WELDCONN

WELD WITH CONFIDENCE. EVERY TIME

www.weldconn.co.in

About us

WELDCONN

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Weldconn Industries

Established with a singular goal of providing mess-free welds across various industries, WELDCONN has consistently led the competition by delivering top-notch, quality-accredited welding solutions tailored to our industrial customers' specific needs. Our journey began in 1998 with the founding of our parent company, Abhijeet Ent, in Maharashtra, India's largest industrial center. In 2015, driven by the visionary Mr. Pramod Tonape, we boldly ventured into importing raw materials from foreign countries. By mid-2016, our small yet highly capable Research and Development (R&D) center paved the way for WELDCONN's breakthrough in the welding industry.

Drawing on our extensive experience, we take immense pride in manufacturing high-quality products characterized by longevity, low maintenance, reliable operation, and impressive performance. Understanding the intricate and diverse requirements of our customers, we offer a wide range of diversified products to effectively cater to their unique needs. Customer satisfaction lies at the core of our business philosophy, and we go the extra mile to understand our client's specific challenges and offer personalized welding solutions. Emphasizing environmental responsibility, we are on a mission to develop eco-friendly welding solutions that minimize our carbon footprint and promote sustainable practices throughout our supply chain.

See Our Industry

Continuously investing in R&D, we remain dedicated to innovation, bringing cutting-edge technology and advancements to our welding products. WELDCONN strives to be the trusted partner for industries seeking reliable and high-performance welding solutions. With substantial investments in our infrastructure, our state-of-the-art manufacturing facilities are equipped with cutting-edge technology and modern machinery. This enables us to promptly and efficiently meet the needs of our clients while adhering to the strictest quality control measures.

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Our **Mission**

Our journey towards becoming the world's leading welding and cutting solution company is not just a corporate ambition; it is a collective endeavor. Together with our valued partners and customers, we envision a future where our solutions empower industries, drive progress, and create a world where precision and efficiency go hand in hand. Our mission is not just about reaching the pinnacle of the industry; it's also about leaving a lasting positive impact on the world.

Our **Vision**

- To be a result-oriented and profitable Company by consistently improving quality, diversity, availability, presentation, reliability, and customer acceptance.
- To ensure cost consciousness in decision-making and operations without compromising the commitment to quality.
- To create an efficient resource management and conductive business environment. Evolving effective leadership by creating a highly professional and motivated management team fully equipped to meet any challenge.
- To keep abreast with modern technology and designs to optimize production and enhance a brand image to attain international recognition for the Company's product.
- To set up highly ethical business standards and be a good corporate citizen, contributing towards the development of the national economy and assisting charitable causes

Our **Mission**

- As a manufacturing-oriented organization, our mission is rooted in providing cutting-edge welding and cutting solutions while prioritizing our clients' needs. We work tirelessly to ensure their success by understanding their unique requirements and delivering tailor-made solutions that not only meet but exceed their expectations.
- Unwaveringdedication foster a supportive work environment, where individual contributions are celebrated, and teamwork is encouraged.
- We are committed to excellence, constantly staying ahead of technological advancements and industry trends. This commitment empowers us to offer innovative solutions that solidify our position as leaders in the market.
- It, we infuse our products with the rich heritage of Indian innovation and craftsmanship. It is our privilege to contribute to the nation's growth by creating employment opportunities and fostering skill development within our great nation.
- To elevate our offerings and make a positive impact on the communities we serve.
- With customer satisfaction as our guiding star and our dedicated team as our driving force, we eagerly anticipate a future filled with new challenges, opportunities, and achievements. Together, we will forge ahead, transforming possibilities into realities, and proudly representing India as a trusted partner for our clients' success. Jai Hind!

MMA-250/315/400 (Dual voltage 220/380V)

INVERTER DC ARC WELDING MACHINE

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MMA- Series

MMA-250
220V

MMA-315
220V

MMA-400
220V

Technical Advantages

- One-key selection mode of welding stick.
- Automatic voltage recognition, automatic conversion.
- Power saving design, no arc in 5 seconds interval, automatically cut off the main circuit power supply, safe and reliable.
- VRD low voltage technology, safe.
- 3 Seconds short circuit protection: the welding rod and the workpiece will not be in contact for 3 Seconds without arcing, and the main circuit power supply will be automatically cut off.
- Welding current adjustment accurate to 1A.
- Arc starting current continuously adjustable, which significantly improves arc starting performance.
- Thrust current 100m output cable is normally welded.

