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SPOT WELDING MACHINE

Capacitance energy storage spot welding machine is the use of capacitance energy storage and instantaneous release of current, at the same time, the concentration of large current through small points when the fusion effect (welding process in It's done in a few thousandths of a second, with thousands of amperes flowing in between).







SPOT WELDING MACHINE

Mainly used in copper, stainless steel, silver, nickel alloy materials, as well as the welding between different metals. It is widely used in the fields of industrial production and manufacturing, such as construction, automobile, hardware, furniture, household appliances, kitchen appliances, motorcycle accessories, toys, lighting, and microelectronics, glasses, etc.





FJW-C-2K Digital Dial Code Type



FJW-C-2K Touchscreen



FJW-C-2K

Intelligent Microcomputer



FJW-C-3K



FJW-C-3K Touchscreen



FJW-C-5K



FJW-C-7K



FJW-C-10K



FJW-C-15K

Touchscreen



FJW-C-18K/20k



FJW-C-18K

Touchscreen



FJW-C-25K



SPOT WELDING MACHINE

Mainly used in copper, stainless steel, silver, nickel alloy materials, as well as the welding between different metals. It is widely used in the fields of industrial production and manufacturing, such as construction, automobile, hardware, furniture, household appliances, kitchen appliances, motorcycle accessories, toys, lighting, and microelectronics, glasses, etc.





FJW-C-30K

Large Power Capacitor Discharge Spot Welding Machine



FJW-C-40K

Refrigerator CompressorThree Station Spot Welding Machine



FJW-C-50K

Automobile Gas Storage Tank End Cap Nut Welding Machine



FJW-CD-2K

Single slide Double **Point Welding**



FJW-CD-2K

Double slide Double **Point Welding**



FJW-CD-3K



FJW-CD-15K



FJW-CD-18K

Stainless Steel Pan Handle **Spot Welding Machine**



FJW-CD-20K

Non Stick Coating **Spot Welding Machine**



FJW-CD-45k



FJW-C/CD-25K

Non Stick Coating Pan Handle Spot Welding Machine



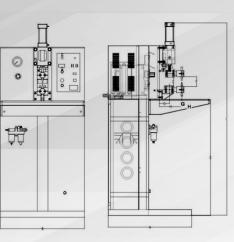
www.indotara.co.id

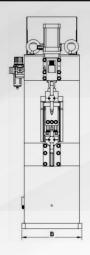
SPOT WELDING MACHINE

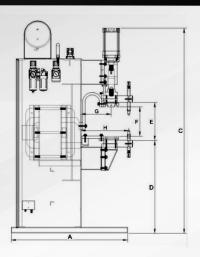
Mainly used in copper, stainless steel, silver, nickel alloy materials, as

well as the welding between different metals. It is widely used in the fields of industrial production and manufacturing, such as construction, automobile, hardware, furniture, household appliances, kitchen appliances, motorcycle accessories, toys, lighting, and microelectronics, glasses, etc.









Exterior Assembly Diagram

Model	Voltage V	Power KVA	Output Heat W.S	Capacitance UF	Electrode Force KG	Electrode Stroke mm	Overall Dimension A mm	Overall Dimension B mm	Overall Dimension C mm	Overall Dimension D mm	Overall Dimension E mm	Overall Dimension F mm	Overall Dimension G mm	Overall Dimension H mm
FJW-C-1K	220 1PH	1	300	3000	30	25	545	550	1250	760	58	65	68	150
FJW-C-2K	220 1PH	2	500	4500	100	50	545	550	1250	760	58	65	68	150
FJW-C-2.5K	220 1PH	2.5	1000	9000	100	50	545	550	1250	760	58	65	68	150
FJW-C-3K	380 3PH	3	1500	14000	350	80	950	590	1580	790	250	205	245	370
FJW-C-5K	380 3PH	5	3000	28000	350	80	700	390	1570	770	270	225	245	390
FJW-C-7K	380 3PH	7	4500	42000	800	100	950	490	1675	758	310	240	245	390
FJW-C-10K	380 3PH	10	6000	60000	1000	100	950	490	1670	740	320	240	330	460
FJW-C-12K	380 3PH	12	7000	70000	1000	100	950	490	1670	740	320	240	330	460
FJW-C-15K	380 3PH	15	8000	80000	1000	100	950	490	1670	740	320	240	330	460
FJW-C-18K	380 3PH	18	10000	100000	1500	100	950	490	1670	740	320	240	330	460
FJW-C-20K	380 3PH	20	15000	150000	1500	100	950	490	1670	740	320	240	330	460
FJW-C-25K	380 3PH	25	18000	180000	2000	100	950	600	1670	740	320	240	330	460
FJW-C-30K	380 3PH	30	20000	200000	2000	100	1100	600	1670	740	320	240	330	460
FJW-C-40K	380 3PH	40	25000	250000	2000	100	1100	600	1670	740	320	240	330	460
FJW-C-50K	380 3PH	50	30000	300000	2000	100	1100	600	1670	740	320	240	330	460
FJW-C-60K	380 3PH	60	35000	350000	2000	100	1100	600	1670	740	320	240	330	460









