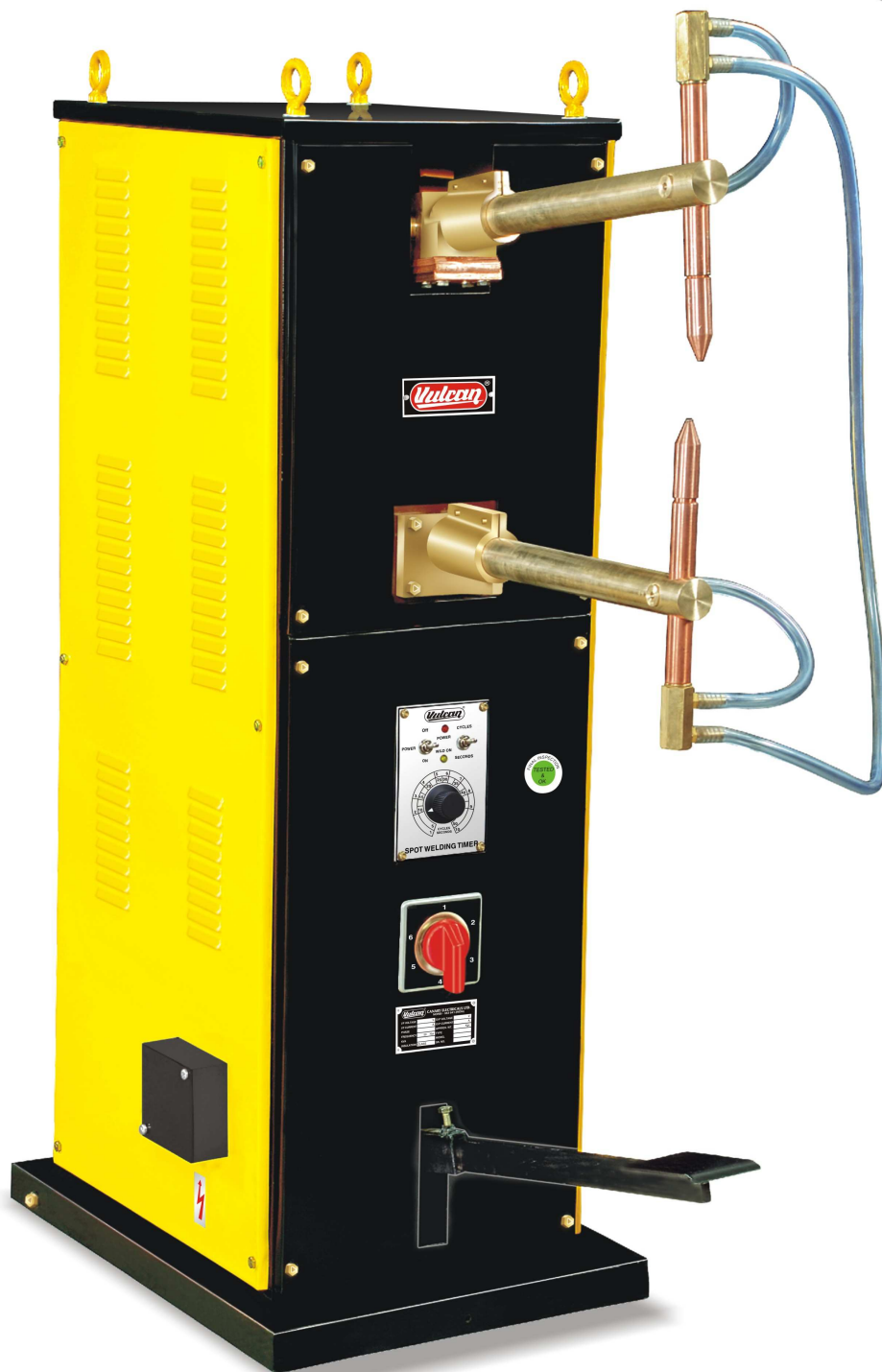




Welding Solutions
Since 1980

Spot Welding Machines
Pedal Operated Rocker Arm Type



SPOT WELDING



Spot Welding Machines (Pedal Operated Rocker Arm Type)

