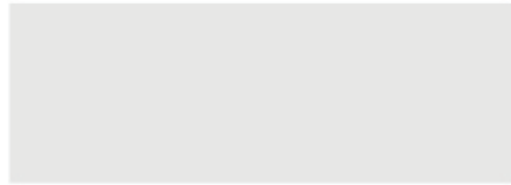
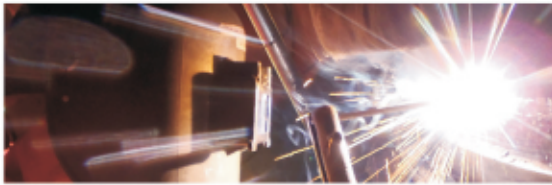




**WELDING
MACHINE**



COMPANY PROFILE

COMPANY PROFILE

Incorporated in the year 2011, We “Welson Electricals” are instrumental in manufacturing and supplying a broad assortment of all type of transformer based ARC Welding Machine like Portable Stud type Fan Cooled Welding Machine, Inverter look transformer base Fan Cooled Lug type ARC Welding Machine, Stud type Air/Oil Cooled Welding Machine, Regulator type Air/Oil/Fan Cooled, 1-2 or 3 phase Welding Machine, Regulator type Double Holder Welding Machine, Pedestal type 100% Copper and Semi Copper Spot Welding Machine in various range, Pneumatic Heavy duty 100% Copper and semi copper Spot Welding Machine in various range.

We also accept customized order as per customer's requirement in all above products.

Our entire array is fabricated with the utmost precision under the supervision of our experienced professionals utilizing the best grade raw material sourced from the reputed vendors of the market. Due to dimensional accuracy, excellent finish, elevated durability and high strength, these products are highly admired by our esteemed clients. These machines are extensively used in various industries owing to their high quality standards and reliability. Apart from this, we also possess specialization in customizing these products according to the client's exact requirements without hampering the quality standards. Additionally, clients can avail the entire range at reasonable prices. We are committed to provide world class products at highly economical prices. We follow transparency in all our business dealings.

We are based in Rajkot (Gujarat, India), where we have developed a high-tech infrastructure unit sprawling over a large area. This unit is well-equipped with cutting edge machines and equipment that assist us in the production of our products in line with international quality standards. To ensure smooth functioning of our business operations, we have segregated our set-up into different functional units such as production, quality testing and research & development etc. Owing to our ultra modern infrastructure, we are able to manage bulk orders in a timely manner. Further, our organization is backed by a dexterous team of professionals, who have immense expertise in their relevant domains. These professionals' works in the most unified manner to perform entire business processes in a smooth manner. We also keep our professionals in touch with the latest market expansions by conducting necessary training sessions at regular intervals.

Under the proficient guidance of our mentor, “Mr. Irfan”, we have successfully established a strong foothold in the domestic market. His industry experience of more than is years to manufacture welding machine and sharp business expertise have enabled us in mounting our business widely.

Our Team

Owing to the sincere efforts of skilled professionals, we have made remarkable position in this domain. They possess enormous experience in their respective domain and work with sincerity towards the growth of our organization. Their in-depth knowledge and vast industry experience have enabled us to meet the variegated requirements of our clients in efficient & economical manner.

Why Us?

We have been rolling ahead towards attaining our primary goal of client-satisfaction that makes us most recommended organization in this domain.

Some other factors that are responsible for long list of our clientele are:

- Broad industry experience
- Experienced professionals
- Ethical business policies
- Complete client satisfaction
- Transparent dealings





Portable (Stud Type)

Portable (Inverter Look Transformer Base)

SPECIFICATION

Particular	Units	Portable (Stud Type) Welding Machine	Portable (Inverter Look Transformer Base) ARC Welding Machine	
		200A-W1PS	200A-W1ARC	250A-W1ARC
Model	AMPS	200A-W1PS	200A-W1ARC	250A-W1ARC
Input Supply	VOLTS	230	230	230
Phase		1	1	1
Frequency	Hzs	50	50	50
Welding Current Range with Low & High Range Selection	AMPS	90 - 200	50 - 200	50 - 250
Insulation Class		A/F	A/F	A/F
Max. Open Circuit Voltage (O.C.V.)	VOLTS	45	50	50
Max. Continuous Hand Welding Current at 60% Duty Cycle	AMPS	90	150	170
Welding Electrode Size Min.	MM	2	1.6	1.6
Welding Electrode Size Max.	MM	3.15	3.15	3.15
Cooling		Fan Cooled		
Approx Dimensions in mm	H	300	315	400
	L	310	400	450
	W	190	170	200
Approx Weight	KGS.	19	20	32

Scope & Applications :

"WELSON" portable welding machine with modern looks and novel design is suited for small repair and maintenance jobs, where portability is of prime consideration. It's made with high grade materials and best finishing, gives superb performance, trouble free service for long period and also make it power saver. The machine tested under strict quality control measures.