SPOT WELDING MACHINE

The medium frequency inverter spot welding machine can rectify three-phase AC to DC and DC inverters into medium frequency 1000Hz square wave through the inverter circuit composed of IGBT. Then medium frequency 1000Hz square wave is connected into the primary of welding transformer, and the welding transformer make it with lower voltage and rectify it to be a dc supply electrode with little pulsation to the electrodes to weld the work piece. The inverter can adjust the duty ratio of IGBT by feedback the primary or secondary welding current, so as to achieve the effect of constant current in the welding process.





SPOT WELDING MACHINE

For copper, aluminum, nickel, molybdenum, tungsten, manganese, gold, silver and other non-ferrous metal welding. Widely used in low carbon steel plate, stainless steel plate, galvanized sheet, aluminum plate, wire welding, multipoint projection welding, the automobile manufacturing industry of high strength steel, steel spot welding, nut projection welding, as well as the high and low voltage electrical industry welding of copper, silver contact and copper sheet.





FJW-MF-5K



FJW-MF-5K



FJW-MF-300K Water Kettle Spout Medium Frequency Spot Welding Machine



FJW-MF-10K/50K



FJW-MF-400K/500K

Conductor Wire Terminal Medium Frequency Spot Welding Machine



FJW-MF-15K/50K



FJW-MF-25K



FJW-MF-75K/120K



FJW-MF-75K

Touchscreen

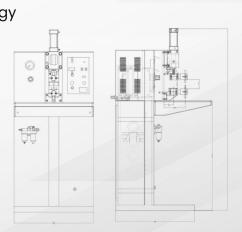
SPOT WELDING MACHINE

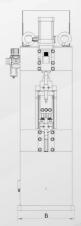
For copper, aluminum, nickel, molybdenum, tungsten, manganese, gold, silver and other non-ferrous metal welding. Widely used in low carbon steel plate, stainless steel plate, galvanized sheet, aluminum plate, wire welding, multipoint projection welding, the automobile manufacturing industry of high strength steel, steel spot welding, nut projection welding, as well as the high and low voltage electrical industry welding of copper, silver contact and copper sheet.

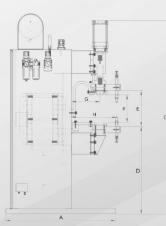


FEATURE

- The current in secondary welding loop is DC, Dramatically reduce the impact to the welding current due to the inductive reactance in secondary loop when conducting welding to the work piece.
- Three-phase balanced load can reduce the requirement to the power supply system. The power factor is close to 1, No electrical inductance, so no need to adjust the power factor.
- Eradicate the contamination to the power supply, It is a kind of environmentally friendly welding method, No need to provide power independently, It is able to be used together with robotic welding system.
- Reduce power consumption, energy saving, Reduce the requirement of cables and lots of maintenance cost.
- The weight of transformer is reduced greatly, It is light and convenient, The weight and size of the MF transformer is only 1/3 of the AC type transformer, Suitable for robot welding system.
- Increase the heat input efficiency, The output of welding transformer is DC voltage, without the disturbance of inductance, Pure DC has no defect of zero passage, The efficiency of heat is enhanced dramatically.
- Intelligent digital full-closed loop control, The welding control current will be more precise, The adjustment precision and monitoring precision is 20 times higher than the AC system, Be able to protect the inverter and transformer.
- Increase the stability of the welding technology, DC welding technology is good and the welding parameters are of wide application, The secondary current could achieve actual constant current, Have better using prospect than AC.
- Digital control can better improve the current control and measurement accuracy, The welding time precision is ms which can help you control the welding time at random.
- Be able to weld aluminum and galvanized metal with good welding quality.
- Especially suitable for welding three-layer metal sheet or very thin material and precision welding requirement.
- Precision inverter DC resistance welding, Higher inverter frequency, more accurate control of the current.