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MMA- Series

Technical Parameters

Model		MMA-250	MMA315	MMA-400
Voltage range (V)		1-Phase220/380±15%		
Rated input current (KVA)	220V	4.3	5.6	6
	380V	5.2	6	9
Rated input current (A)	220V	34	43.6	43.6
	380V	20	23	17.5
No-load voltage (V)		74		
Welding current range (A)	220V	20-150	20-190	20-190
	380V	20-150	20-190	20-260
Thrust/are start current range (A)		0-100		
Weld stick (mm)		2-3.2	2-4.0	2-5.0
Rated load duration (%)		40		
Weight (Kg)		3.5	6.2	7.6
External dimensions (mm)		290*150*230	335*185*295	360*190*290

MMA-400/500/630/1000/1250

INVERTER DC ARC WELDING MACHINE

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MMA-400 MMA-500 MMA-630 MMA-1000 MMA-1250

MMA- Series

Technical Advantages

- Adopt advanced soft-switching inverter technology, with imported IGBT and microcrystalline magnitic core as the core accessories.
- High load duration, equipped with arc ignition current and current thrust adjustment function.
- It has the function of automatic compensation for voltage fluctuations, stable arc, uniform molten pool, less spatter, and beautiful weld formation.
- The circuit board adopts imported insulating grease QC glue, which is vacuum sealed and filled to prevent dust.
- The fan adopts an isolated structure to prevent rainwater from entering.

MMA- Series

Technical Parameters

Model	MMA-400	MMA500	MMA-630	MMA-1000	MMA-1250
Voltage range (V)	3~380±15%				
Frequency(HZ)	50/60HZ				
Rated input power (KVA)	20	24.5	31.5	58	60
Rated input current (A)	27	38	47	90	94
No-load voltage (V)	75				
Welding current range (A)	20-400	20-500	20-630	60-1000	60-1250
Thrust current range (A)	10-100			60-250	60-320
Are start current adjustment range(A)	20-100				
Rated duty cycle (%)	60			100	
Weld stick (mm)	2.0-5.0			2.0-6.0	
Weight (Kg)	35	36	40	102	108
External dimensions (mm)	540*310*560		605*325*670	804*375*920	

Remark: 3~220V/415V/440V can be customized

MIG-270/270YS

DINGITAL FLUX CORE MIG WELDING MACHINE

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MIG-270

MIG-270YS

MIG Series

Technical Advantages

- Using single-tube IGBT high-frequency inverter technology, the output power is large, stable and reliable.
- Wire detection function, dry extension length 20mm, easy to start arc.
- Current/Voltage digital display preset function, easy to match welding parameters.
- Gas shielded welding/Stick welding dual-purpose function setting, constant current/constant voltage output.
- Arc hardness adjustment, suitable for different materials and process requirements.
- Application of leading anti-splash control circuit, small spatter, uniform shape, beautiful appearance good arc ignition reliability, suitable for fast spot welding.
- Stable welding with fine wire and small current, especially suitable for thin plate welding, the thinnest 0.5mm plate non breakdown.
- 0.8mm welding wire thin plate has excellent spot welding performance.
- Digital operation interface, intuitive and convenient operation.

MIG- Series

Technical Parameters

Model	MIG-270			MIG-270YS		
Voltage range (V)	1~220V±15%	3~380±15%	1~220V 3~380±15%	1~220V±15%	3~380±15%	1~220V 3~380±15%
Frequency(HZ)	50/60HZ					
Rated input power (KVA)	6.6	9	6.6/9	6.6	9	6.6/9
Rated input current (A)	45	16	45/16	45	16	45/16
No-load voltage (V)	67					
Voltage adjustment range (A)	40-200	40-270	40-200/40-270	40-200	40-270	40-200/40-270
Current adjustment range (V)	15.7-26.5					
Welding Wire (mm)	0.6/0.8/1.0					
Weld stick (mm)	2-3.2					
Wire feed speed(m/min)	24					
CO2 Gas flow capacity	10-15					
Rated duty cycle (%)	60					
Weight (Kg)	19					22
External dimensions (mm)	470*250*560					480*250*500