SCOPE AND APPLICATIONS

VULCAN Pedal operated Rocker arm type spot welding machines are offered in 6,8,10 and 15 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 varnishing by vacuum pressurized impregnating system to enhance reliability and service life.
- CURRENT CONTROL** : Current setting from min. To max. can be done by 6 position, off load tap changing switch.
- TIME CONTROL** : 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 derived from a heavy-duty compression spring mounted on a pressure rod with adjustable nut. Here is a special arrangement in the machine-minimises operator fatigue and ensures simple setting.
- COOLING** : Electrodes, and arms are provided with water cooling arrangement with hose connections. (Water supply & coolant pump 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.
- CABINET** : Modern looks, novel design concepts. Epoxy powder coated body for rust free long life.

SPECIFICATIONS

PARTICULARS			UNIT	VS-6			VS-8			VS-10			VS-15		
Input Supply			Volts	415 V, 1 Phase (2 lines of 3 phase supply), 50 Hzs. AC											
Rating @ 50% Duty Cycle			KVA	6			8			10			15		
Nominal Throat Clearance			MM	250											
Throat Depth			MM	200	300	400	300	400	500	300	400	500	300	400	600
Welding Range															
Mild Steel	Max.2x	MM	2.0	1.6	1.0	2.5	2.0	1.25	3.0	2.5	1.5	3.5	3.0	1.0	
	Min.2x	MM	0.3	0.25	0.1	0.35	0.3	0.2	0.4	0.3	0.2	0.6	0.5	0.1	
Brass Steel	Max.2x	MM	0.8	0.7	0.45	1.0	0.9	0.6	1.2	1.1	0.75	2.0	1.5	0.9	
	Min.2x	MM	0.17	0.1	0.08	0.2	0.1	0.08	0.25	0.2	0.12	0.3	0.2	0.1	
Stainless Steel	Max.2x	MM	1.6	1.4	0.8	2.0	1.8	1.0	2.4	2.2	1.2	3.0	2.4	0.9	
	Min.2x	MM	0.25	0.2	0.12	0.3	0.25	0.15	0.32	0.28	0.18	0.4	0.3	0.1	
Max. Available short ckt. Current			KA	6.5	5.5	5	8	7.5	7	8.5	7.5	6	11	10	8
Nominal Electrode Force (Approx)			Kg.	150	100	75	150	100	75	150	100	75	150	100	60
Max. Electrode Stroke			MM	70											
Insulation			Class	A (Copper Wound)											
Max. Dimensions Without Arm (Approx)	L	MM	600						630						
	W	MM	390						440						
	H	MM	1330						1330						
Weight Without Arm (Approx)			Kgs.	120			130			140			150		
Confirms to				IS - 4804 (Part II) - 1968											
Customers to provide the following services															
External Water supply at max. Temp. 30° C			Lit./Min	3						5					
Size of mains Supply Copper Cable			MM ²	8			10			12			15		
Recommended Switch Rating			Amps	30											
Delayed Action Fuse Rating			Amps	20						30					

Note : We reserve the right to modify the equipments and change the specifications without prior notice as a part of the continuous development research policy.

WE ALSO MANUFACTURE :

All types of arc welding transformers, TIG Welding equipments, pneumatic spot welding machines, welding rectifiers, MIG/MAG welding machines, electroplating rectifiers & step-up transformers.

Mfg. by :

An ISO 9001:2008 Certified Company

CANARY ELECTRICALS PVT. LTD.

"Arc House", Moon Nagar, 2- Lati Plot, MORBI - 363 641 - Gujarat (India)

Ph. : +91-2822-250431/32, Cell : +91-96876 17435, Tele Fax : +91-2822-250433

E-mail : info@vulcanwelding.com Web : www.vulcanwelding.com