Exterior Assembly Diagram



SPOT WELDING MACHINE

For copper, aluminum, nickel, molybdenum, tungsten, manganese, gold, silver and other non-ferrous metal welding. Widely used in low carbon steel plate, stainless steel plate, galvanized sheet, aluminum plate, wire welding, multipoint projection welding, the automobile manufacturing industry of high strength steel, steel spot welding, nut projection welding, as well as the high and low voltage electrical industry welding of copper, silver contact and copper sheet.



Model	Voltage V	Rated Capacity KVA	Max Short Circuit Current	Duty Cycle Rate %	Electrode Force KG	Electrode Stroke mm	Cooling Water L/min	Overall Dimension A mm	Overall Dimension B mm	Overall Dimension C mm	Overall Dimension D mm	Overall Dimension E mm	Overall Dimension F mm	Overall Dimension G mm	Overall Dimension H mm
FJW-MF-5K	380 3PH	5	1.5	50	30	25	10	545	550	1250	760	58	65	68	150
FJW-MF-10K	380 3PH	10	3	50	100	50	20	545	550	1250	760	58	65	68	150
FJW-MF-15K	380 3PH	15	4.5	50	100	50	20	545	550	1250	760	58	65	68	150
FJW-MF-25K	380 3PH	25	7.5	50	350	80	20	700	390	1570	765	275	225	255	390
FJW-MF-35K	380 3PH	35	10	50	350	80	20	700	390	1570	765	275	225	255	390
FJW-MF-50K	380 3PH	50	13	50	800	100	30	950	490	1675	758	310	240	245	390
FJW-MF-75K	380 3PH	75	18	50	800	100	30	950	490	1675	758	310	240	245	390
FJW-MF-100K	380 3PH	100	21	50	1000	100	30	950	490	1675	758	310	240	245	390
FJW-MF-120K	380 3PH	120	23	50	1000	100	30	950	490	1675	758	310	240	245	390
FJW-MF-160K	380 3PH	160	28	50	1000	100	30	950	490	1675	758	310	240	245	390
FJW-MF-200K	380 3PH	200	32	50	1500	100	30	950	490	1675	758	310	240	245	390
FJW-MF-250K	380 3PH	250	40	50	1500	100	50	950	600	1675	758	310	240	245	390
FJW-MF-300K	380 3PH	300	48	50	2000	100	50	950	600	1675	758	310	240	245	390
FJW-MF-350K	380 3PH	350	55	50	2000	100	60	950	800	1675	758	310	240	245	390
FJW-MF-400K	380 3PH	400	62	50	2000	100	60	950	600	1675	758	310	240	245	390
FJW-MF-500K	380 3PH	500	70	50	2000	100	60	950	800	1675	758	310	240	245	390







SPOT WELDING MACHINE

AC pulse spot welder utilizes the general mains supply to lower the voltage and increase the electric current. Such kind of low voltage but large current will be transmitted from the electrode to the linked point of two work pieces. On the linkage, due to the resistance of work piece, high temperature will occur so the metal will therefore generate high heat to make the work pieces in molten condition. Thus, the purpose of welding the two work pieces is achieved.







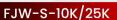
SPOT WELDING MACHINE

Suitable for spot welding or projection welding of steel plate and

stainless steel sheet. Iron wire products, hardware decorative lighting, kitchen utensils, automobile industry, small household appliances, small hardware, etc.









FJW-SP-200K/250K



FJW-S-25K/35K/50K



FJW-SP-300K



FJW-S-75K/100K/150K



Japan MIYACHI Controller



FJW-S-10K/25K



FJW-SP-25K Long Copper Rod



FJW-S-25K/35K/50K



FJW-SP-50K Long Arm



FJW-S-75K/100K/150K



FJW-SP-75K **Lockset Spot Welding Machine**

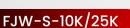


SPOT WELDING MACHINE

Suitable for spot welding or projection welding of steel plate and stainless steel sheet. Iron wire products, hardware decorative lighting, kitchen utensils, automobile industry, small household appliances, small hardware, etc.