MIG-350/400/500/630

DINGITAL FLUX CORE MIG WELDING MACHINE

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MIG Series

MIG-350

MIG-500

Technical Advantages

- Soft-switching IGBT full-bridge inverter technology, double closed-loop current control (UC3846).
- Droplet transition waveform control technology (electronic inductance), freely adjustable arc shape, suitable for various welding requirements.
- The main transformer adopts ultra-fine crystal iron core, the inverter frequency up to 20KH.
- Passive power factor correction technology high power factor input voltage range 320V-450V.
- Arc starting and falling ball function, slow wire feeding for arc starting, high success rate of arc starting, less spatter, fast arc starting speed.
- High-power wire feeding system power supply, even in the case of large wire feeding resistance and long cable, it can feed wire stably.
- With self-locking/non-self-locking selection function, it is convenient for long-time welding operation.
- The split type wire feeder cable can be extended to 50m, which is suitable for large-scale movement.
- With over-current and over-heat protection function, full digital current and voltage display
- Three-purpose machine for gas protection and manual welding of steam turbines (Model 500/630).

MIG- Series

Technical Parameters

Model	MIG-350	MIG-400	MIG-500	MIG-630
Voltage range (V)	3-Phase380±15% 50/60HZ			
Rated input power (KVA)	13.8	15.9	24.3	3.3
Rated input current (A)	22	27	39	55
No-load voltage (V)	78	80	87	87
Current adjustment range (V)	60-350	60-400	60-500	60-630
Voltage adjustment range (A)	15.7-31.5	15.7-31.5	15.7-39	15.7-44
Wire feed speed(m/min)	18			
CO2 gas flow (L/min)	15-20			
Weld stick (mm)	0.8-1.2	0.8-1.2	0.8-1.6	0.8-1.6
Rated load duration (%)	60			
Weight (Kg)	27	27	41	44
External dimensions (mm)	540*310*560	540*310*560	602*325*670	680*325*670

Remark: 3~220V/415V/440V can be customized

MIG-400Y/500/630Y

DINGITAL FLUX CORE MIG WELDING MACHINE

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IGBT DC

MIG Series

MIG-400Y

MIG-500Y

Technical Advantages

- Soft-switching IGBT full-bridge inverter technology, double closed-loop current control (UC3846).
- Droplet transition waveform control technology (electronic inductance), freely adjustable arc shape, suitable for various welding requirements.
- The main transformer adopts ultra-fine crystal iron core, the inverter frequency up to 20KH.
- Passive power factor correction technology high power factor input voltage range 320V-450V.
- Arc starting and falling ball function, slow wire feeding for arc starting, high success rate of arc starting, less spatter, fast arc starting speed.
- High-power wire feeding system power supply, even in the case of large wire feeding resistance and long cable, it can feed wire stably.
- With self-locking/non-self-locking selection function, it is convenient for long-time welding operation.
- The split type wire feeder cable can be extended to 50m, which is suitable for large-scale movement.
- With over-current and over-heat protection function, full digital current and voltage display
- Three-purpose machine for gas protection and manual welding of steam turbines (Model 500/630).

MIG- Series

Technical Parameters

Model	MIG-400Y	MIG-500Y	MIG-630Y
Voltage range (V)	3-Phase380±15% 50/60HZ		
Rated input power (KVA)	15.9	24.5	33
Rated input current (A)	27	39	55
No-load voltage (V)	80	87	87
Current adjustment range (A)	60-400	60-500	60-630
Voltage adjustment range (V)	15.7-31.5	15.7-39	15.7-44
Wire feed speed(m/min)	18		
CO2 gas flow (L/min)	15-20		
Weld stick (mm)	0.8-1.2	0.8-1.6	0.8-1.6
Rated load duration (%)	60		
Weight (Kg)	65.5	67.5	70.5
External dimensions (mm)		945*513*1040	

Remark: 3~220V/415V/440V can be customized

MIG/MAG-320/500 (Built-in)

