



SKILL WELD
(INDIA) PVT. LTD.

WELDING & CUTTING EQUIPMENTS

Applied Welding Solutions

**The POWER
of Power Saver**

Your
Welding
Partner !

Superior Welding Quality with more than 60 % Power saving

Inverter Technology converts primary AC input into DC by full-wave rectifier. Using a high speed electronic switch, the DC voltage is converted to high frequency AC output. The output is rectified and filtered to produce smooth, low ripple DC welding output. One of the benefits of inverter technology is to reduce the size and weight of the transformer up to 75% and provide energy saving more than 60% over conventional power supply.

www.skillweldindia.com



SKILL WELD (INDIA) PVT. LTD. is leading Indian manufacturing of welding and cutting equipments since 1998 under the Indian companies Act 1956 in Mumbai.

Thanks to market observation we always are working to satisfy our customers. We are proceeding technology innovation to a make high quality welding machine with creation spirit and making every effort to competing with others in the markets. Our company is the professional manufacturer in the field of welding and cutting machines. Our commitment is total to make your welding and cutting operations successful and profitable. Let's start our partnership today. Our eyes are on tomorrow searching for new and better ways to serve you, monitoring advanced equipments takes a term of skilled workers who know how to keep it up and running.

Our mission is to constantly advance the science of welding and cutting to deliver better customer solutions with new innovative products. Over the past few years Skill Weld have established in the Indian market and thousands of customers are using skill-weld products in varying conditions across India and abroad, catering to Government, Semi-Government organisations. Our priorities are customer service, technical advice personal formation and after sales.

Get your hands on [Power of Power Saver FOR BETTER QUALITY WARRANTY SUPPORT.](#)

QUALITY CONTROL : Skill Weld equipments ate designed for uncompromising quality and performance. At Skill Weld quality means product with job-tested performance and reliability. We have tested again and again during production. That's the Quality Assurance.

MZ SERIES

Inverter Submerged ARC Welding Machine

MZ630 / MZ1000 / MZ1250

FEATURES

1. The power supply can be used for submerged arc welding, MMA welding, air carbon arc gouging.
2. New design and specific processing treatment for special environment, greatly increase the reliability of welder, suitable for various working environment.
3. Adopts up to date and the most advanced control principle and each technical index reaches class A grade.
4. Excellent welding performance, deep molten pool, high intensity good appearance.
5. Widely applied for automatic welding of various carbon steel, alloy steel, stainless steel pressure vessel.
6. Built in over heat, over current, over voltage and low voltage protection circuit, operating safely.



TECHNICAL SPECIFICATIONS

Parameter \ Model	MZ630	MZ1000	MZ1250
Input Voltage (V)	AC380V±15%	AC380V±15%	AC380V±15%
Frequency (HZ)	50/60	50/60	50/60
Rated Input (A)	53.1	84.3	105
No-load Voltage (V)	72	72	80
Output Current Range (A)	50-630	112-1000	112-1250
Rated Output Voltage (V)	44	44	44
Arc Force Current Range (A)	0-100	0-100	0-100
Duty Cycle (%)	60	60	60
No-load Loss (W)	300	300	300
Efficiency (%)	85	85	85
Power Factor	0.93	0.93	0.93
Insulation Grade	F	F	F
Housing Protection Grade	IP21	IP21	IP21
Net Weight (kg)	54	85	98
Dimension (mm)	670x337x617	760x380x820	760x380x820

Inverter Semi-Automatic MIG/MAG Welding Machine

MIG 250F / MIG 400IJ / MIG 500I / MIG 630I

FEATURES

1. Has unique output characteristic, very stable metal transfer, less spatter, good appearance and excellent welded seam.
2. Advanced electric circuit design, less switch loss, less IGBT heating, increase greatly the efficiency of the welder and duty cycle.
3. Light and handy, high efficiency, energy saving, higher inverter frequency decrease the power loss, electric power saving is remarkable.
4. Welding current, voltage adjust steplessly, can meet the requirement of different welding process.
5. Simple and advanced circuit design, welder performance reliable and easy to maintain, has perfect function to realize automatic welding easily.
6. With quick protection circuit for over current, protect IGBT against break down effectively, suitable for continuous work.
7. Mainly applied for welding carbon steel, low alloy steel, stainless steel etc. in various welding position. The welder rated current more than 350A is suitable for welding in shipbuilding, car, bridge and steel structure etc. Industries