FJW-S-25K/35K/50K



FJW-S-75K/100K/150K

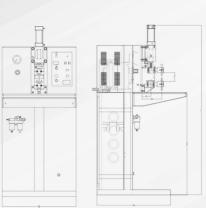


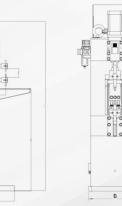
FJW-S-10K/25K

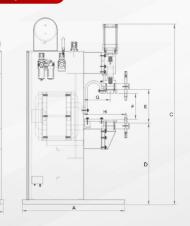


FJW-S-25K/35K/50K

Part Of Welding Sample











SPOT WELDING MACHINE Suitable for spot welding or projection welding of steel plate and stainless steel sheet. Iron wire products, hardware decorative lighting, kitchen utensils, automobile industry, small household appliances, small hardware, etc.



Model	Voltage V	Rated Capacity KVA	Max Short Circuit Current	Duty Cycle Rate %	Electrode Force KG	Electrode Stroke mm	Cooling Water L/min	Overall Dimension A mm	Overall Dimension B mm	Overall Dimension C mm	Overall Dimension D mm	Overall Dimension E mm	Overall Dimension F mm	Overall Dimension G mm	Overall Dimension H mm
FJW-S-5K	220	5	1	25	30	25	4	545	550	1250	760	58	65	68	150
FJW-S-10K	380 1PH	10	2.5	25	100	50	4	545	550	1250	760	58	65	68	150
FJW-S-16K	380 1PH	16	4.5	25	100	50	6	555	550	1260	760	58	60	68	150
FJW-SP-25K	380 1PH	25	7	25	350	80	6	700	390	1570	770	270	225	245	390
FJW-SP-35K	380 1PH	35	9	25	350	80	6	700	390	1570	770	270	225	245	390
FJW-SP-50K	380 1PH	50	13	25	800	100	6	950	490	1675	758	310	240	245	390
FJW-SP-75K	380 1PH	75	18	25	1000	100	8	950	490	1680	760	310	235	300	465
FJW-SP-100K	380 1PH	100	20	25	1000	100	8	950	490	1680	755	315	235	335	465
FJW-SP-150K	380 1PH	150	25	25	1000	100	8	950	490	1680	745	315	235	335	465
FJW-SP-200K	380 1PH	200	30	25	1500	100	10	950	550	1680	745	315	235	335	465
FJW-SP-250K	380 1PH	250	38	25	1500	100	12	950	550	1680	745	315	235	335	465
FJW-SP-300K	380 1PH	300	45	25	2000	100	16	950	600	1680	745	315	235	335	465

























HIGH QUALITY



SAVE ENERGY



EASY OPERATION

SECONDARY RECTIFYING

SPOT WELDING MACHINE

Secondary rectifying spot welder under the welding transformer secondary with high-power silicon diode rectifier group. transform AC current into DC current for welding work piece. Adopts welding frame structure which is formed after processing through stress relieving of aging treatment. High intensity, low deformation. Good rigidity in anti-vibration and anti-shock which can help to achieve stable welding and prevent electrode tip from slipping during pressurization.





HIGH QUALITY



SAVE ENERGY



EASY OPERATION

FJW-SZ-50Kx3

FJW-SZ-75Kx3

FJW-SZ-150Kx3



SECONDARY RECTIFYING

SPOT WELDING MACHINE Suitable for spot welding or projection welding of steel plate and stainless steel sheet. Iron wire products, hardware decorative lighting, kitchen utensils, automobile industry, small household appliances, small hardware, etc.



Model	FJW-SZ-75Kx3	FJW-SZ-80Kx3	FJW-SZ-100Kx3	FJW-SZ-150Kx3					
	4+4 Low Carbon Steel	4+4 Low Carbon Steel	5+5 Low Carbon Steel	6+6 Low Carbon Steel					
May Walding Thickness	3+3 Stainless Steel	3.5+3.5 Stainless Steel	4+4 Stainless Steel	5+5 Stainless Steel					
Max Welding Thickness	2.8+2.8 Aluminium Alloy	3.2+3.2 Aluminium Alloy	3.5+3.5 Aluminium Alloy	4+4 Aluminium Alloy					
	1.5 + 1.5 Brass	2 + 2 Brass	3 + 3 Brass	3.5 + 3.5 Brass					
Input Power		Three-Phase Four-Wire	380V±10% 50Hz						
Rated Capacity	250KVA	300KVA	350KVA	450KVA					
Rated Duty Cycle Rate	ty Cycle Rate 50 %								
Max Secondary Floating Voltage	7.6V	8.5V	9V	10.5V					
Secondary Max Short Circuit Current	50KA	63KA	65KA	75KA					
Controller Program Segment	Prepressing, Preheating, Cooling, V	Welding, Welding (Forge and Press), Co and tempering could be	poling, Tempering, Maintaining, Hold, adjusted respectively.	The Heat of Preheating, Weldi					
Compensation For power Grid Voltage Fluctuation	When The value of power grid	l voltage Fluctuates within the range o	f ±10%, the secondary voltage fluctua	tes within the range of ≤+3%					
Electrode Arm Length	350mm	400mm	400mm	400mm					
Upper Electrode Stroke		80mm ±	50mm						
Projection Welding Platform Dimension		250mm ±	250mm						
Electrode Pressure		0.6N	1pa						
Overall Dimension	1800x950x1900mm	2080x950x2250mm	2280x1150x2350mm	2280x1150x2350mm					