HI SPEED DOUBLE PULSE MIG/MAG WELDING MACHINE

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IGBT | DC | 4T/2T

MIG Series

MIG/MAG-320

MIG/MAG-500

Technical Advantages

- Digital operation panel, double-knob operation, welding parameters and operation function settings are more intuitiveand diversified.
- Adopt a reasonable combination of all-digital dual-CPU control technology and soft-switching IGBT inverter technology to achieve good welding performance.
- Through the modification and upgrading of the control software, it can quickly respond to the customer's special welding process requirements.
- Instantaneous arc ignition circuit, no spatter when starting arc, automatic arc closing program, keep the end of welding wire sharp, instantaneous arc ignition rate 100%.
- The arc length changes with the distance between the welding torch and the workpiece, and the arc shape can be adjusted freely, which is suitable for all-position welding.
- AC frequency stepless adjustment, the higher the frequency, the higher the arc stiffness, making the control of thin plate and ring welding easier.
- Fully unified adjustment, 2T/4T selection function.
- Four-drive wire feeding system suitable for long-distance operations and harsh environments, with a 5-meter welding torch, wire feeding without hindrance.
- Ten-channel storage database, single-pulse, double-pulse function, truly realize one pulse, one melting point, no spatter, suitable for high-quality welding of non-ferrous metals such as aluminum alloy, stainless steel, copper, low carbon steel, etc.

MIG/MAG

Standard Configuration

MIG/MAG-320:

Gas-cooled welding torches
Decompression table
Ground Cable

MIG/MAG-500:

Box-type wire feeders
Water-cooled welding torches
Decompression table
Ground Cable

Technical Parameters

Model	MIG/MAG-320	MIG/MAG-500
Voltage range (V)	3-Phase380±15%	
Frequency(HZ)	50/60HZ	
Rated input power (KVA)	11.5	24.5
Rated input current (A)	19	39
No-load voltage (V)	66	
Working current range (A)	50-320	20-500
Working voltage range (V)	16.5-30	15.7-39
Wire feeding speed (m/min)	18	
Efficiency(%)	80	
Power factor	0.89	
Rated duty cycle (%)	60	
Weight (Kg)	45	67.5
External dimensions (mm)	870*460*750	915*600*1216

Remark: 3~220V/415V/440V can be customized

CUT Series

Technical Advantages

- It has an arc voltage signal interface connected with CNC system, and a signal interface for successful are starting.
- Low-frequency arc starting, small arc remains indestructible, which greatly reduces the interference to CNC system.
- Soft-switching IGBT full-bridge inverter technology, double closed-loop current control (UC3846).
- Passive power factor correction technology, high power factor, input voltage range is 320v-450v.
- Constant current output, overcoming the voltage drop and unstable, partial arc phenomenon caused by different plasma arc length.
- High inductance reactance, high arc voltage design, concentrated energy, narrow slit.
- Continuously adjustable from minimum cutting 20A to maximum cutting current.
- Adopt non-contact high-frequency arc starting method, with added arc function, excellent instant arc starting.
- Built-in protection circuits for overheating, over-current, and air under-pressure to extend the service life of nozzle.
- With 2T/4T selection function, convenient for long welding operation, full digital current display.
- Above 160A are equipped with water cooling cutting torch, which greatly extend the life of accessories.

CUT-100/120

INVERTER AIR PLASMA CUTTING MACHINE

IGBT DC

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CUT- Series

CUT-100

CUT-120

Technical Parameters

Model	CUT-100	CUT-120
Voltage range (V)	3~380V±15%	
Frequency(HZ)	50/60HZ	
Rated input power (KVA)	14.5	18.2
Rated input current (A)	22	28
No-load voltage (V)	370	
Current adjustment range (A)	30-100	30-120
Max.cutting thickness (mm)	40	45
Max. perforation thickness (mm)	16	18
Arc Ignition Method	Non-contact ignition	
Cutting pressure (Mpa)	0.3-0.5	
Rated duty cycle(%)	100	
Recommend air compressor displacement(m3)	0.36	
Weight (Kg)	30	33
External dimensions (mm)	540*310*560	
Remark: 3~220V/415V/440V can be customized		

CUT-120/160/200/300/400(CNC)

INVERTER AIR PLASMA CUTTING MACHINE

CNC IGBT DC

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CUT Series

CUT-120

CUT-400

Technical Advantages

- Independent small arc circuit, the current is adjusted through the control panel, 10A-30A.
- Fully isolated arc pressure plate, a variety of arc voltage signals, providing non-interference signals for the CNC system.
- Digital circuit control, reserved signal interface.
- Water flow switch, air pressure switch, effectively protect the torch from damage.
- Equipped with a water filter to prevent debris (copper scraps on the electrode) from entering the torch head.
- Integrated gas valve control: divided into cutting gas and small arc gas.
- Anti-saturation reactor with small cutting gap.