TECHNICAL SPECIFICATIONS

Parameter \ Model	MIG250F	MIG400IJ	MIG500I	MIG630I
Input Voltage (V)	AC380V \pm 15%	AC380V \pm 15%	AC380V \pm 15%	AC380V \pm 15%
Frequency (Hz)	50/60	50/60	50/60	50/60
Rated Input Current (A)	12.7	21.1	37.5	55
Output Current Range (A)	50-250	50-350	80-500	100-630
Rated Output Voltage (V)	16.5 - 26.5	16.5 - 31.5	16.5 - 50	16.5 - 50
Duty Cycle (%)	60	60	60	60
Power Factor	0.93	0.93	0.93	0.93
Efficiency (%)	85	85	85	85
Type of Wire Feeder	Separated	Separated	Separated	Separated
Wire-feeding Speed (m/min)	2.5 -13	3-15	3-15	3-15
Welding-wire Diameter (mm)	0.8/1.0	0.8/1.0/1.2	1.0/1.2/1.6	1.0/1.2/1.6
Housing Protection Grade	IP21	IP21	IP21	F
Insulation Grade	F	F	F	IP21
Applicable Plate Thickness (mm)	0.8 above	1.0 above	1.2 above	1.2 above
Net Weight (kg)	18	28	42	45
Dimension (mm)	505x203x375	515x263x440	685x302x660	685x302x660

Note :

- In accordance with Skill Weld's continued improvement, designs and/or specifications subject to change without prior notice .
- We invite you to comment and welcome any suggestions you may have on areas of service and quality you feel you would like to see improved.



Inverter MMA Welding Machine

ARC 200T / ARC 250 / ARC 400G / ARC 400I / ARC 500G / ARC 500I / ARC 630I

FEATURES

Fine made of imported IGBT module with the most advanced inverter technique ; inverter frequency 20kHz, dynamic response is quicker; perfect function, excellent performance, very high reliability; can meet the high quality welding requirement of engineering, is the reliable welding machine of the user.

1. High duty cycle, high welding power allowance, can weld continuously, welding stable even the working cable to 100m.
2. Has the auto-compensation function to mains voltage fluctuation, powerful ability in anti-fluctuation of mains, welding current stable and reliable.
3. Has arc dig function, good arc stability, even molten pool, less spatter, satisfactory weld appearance; the electrode will not be stuck no matter low or high current.
4. Can use cellulose electrode for downward welding, also suitable for various kinds of electrode, especially use basic electrode for welding low, medium carbon steel, low alloy steel, stainless steel etc.
5. The welder rated current more than 500A can also be used for carbon arc air gouging, means multipurpose.
6. Widely applied for welding petrol pipeline, chemical engineering, car, shipbuilding, boiler, electric construction, nuclear electric, space flight, military project, engineering installation, bridge building and field work.
7. ARC-400I model is especially suitable for electric construction industry.



TECHNICAL SPECIFICATIONS

Parameter \ Model	ARC200T	ARC250	ARC400G	ARC400I	ARC500G	ARC500I	ARC630I
Input Voltage (V)	AC220V±15%	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%
Frequency (HZ)	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Rated Input Current (A)	43.6	14.4	27.6	27.6	27.6	38.4	53.1
No-load Voltage (V)	59	60	68	68	68	80	72
Output Current Range (A)	30-200	30-250	40-400	40-400	40-500	40-500	50-630
Rated Output Voltage (V)	28	30	36	36	40	40	44
Duty Cycle (%)	60	60	60	60	60	60	60
No-load Loss (W)	40	60	80	100	80	150	200
Efficiency (%)	80	85	85	85	85	85	85
Power Factor	0.73	0.93	0.93	0.93	0.93	0.93	0.93
Insulation Grade	F	F	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21	IP21	IP21
Net Weight (kg)	8	17.5	22	38	22	40	54
Dimension (mm)	375x155x232	480x204x303	515x262x468	565x286x432	515x262x468	650x300x615	670x337x670

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Inverter TIG/MMA Welding Machine