SPECIFICATION

Particular	Units	Select Model			Heavy Duty Model								
Model	AMPS	150A WSS	200A WSS	250A WSS	150A WHS	200A WHS	250A WHS	300A WHS	400A WHS	600A WHS	300A W3HS	400A W3HS	600A W3HS
Input Supply	Volts	230/440	230/440	230/440	230/440	230/440	230/440	230/440	230/440	380/440	380/440	380/440	380/440
Phase		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2	3	3	3
Frequency	HZS	50	50	50	50	50	50	50	50	50	50	50	50
Welding Current Range with Low & High Range Selection	AMPS	45-150	50-200	50-250	45-150	50-200	50-250	50-300	50-400	50-600	50-300	50-400	50-600
Insulation Class		A	A	A	A	A	A	A	A	A	A	A	A
Open Circuit Voltage (O.C.V.)	Volts	45	50	50	50	55	60	60	60	60	60	60	60
Max. Continuous Hand Welding Current at 60% Duty Cycle	AMPS	125	170	220	150	200	250	300	400	600	300	400	600
Min. Welding Electrode Size	MM	2	2	2.5	2	2	2.5	2.5	2.5	3.15	2.5	2.5	3.15
Max. Welding Electrode Size	MM	3.15	3.15	3.15	3.15	3.15	3.15	4	4	5	4	4	5
Cooling		Natural Air											
Approx Dimensions in mm	H	400	480	500	400	490	515	525	550	650	550	550	550
	L	560	660	685	570	670	735	760	800	910	800	800	800
	W	385	400	435	410	435	445	450	470	520	470	470	470
Approx Weight	Kgs.	42	53	61	53	62	70	82	98	120	115	135	175

SCOPE & APPLICATIONS

Select Model Stud Type :

"WELSON" stud type light weight welding machines are built with compact design and attractive look, Effective for repair and maintenance jobs in medium duty cycles. it's also useful for light production jobs in farms and workshop, etc.

Heavy Duty Model Stud Type :

"WELSON" Heavy Duty Machine in modern look & design, are perfectly suited for fast production, structural work, machine building and fabrication, filling jobs, repairing of worn-out machine parts, ARC cutting jobs and in many types of heavy duty applications.

The products are made with high grade materials and best finishing, gives superb performance, trouble free service for long period and also make it energy saving. The machine tested under strict quality control measures.



REGULATOR TYPE ARC WELDING MACHINE



SPECIFICATION

Particular	Units	Select Model			Heavy Duty Model							Double Holder Heavy Duty Model	
		150A WSR	200A WSR	250A WSR	300A WHR	400A WHR	600A WHR	400A WHR80	300A W3HR	400A W3HR	600A W3HR	300A WDHR	400A WDHR
Model	AMPS	150A WSR	200A WSR	250A WSR	300A WHR	400A WHR	600A WHR	400A WHR80	300A W3HR	400A W3HR	600A W3HR	300A WDHR	400A WDHR
Input Supply	Volts	230/440	230/440	230/440	230/440	230/440	380/440	380/440	380/440	380/440	380/440	380/440	380/440
Phase		1/2	1/2	1/2	1/2	1/2	2	2	3	3	3	2	2
Frequency	HZS	50	50	50	50	50	50	50	50	50	50	50	50
Welding Current Range with Low & High Range Selection	AMPS	40-150	45-200	45-250	60-300	80-400	90-600	80-400	60-300	80-400	90-600	60-300	80-400
Insulation Class		A	A	A	A	A	A	A	A	A	A	A	A
Open Circuit Voltage (O.C.V.)	Volts	45	50	50	60	60	60	80	60	60	60		
Max. Continuous Hand Welding Current at 60% Duty Cycle	AMPS	120	170	200	300	400	600	400	300	400	600	300	400
Min. Welding Electrode Size	MM	2	2	2.5	2.5	2.5	3.15	2.5	2.5	2.5	3.15	2.5	2.5
Max. Welding Electrode Size	MM	3.15	3.15	3.15	4	4	5	4	4	4	5	4	4
Cooling		Natural Air											
Approx Dimensions in mm	H	480	510	535	625	625	660	660	980	980	980	840	840
	L	625	650	680	800	800	865	865	620	620	700	840	840
	W	355	380	390	510	510	685	685	600	600	670	630	630
Approx Weight	Kgs.	50	65	75	115	125	175	140	170	185	225	155	190

