



**MODEL SWE (A)**  
**ROCKER ARM PEDAL OPERATED SPOT WELDER**





### Special Features:

Rocker Arm Type Spot Welders are most suitable for mass production due to less operational efforts, Machine conforms to latest Indian and International Standards. These machines are designed and developed to meet the needs of a vast number of metal fabrication shops.

### Advantages:

Besides spot welding the machine can also be used for Electro brazing, Cross wire welding and resistance heating.

### Salient Design Features:

Machine Body is designed for its ruggedness and easy maintenance. A heavy machined bracket is provided on top of the frame for Rockering the upper arm holder.

"T" slotted face plate allows both vertical and horizontal adjustment of lower arm. Increased current carrying section because of special electrode holder clamping system. Easy accessibility for maintenance of Electrical, Electronic and Mechanical components.

### Welding Transformer:

With special design technique adopted to offer, maximum efficiency of the transformer, conforming to latest IS/4804 part I. It is Air/Water cooled, sandwich construction of coils having core of high grade electrical steel. Class 'F' vacuum impregnated transformer helps to withstand higher temperature.

## Pedal Operated Rocker Arm Spot Welder

### Electronic & Electrical Control System:

It consists of precision **STERCO SOLID STATE CMOS INTEGRATED WELD TIMER** having timing range 5-99-199 cycles, adjustable in step of one cycle by means of Thumb Wheel switch alongwith heavy duty Electromagnetic Contactor for switching purpose. Tap changing switch in 8 steps from 50 to 100% for adjustment of welding current. A mechanism coupled switch provided in the machine which initiates the weld only after preset pressure is built up.

### The Electrode System:

Electrode Force is attained through the rocker arm mechanism coupled with foot pedal. Electrode force can be varied by adjusting the nut provided on the back-rod below the compression spring of rocker arm mechanism.

### Cooling System:

Arms, electrode holders, electrode etc are water cooled. Water cooled transformers can be provided at an extra cost.

### For Fine Control:

A pair of thyristor can be provided for switching purpose in place of electro magnetic contactor at an extra cost. By using thyristor Heat Current can be controlled from 5 to 95% of the current available. Weld time is also adjustable from 1 to 99 cycles in step of one cycle each.

## TECHNICAL SPECIFICATIONS

MODEL	SWE(A)-5	SWE(A)-10	SWE(A)-15	SWE(A)-25	SWE(A)-35	SWE(A)-50	SWE(A)-75
Rating KVA at 50% duty cycles	5	10	15	25	35	50	75
Throat clearance Min. mm	100	100	175	175	175	175	175
Max. mm	200	200	300	300	300	350	350
Max. available short circuit current at 30 cm throat depth K. Amps.	6.5	9.5	10.5	16	19	24	28
Nominal electrode force @ 300 mm T.D. Kg.	75	100	150	200	200	250	250
Rocker Arm Dia. mm	31.5	38	51	57	57	62	70
Electrode Holder Dia mm	15.75	19	22	25.4	25.4	25.4	32
Length of Upper Electrode Holder. mm	200	200	200	200	200	200	200
Length Lower Electrode. mm	200	200	200	200	200	200	200
Type of Transformer Cooling	Air	Air	Air	Air	Air	Water	Water
Arms & Electrode	Water	Water	Water	Water	Water	Water	Water
Overall dimension in cms.							
Approx. WXDHX	30x50x110	30x55x125	33x60x125	35x63x130	35x63x130	40x72x140	40x75x140

This model is also available in pneumatically operated system, ask for Model SWE (P)

Note: We reserve the right to change design and modify specifications at the discretion of our technical department.

### OUR OTHER PRODUCTS ARE :

- \* D.C. Welding Rectifier.
- \* A.C. Arc Welders
- \* Wire/Strip Butt Welder.
- \* Band Saw Butt Welder.
- \* Heating/Annealing equipment.
- \* Electroplating Rectifier.
- \* Servo Automatic Voltage Stabilizer.
- \* All type of Welding Accessories & Gas Welding Equipments.

Manufactured by:

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