TIG 200A / TIG 250A / TIG 400D / TIG 400IJ

FEATURES

1. Adopts MOSFET/IGBT inverter technique, advanced design of electronic circuit, light and handy power supply, economy and energy saving. Welding current digital display, read directly and reliable.
2. Has the auto-compensation function to mains voltage fluctuation, powerful ability in anti-fluctuation of mains.
3. Adopts advanced inverter technique. Multi-fuction is suitable for TIG welding and MMA welding of various metals.
4. Easy to arc initiating, stable welding current, fast dynamic response speed, no noise while welding, less spatter, no magnetic blow and good weld appearance.
5. Has the advantages of working reliable and steady, economy and energy saving, small volume, lightweight and easy to carry.
6. Applicable to welding of all black metals such as low carbon steel, mild carbon steel, and a alloy steel structure



TECHNICAL SPECIFICATIONS

Parameter \ Model	TIG200A	TIG250A	TIG400D	TIG400IJ
Input Voltage (V)	AC220V \pm 15%	AC380V \pm 15%	AC380V \pm 15%	AC380V \pm 15%
Frequency (HZ)	50/60	50/60	50/60	50/60
Rated Input Current (A) MMA/TIG	43/28	14.4/9.6	27.6/20	27.6/20
No-load Voltage (V)	56	54	68	70
Output Current Range (A)	10-200	10-250	10-400	10-400
Rated Output Voltage (V)MMA/TIG	28/18	30/20	36/26	36/26
Arc Force Current Range	-	0-100	0-100	0-100
Duty Cycle (%)	60	60	60	60
No-load Loss (W)	40	60	100	100
Arcing Way	HF	HF	HF	HF
Efficiency (%)	80	85	85	85
Power Factor	0.73	0.93	0.93	0.93
Insulation Grade	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21
Net Weight (kg)	9	19	29	29.5
Dimension (mm)	375x155x232	375x155x232	550x280x545	550x280x545

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Inverter All-Functions TIG Welding Machine

TIG 200P / TIG 315D / TIG 400D

FEATURES

1. Complete setting and adjust design to meet the requirement of high quality welding. The circuit and time can adjust arbitrarily and individually including initiation current, background current, welding current. up-slope time, down-slope time, initiation time and ending current.
2. Pulse parameters adjustable, high pulse current up and down speed, excellent weld appearance, especially suitable for bicycle industry.
3. Has 2T/4T/ repeat mode selection function, convenient for workers operating.
4. Water-cooling gun, high duty cycle, is suitable for large-scale flow process.
5. For both MMA welding and TIG welding, is suitable for high quality welding of various metals.



TECHNICAL SPECIFICATIONS

Parameter \ Model	TIG200P	TIG315D	TIG400D
Input Voltage (V)	AC220V±15%	AC380V±15%	AC380V±15%
Frequency (HZ)	50/60	50/60	50/60
Rated Input Current (A) MMA/TIG	43/28	19.7/13.6	27.6/20
No-load Voltage (V)	56	51	68
Output Current Range (A)	10-200	20-315	20-400
Rated Output Voltage (V)MMA/TIG	28/18	32.6/22.6	36/26
Duty Cycle (%)	60	60	60
No-load Loss (W)	40	100	100
Arcing Way	HF	HF	HF
Efficiency (%)	80	85	85
Power Factor	0.73	0.93	0.93
Insulation Grade	F	F	F
Post-flow (S)	1-10	1-10	1-10
Clean Width (%)	-	10-90	10-90
Housing Protection Grade	IP21	IP21	IP21
Net Weight (kg)	9	29	29
Dimension (mm)	371x153x232	515x263x440	515x263x440

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Inverter Square Wave TIG Welding Machine

TIG200 AC/DC / TIG250 AC/DC / TIG315P AC/DC / TIG400P AC/DC

FEATURES

1. Upgrade square wave power source, current with high speed through the zero, arc is stable no high frequency stabilizer is necessary.
2. Good arc stiffness, heat concentrated, easy to fill wire, is especially suitable for filler wire welding in bicycle industry.
3. Super oxide film clean capability, clean time is adjustable steplessly, beautiful and bright welded seam.
4. Has connector to foot control, convenient for worker's operation.
5. Built in over current, over heat, over voltage, low voltage alarm and protection circuit, safe and reliable when operating.
6. High duty cycle, may work continuously with high current.
7. Suitable for welding aluminum and its alloy, carbon steel, stainless steel, copper, titanium etc. Metal.