SCOPE & APPLICATIONS :

Select Model Regulator Type :

“WELSON” Regulator type light welder machines are built with compact design and attractive look, effective for repair and maintenance jobs in medium duty cycles. It's also useful for light production jobs in farms, small workshops and automobile garage, etc.

Heavy Duty Model Regulator Type :

“WELSON” Regulator type Heavy Duty Machines in modern look & design, are perfectly suited for fast production, structural work, machine building and fabrication, filling jobs, repairing of worn-out machine parts, ARC cutting jobs and in many types of heavy duty applications.

The products are made with high grade materials and best finishing, gives superb performance, trouble free service for long period and also make it energy saving. The machine tested under strict quality control measures.

★ Fan cooled models are available in selected models.

Spot Welding Machine Pedal Operated Rocker ARM Type (100% Copper and Semi-Copper)



General Design

"WELSON" pedal operated rocker arm type spot welding machines are offered in 6,8,10,12,15 and 20 KVA models each with three standard throat depths to cover practically all applications. All machines are made of steel fabricated rigid structures to eliminate the minutest spot deflections

Salient Features

Transformer : Low leakage (High linkage) design, proper cooling and insulation including winding impregnation to enhance reliability and service life.

Current Control : Current setting from min. to max. can be done by 8 position, off load tap switch.

Time Control : (With Timer) solid state Electronic timer to control weld time from 5 to 50 cycles and 1 to 10 seconds to achieve accurate and repeatable spots.

Weld Pressure : Adjustable max. pressure levels are divided from a heavy-duty compression spring mounted on a pressure rod with routine calibrated nut. here is a special arrangement in the machine minimizes operator fatigue and ensures simple setting.

Cooling : Electrodes and arms are provided with water cooling arrangement with hose connections. (Water supply to be arranged by the user.)

Electrodes : One pair of Morse Taper 2 straight electrodes made from hardened copper-alloy is supplied with the equipment. Other types of spare electrodes can be supplied on specific orders.

SPECIFICATION

Particular	Units	Select Model			Heavy Duty Model					
Model	Units	6K-WSS	8K-WSS	10K-WSS	8K-WHS	10K-WHS	12K-WHS	15K-WHS	20K-WHS	
Rating @ 50% Duty Cycle	KVA	6	8	10	8	10	12	15	20	
Input Supply	Volts	230/440	230/440	230/440	230/440	230/440	230/440	380/440	380/440	
Phase		1/2	1/2	1/2	1/2	1/2	1/2	2	2	
Single Phase / 2 Lines of 3 Phase Supply										
Insulation Class		A(CU.)	A(CU.)	A(CU.)	A(CU.)	A(CU.)	A(CU.)	A(CU.)	A(CU.)	
Nominal Throat Clearance	MM	230	230	230	230	230	230	230	230	
Throat Depth	MM	450	450	450	450	450	450	450	450	
Max. Electrode Stroke	MM	40	40	40	40	40	40	40	40	
Nominal Electrode Force (Approx)	Kgs.	100	100	100	100	100	100	100	100	
Max. Available Short Circuit Current	K. Amps	7.5	7.5	7.5	7.5	7.5	8	10	12	
Welding Range										
Mild Steel	Max. 2X	MM	1.5	2.0	2.5	2.0	2.5	3.0	3.5	4.0
Thickness	Min. 2X	MM	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6
Brass Steel	Max. 2X	MM	0.8	0.9	1.1	0.9	1.1	1.2	1.5	2.0
Thickness	Min. 2X	MM	0.1	0.1	0.2	0.1	0.2	0.25	0.3	0.3
Stainless Steel	Max. 2X	MM	1.5	1.8	2.2	1.8	2.2	2.4	2.4	3.0
Thickness	Min. 2X	MM	0.2	0.25	0.28	0.25	0.28	0.32	0.35	0.4
Cooling for arms & Electrode	Water	Water	Water	Water	Water	Water	Water	Water	Water	
Cooling		Natural Air								
Approx Dimension in mm	H	920	1280	1280	1280	1280	1280	1280	1280	
	L	530	660	660	660	660	660	660	700	
	W	340	465	465	465	465	465	465	500	
Approx. Weight 100% Copper	Kgs.	95	140	145	150	155	158	160	185	
Approx. Weight Semi-Copper	Kgs.	90	-	138	-	150	152	155	-	
User has to Provide the Following Services										
Size of Main Supply Copper Cable	MM ²	8	10	12	10	12	12	16	20	
Recommended Switch Rating	Amps	20	20	20	20	20	30	30	40	
Delayed Action Fuse Rating	Amps	20	20	20	20	20	32	32	40	
External Water Supply at Max. Temp. 30°C	Lit./Min	3	3	3	3	3	3	3.5	3.5	

