

SPOT WELDING MACHINE SP

Spot Welding Machines are designed for high quality welded nugget forming and high productivity spot welding operations.

Right Frame :

Strongly welded structure of heavy steel sections.

Quick response welding head :

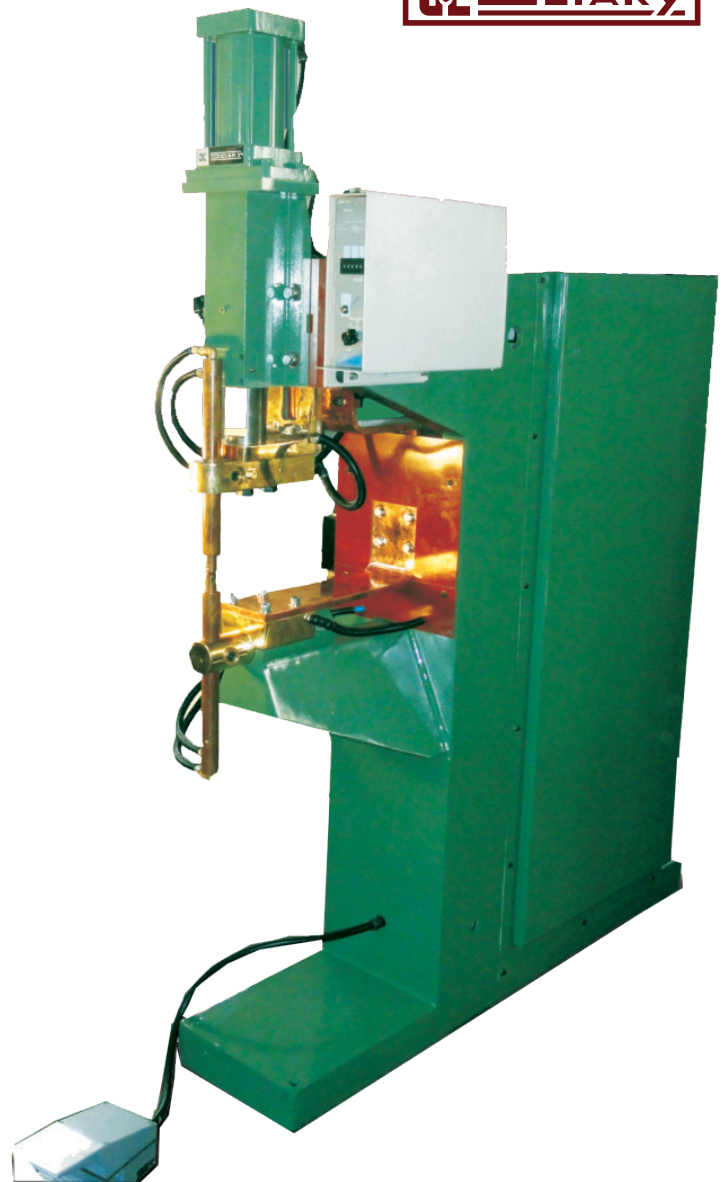
Double acting pneumatic cylinder operated through quick exhaust air valve alongwith hardened and ground steel ram moving in accurately bored cast iron housing for quick response and high production needs.

Encapsulated welding transformer

Complete encapsulation of primary and secondary coils in epoxy resin under vacuum allows high duty cycle, high durability and excellent resistance to dust, humidity and vibrations.

Low impedance secondary circuit

Low impedance transformer design associated with high quality, generous section conductors in energy efficient secondary circuit configuration ensures higher welding current at lower input. Several throat depth configurations to suit variety of jobs.



'State of art' welding control :

various models in CMOS IC Based or MICRO PROCESSOR based controllers.

Wide range

Many variations with different combinations of welding head, transformer, secondary circuit configuration, electrodes and toolings.

Options :

Nut Feeder
Weld Monitor

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Machine Data

Machine Type	UNIT	SP-25	SP-50	SP-75
Rating at 50% duty cycle	KVA	25	50	75
Maximum secondary short circuit current at throat depths (T.D.)				
400 mm / 450 mm	Amps	14000	20000	25000
600 mm	Amps	12000	16500	21000
Standard stroke	mm	50	50	50
Throat gap (T.G.)	mm	315	315	315
Maximum electrode force At 5.6 kg/cm ²	kg.	440	440	440
Weld cylinder dia.	mm	100	100	100

Machine Installation Data

Power supply (across 2 phase)		415V, 50Hz	415V, 50Hz	415V, 50Hz	
Supply cables size	Cu	sq. mm	16	35	50
	Al	sq. mm	25	70	95
Disconnect fuse (HRC) rating		Amps	60	125	200
Water supply (Inlet temp. 30° C; Pressure 3 kg/cm ²)		Lit/min	15	15	15
Air pressure max. operating kg/cm ²			7.0	7.0	7.0

Machine Size

Dimensions	Height H	mm	2025	2230	2230
	Width L	mm	450	560	560
	Length L (min TD)	mm	1715	1715	1715
	Length L (max TD)	mm	2315	2315	2315
Weight (approx.)		kg.	1500	1800	2100

**Specifications and dimensions are subject to change in accordance to our policy of continuous improvement.*



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