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CUT- Series

Technical Parameters

Model	CUT-120	CUT-160	CUT-200	CUT-300	CUT-400
Voltage range (V)	3-Phase 380±15%				
Frequency(HZ)	50/60HZ				
Rated input power (KVA)	22.4	28.4	40	65	80
Rated input current (A)	34	44	62	100	124
No-load voltage (V)	330				360
Working current range (A)	30-120	30-160	60-200	65-300	60-400
Max.cutting thickness (mm)	40	50	65	80	100
Max. perforation thickness (mm)	18	20	25	30	40
Arc Ignition Method	Non-contact ignition				
Cutting pressure (Mpa)	0.3-0.5				
Rated duty cycle(%)	100				
Working gas pressure (Mpa)	0.45-0.6				
Recommend air compressor displacement(m3)	0.36	0.5	1	1.5	2.0
Weight (Kg)	48.5	53.5	88.5	131	
External dimensions (mm)	718*318*640		830*380*900	835*420*1070	

Remark: 3~220V/415V/440V can be customized

CUT-80Y/100Y/120Y (Built-in air pump)

BUILE IN AIR COMPRESSOR PLASMA CUTTING MACHINE

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IGBT DC

CUT Series

CUT-80Y

CUT-100Y

Technical Advantages

- Low-frequency arcing, the small arc remains unchanged, which greatly reduces the interference to the numerical control system.
- Soft-switching IGBT full-bridge inverter technology, double closed-loop current control (UC3846).
- Passive power factor correction technology, high power factor, input voltage range 320V-450V.
- Constant current output overcomes instability and arc deviation caused by voltage drop and plasma arc length.
- High inductive reactance, high arc voltage design, energy concentration, narrow slit.
- Continuously adjustable from the minimum cutting 20A to the maximum cutting current.
- Adopt non-contact high-frequency arc ignition method, increase arc ignition function, and have good instantaneous arc ignition performance.
- Built-in protection circuits for overheating, over-current, and air under-pressure to extend the life of cutting nozzle.
- With 2T/4T selection function, it is convenient for long time welding operation, full digital current display.

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CUT- Series

Technical Parameters

Model		CUT-80Y	CUT-100Y	CUT-120Y
Voltage range (V)		1-220/380 3 - 380±15%	3 - 380±15%	
Frequency(HZ)		50/60HZ		
Rated input power (KVA)	220V	5.6	/	/
	380V	9.6	12	14
Rated input current (A)	220V	42	/	/
	380V	18	20	25
No-load voltage (V)		320		
Plasma Current	220V	30-50	/	/
Adjustment range (A)	380V	30-60	30-100	30-120
ARC welding current adjustment range(A)		20-180	20-220	20-240
Max.cutting thickness (mm)		15	30	40
Max. perforation thickness (mm)		8	16	18
Arc Ignition Method		Non-contact ignition		
Cutting pressure (Mpa)		0.3-0.5		
Air compressor power(KW)		0.8	1.2	1.6
Recommend air compressor displacement (m3)		0.36		
Rated load duration (%)		60	100	
Weight (Kg)		37.3	42	55
External dimensions (mm)		590*320*520	630*350*590	680*370*650
Note: Single voltage/dual voltage can be customised				

TIG Series

Technical Advantages

- Adopt advanced high frequency inverter power supply technology, frequency up to 20KHZ, fast dynamic response.
- Strong resistance to power grid fluctuations, 40% less electricity than traditional welding machines. The design of high-frequency pressurized arc ignition and thermal ignition is adopted. The arc starting performance is excellent, and the arc starting success rate is 100%.
- One machine for dual purposes, with manual welding function, especially suitable for spot welding process, spot welding are starts quickly.
- With overheating, overcurrent, overvoltage automatic protection function, good safety performance.
- With unique output characteristic design, it can weld almost all metal materials, which is more suitable for filler wire welding, and the weld seam is beautifully formed.
- Small size, light weight, high efficiency and energy saving.