Heavy Duty Pneumatic Spot Welding Machine with Micro Controller (100% Copper and Semi-Copper)



Scope & Applications

“WELSON” pneumatic operated spot welding machines are offered in 15,20,25 & 30 KVA models. The company is also offered WELSON pneumatic operated Rocker Arm type Spot Welding machine in 10,12 & 15 KVA models. All machines are made of steel fabricated rigid structures eliminate the minutest spot deflection. Pneumatic spot welders are designed for high speed production jobs meets vast needs of metal fabrication industries including sheet metal components cross wire welding electro brazing, resistance heading etc.

Transformer : Low leakage (High linkage) design, proper cooling and insulation including winding impregnation to enhance reliability and service life.

Time Current Control : Current setting from min. to max. can done by 6 position, off load tap switch & micro processor. Based synchronous controller with 25 different programmers of setting is incorporated with these machines in order to obtain consistent and accurate weld results of the jobs.

Cooling : Electrodes and arms are provided with water cooling arrangement with hose connections. (Water supply to be arranged by the user.)

Electrodes : One pair of Morse Taper 2 straight electrodes made from hardened copper-alloy is supplied with the equipment. Other types of spare electrodes can be supply on specific orders.

SPECIFICATION

Particular	Units	Heavy Duty Pneumatic Operated Rocker ARM Type Spot Welding Machine			Heavy Duty Pneumatic Spot Welding Machine			
		10K-WHRP	12K-WHRP	15K-WHRP	15K-WHP	20K-WHP	25K-WHP	30K-WHP
Model	Units							
Rating @ 50% Duty Cycle	KVA	10	12	15	15	20	25	30
Input Supply	Volts	380/440	380/440	380/440	380/440	380/440	380/440	380/440
Phase		2	2	2	2	2	2	2
2 Lines of 3 Phase Supply								
Insulation Class		A(CU.)	A(CU.)	A(CU.)	A(CU.)	A(CU.)	A(CU.)	A(CU.)
Nominal Throat Clearance	MM	250	250	250	250	250	250	250
Throat Depth	CM	50	50	50	50	50	50	50
Max. Available Short Circuit Current	K. Amps	7.5	8	10	10	12	15	18
Max. Electrode Force @ 6 kg/cm ²		450	450	450	450	450	450	450
Max. Upper Electrode Stroke	MM	50	50	50	50	50	50	50
Cooling for Arms & Electrode	Water	Water	Water	Water	Water	Water	Water	Water
Cooling		Natural Air						
Approx Dimension in mm	H	1280	1280	1280	1620	1620	1900	1900
	L	660	660	660	750	750	1040	1040
	W	465	465	465	500	500	510	510
Approx. Weight 100% Copper	Kgs.	172	175	180	225	255	290	320
Approx. Weight Semi-Copper	Kgs.	165	167	173	217	245	-	-
User has to Provide the Following Services								
Size of Main Supply Copper Cable	MM ²	12	12	16	16	20	25	25
Recommended Switch Rating	Amps	24	32	32	32	40	60	75
Delayed Action Fuse Rating	Amps	20	20	32	32	32	63	63
External Water Supply at Max. Temp. 30°C	Lit./Min	5	5	6	6	7	7	7



200A-W1PS



200A-W1ARC



200A-WSS



250A-WSR



400A-WHR



6K-WSS



400A-WDHR



10K-WSS



10K-WHS



25K-WHP



MFG. BY :
WELSON ELECTRICALS
RAJKOT (INDIA)