Rated input capacity (kva)</b>	<b>4.2</b>	<b>5.6</b>	<b>6.1</b>
<b>Supply Voltage (V)</b>	<b>27.2</b>	<b>18</b>	<b>96</b>
<b>Current Adjustable Range (A)</b>	<b>10-200</b>	<b>10-200</b>	<b>15-50</b>
<b>Rated output current (A)</b>	<b>200</b>	<b>200</b>	<b>50</b>
<b>Output No-load Voltage (V)</b>	<b>62</b>	<b>62</b>	<b>210</b>