TIG-400/500/630

INVERTER DC PULSE TIG WELDING MACHINE

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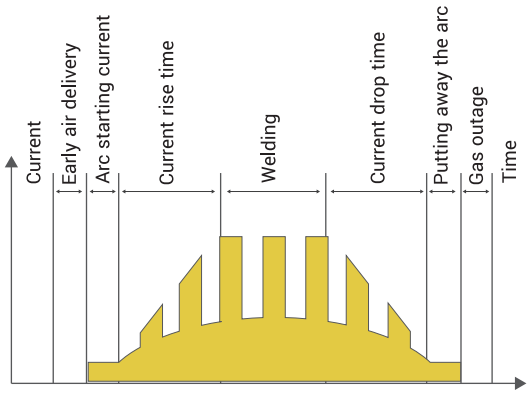
TIG-400 TIG-500

Technical Advantages

- Digital operation interface, dual-knob operation can be more intuitive and diversified settings for welding parameters and operating functions.
- Incorporates a reasonable combination of all-digital dual CPU control technology and soft-switching IGBT inverter technology to achieve good welding performance.
- Through the modification and upgrade of the control software, you can quickly respond to the customer's special welding process requirements.
- Adopt advanced soft-switching inverter technology.
- Microcomputer control, rich functions and easy maintenance.
- High-frequency pressurized arc ignition, excellent arc starting performance, stable arc during welding, unique output characteristic design, more suitable for filler wire welding, beautiful welding seam.
- Built-in protection circuits for overheating, overcurrent, overvoltage, etc.

Standard Configuration

- 1 water-cooled argon arc welding torch
- Grounding Cable Ipc
- 1 x European style plug
- Pulse waveform control
- 5A current, 100% are start



TIG- Series

Technical Parameters

Model	TIG-315	TIG-400	TIG-500	TIG-630
Voltage range (V)	3-Phase380±15%			
Frequency(HZ)	50/60HZ			
Rated input power (KVA)	9.1	20	24.5	31.5
No-load voltage (V)	75			
Rated duty cycle (%)	60			
Pre-flow (s)	0-2			
Arc Ignition current(A)	5-100			
Upper Time(s)	0-10			
Down time(S)	0-10			
Constant current regulation(A)	20-315	20-400	20-500	20-630
Arc end current(A)	20-315	20-400	20-500	20-630
Gas Post(S)	0.1-15			
Base current(A)	20-315	20-400	20-500	20-630
Peak current(A)	20-315	20-400	20-500	20-630
Pulsed frequency(HZ)	0.1-200			
Weight (kg)	20.4	25	27	40
External dimensions (mm)	470*250*460	540*310*560		657*316*660

Remark: 3~380V/415V/440V can be customized

SAW-630/1000/1250

INVERTER AUTOMATIC SUBMERGED ARC WELDING MACHINE

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SAW-630

STANDARD CONFIGURATION

- 1 submerged arc welding trolley
- Control box 1pc
- Grounding cable 2 pcs
- 2 wires from power supply to trolley

SAW Series

Technical Advantages

- Digital operation panel, double-knob operation, welding parameters and operation function settings are more intuitiveand diversified.
- Adopt a reasonable combination of all-digital dual-CPU control technology and soft-switching IGBT inverter technology to achieve good welding performance.
- Through the modification and upgrading of the control software, it can quickly respond to the customer's special welding process requirements.
- Instantaneous are ignition circuit, no spatter when are starting, automatic are closing program, keep the end of welding wire sharp, instantaneous arc ignition rate 100%.
- The arc length changes with the distance between the welding torch and the workpiece, and the arc shape can be adjusted freely, which is suitable for all-position welding.
- AC frequency stepless adjustment, the higher the frequency, the higher the arc stiffness, making the control of thin plate and ring welding easier.
- Fully unified adjustment, 2T/4T selection function.
- Four-drive wire feeding system suitable for long-distance operations and harsh environments, with a 5-meter welding torch, wire feeding without hindrance.
- Ten-channel storage database, single-pulse, double-pulse function, truly realize one pulse, one melting point, no spatter, s uitable for high-quality welding of non-ferrous metals such as aluminum alloy, stainless steel, copper, low carbon steel, etc.

SAW- Series

Technical Parameters

Model	SAW-630	SAW-1000	SAW-1250
Voltage range (V)	3-Phase380±15% 50/60HZ		
Rated input power (KVA)	31.5	58	60
Rated input current (A)	47	90	94
No-load voltage (V)		75	
Working current range(A)	50-630	60-1000	60-1250
Thrust current range (A)		30-360	
Arc Ignition current adjustment range (A)	20-240	60-300	
Machine efficiency (%)		90	
Power factor		0.89	
Rated duty cycle (%)		100	
Weld stick diameter (mm)		2.0-6.0	
Weight (Kg)	56	92	97
External dimensions (mm)	700*320*580	805*380*935	

Remark: 3~220V/415V/440V can be customized

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