SUSPENSION PORTABLE TYPE

SPOT WELDING MACHINE

Suspension portable spot welding machine consist of welding gun, transformer, controller, water cooling system, pneumatic pressurization system, suspension device, etc. Compact structure, small size, light weight, move the welding gun to weld workpiece.





HIGH QUALITY



SAVE ENERGY



EASY OPERATION

SUSPENSION PORTABLE TYPE

SPOT WELDING MACHINE

SThis machine is mainly applied to welding low carbon steel, low alloy

steel, stainless steel, galvanized steel, sheet metal, etc. and widely used in automobile, commercial sheet metal, security doors, cabinets, household appliances, etc.











FJW-B-25K

FJW-B-50K

Copper And Aluminum **Butt Welding Machine**

FJW-B-200K

Flash Butt Welding Machine

FJW-TB-50K

T Type Butt Welding Machine



FJW-B-75K



FJW-B-75K

Part Of Welding Sample







SAVE ENERGY



EASY OPERATION

FOOT PEDAL TYPE

SPOT WELDING MACHINE

Foot pedal spot Welding machine adopts lever pedal spring pressurized structure, easy to operate, with quick response, suitable for a variety of accurate& complicated welding.

Widely used in welding of low carbon steel, stainless steel, aluminum and other metal mesh type, basket, plate material and other hardware crafts.





HIGH QUALITY



SAVE ENERGY



EASY OPERATION



FJW-FT-25K

FJW-FT-35K

FJW-FT-16K

DESKTOP HIGH PRECISION

SPOT WELDING MACHINE

Desktop High Precision spot welding machine is divided into AC type, capacitor type, MF DC type power sources. Using microcomputer control, low pressure welding, stepless adjustment of electrode pressure range and stroke. Flexible with welding head. Be able to choose single-side single-point welding, single-side double-point welding, double-side single-point welding, and double-side double point welding.





HIGH QUALITY



SAVE ENERGY



EASY OPERATION



DESKTOP HIGH PRECISION

SPOT WELDING MACHINE

It is suitable for the welding of fine workpiece such as battery connecting piece, pole ear, leading piece and electrical switch, silver contact, resistance, SMT inductor, coil, sensor, fuse, wire and terminal. Widely used in battery, electronics, instrumentation, low-voltage electrical appliances and other industries.









FJW-S-10K



FJW-B-2K



FJW-CJ-1K



FJW-CJD-1K



FJW-CJ-2K



FJW-S-10K



FJW-S-10K









AUTOMATIC FEEDING

SPOT WELDING MACHINE

Automatic feeding spot welding machine is composed of standard spot welding machine and vibrating plate feeding mechanism, which can realize semi-automatic or automatic welding of workpiece. Various welding power sources such as capacitor discharge, MF DC and AC power can be selected.









AUTOMATIC FEEDING

SPOT WELDING MACHINE

Automatic feeding spot welding machine is composed of standard

spot welding machine and vibrating plate feeding mechanism, which can realize semi-automatic or automatic welding of workpiece. Various welding power sources such as capacitor discharge, MF DC and AC power can be selected.





- The vibration plate equipped with anti- reversal function and low noise design.
- High speed vibration screen sorting function to ensure the delivery speed of nuts.
- Direction of the conveyor rod to increase the guide device, feeding deviation is small, the output is more than 99% accurate.
- Suitable for nuts of four corners. six corners, round shape, M5, M6, M8, M10, M12, 7/16 and other sizes.

Automatic Nut Transport Spot Welding Machine











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