TECHNICAL SPECIFICATIONS

Parameter	Model	TIG200 AC/DC	TIG250 AC/DC	TIG315P AC/DC	TIG400P AC/DC
Input Voltage (V)		AC220V±15%	AC220V±15%	AC380V±15%	AC380V±15%
Frequency (HZ)		50/60	50/60	50/60	50/60
Rated Input Current (A)		32.5	43.5	13.6	16
Output Current Range		10-200	10-250	5-315	20-400
No-load Voltage (V)		44	44	51	51
Rated Output Voltage (V)		18	20	22.6	26
Pre-flow (S)		0-2	0-2	0-2	-
Vale value Current (%)		20-80	20-80	20-80	20-80
Down Slope (s)		0-5	0-5	0-5	0-10
Post-flow (S)		2-10	2-10	2-10	2-10
Remote Control		Yes	Yes	Yes	Yes
Arcing Way		HF	HF	HF	HF
Efficiency (%)		80	80	85	85
Duty Cycle (%)		60	60	60	60
Power Factor		0.73	0.73	0.93	0.93
Insulation Grade		F	F	F	F
Housing Protection Grade		IP21	IP21	IP21	IP21
Net Weight (kg)		22.1	23.4	34	39
Dimension (mm)		560x364x302	498x328x302	570x364x302	616x326x620

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Inverter Plasma Cutting Machine

CUT 40 / CUT 60 / CUT 100 / CUT 160

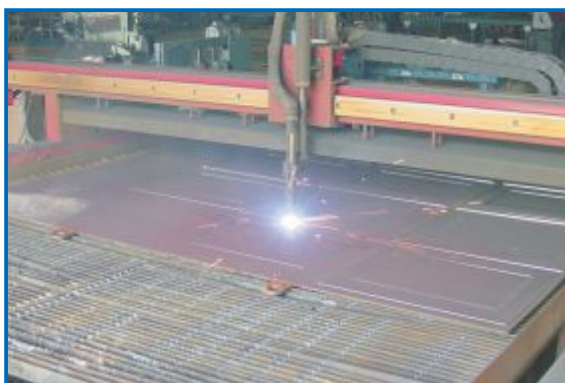
FEATURES

1. Adopts rational optimized design and arrange, high inverter frequency, high duty cycle, economy and energy saving.
2. Subminiature volume, lightweight, easy to carry, is especially suitable for moving job outdoor.
3. Compared with flame cutter, the air plasma arc cutter use cheaper compressed air as cutting gas supply and has the advantages of low cost and high speed etc.
4. Compared with traditional cutter, has the advantages of high success rate for arc initiation, high arc voltage, concentrated heat, powerful cutting ability, high cutting speed, narrow kerf, smooth cut face, less deformation.
5. Can cut metal plate along curve line in different thickness, cutting current digital display, cutting current adjust steplessly, accurate and read directly.
6. Built in over heat, over current, over voltage and low voltage protection circuit, operating safely.



TECHNICAL SPECIFICATIONS

Parameter	Model	CUT 40	CUT 60	CUT 100	CUT 160
Input Voltage (V)		AC220V±15%	AC380V±15%	AC380V±15%	AC380V±15%
Frequency (HZ)		50/60	50/60	50/60	50/60
Rated Input Current (A)		30	12	23.1	44.3
No-load Voltage (V)		230	295	268	320
Output Current Range		20-40	20-60	20-100	20-160
Rated Output Voltage (V)		96	104	120	144
Duty Cycle (%)		60	60	60	60
No-load Loss (W)		40	60	80	100
Efficiency (%)		80	85	85	85
Power Factor		0.73	0.93	0.93	0.93
Insulation Grade		F	F	F	F
Housing Protection Grade		IP21	IP21	IP21	IP21
Arcing Way		Contact	Contact	Transfer	Transfer
Recommended Air Presuure		4-5	4-5	4.5 - 5.5	4.5 - 5.5
Max Cutting Thickness (mm)		1-16	1-25	1-40	1-60
Net Weight (kg)		9	19	39	60
Dimension (mm)		371x153x232	480x204x303	560x370x350	670x337x510



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