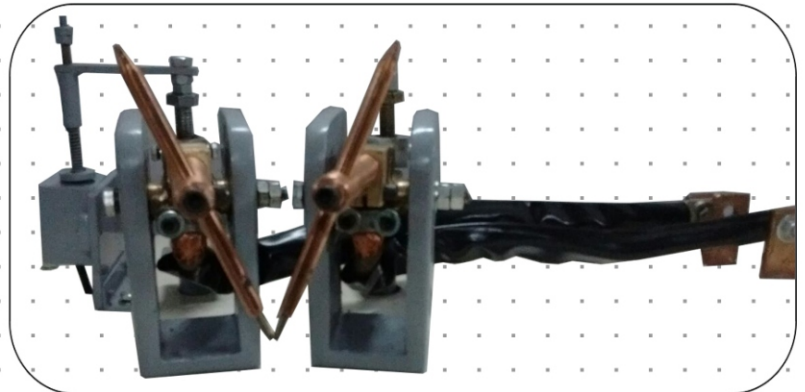




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# SHREEJI

## WELD INDUSTRIES



### BATTERY CELL SPOT WELDER PEDAL OPERATED

#### APPLICATIONS :

*This unique machine has been specially developed for precision welding work as encountered in manufacture of Vacuum tubes, instruments, dentures, fountain pen nibs, artificial jewellery, spectacle frames, bulbs filaments etc.*

*The machine is a highly versatile being capable of tackling delicate welds and on the other hand possesses adequate capacity to weld M.S. rods upto 12 SWG.*

*It is possible to weld to a high degree of accuracy, materials such as Brass, Stainless steel etc.*

*The machine has also been found to very useful in Universities, Colleges, Research Laboratories and technical Institutes.*

**We Also Manufacture : Arc Welders, Spot Welders, Butt Welders, Argon Arc Welders, Seam Welders, Pneumatic, Pedal Operated, Table Mounted, Portable and Resistance Heating Equipments.**

## SP 3 WELD ABILITY

| MATERIALS |      | Low – Carbon – Steel<br>MS |     | Stainless Steel<br>SS |     | Brass |     |
|-----------|------|----------------------------|-----|-----------------------|-----|-------|-----|
|           |      | SWG                        | TPW | SWG                   | TPW | SWG   | TPW |
| SHEET     | Min. | 56                         | 43  | 58                    | 43  | 58    | 10  |
|           | Max. | 16                         | 7   | 16                    | 10  | 28    | 4   |
| WIRES     | Min. | 30                         | 56  | 26                    | 66  | 20    | 20  |
|           | Max. | 12                         | 5   | 20                    | 28  | 14    | 11  |

## SPECIFICATIONS

|  |   |
|--|---|
| RATING<br>3 KVA @ 50% Duty Cycle.  | MAINS SUPPLY<br>220 Volts, Single phase, 50 Cycles  |
| MAX. AVAILABLE CURRENT<br>(SHORT CIRCUIT)<br>3600 Amps @ 15% Duty Cycle. | TOTAL NET WEIGHT<br>110 kgs. (250 lbs)  |
| ELECTRONIC CONTROL   | Rugged "SHREEJI WELD INDUSTRIES" Solid State Electronic Timer.  |
|  | Timing<br>Short Range 5 - 50 cycles.<br>Long Range 1 - 10 secs (50 to 500 cycles)   |
| CURRENT CONTROL  | By means of 3 primary and 3 secondary taps on the transformer to provide welding current adjustment in 9 steps. Primary taps (High / Low / Medium) manipulated by a heavy duty snap action rotary switch.                           |
| WELD PRESSURE  | Provide by a sensitive spring carried on the welding head and regulated by a finely threaded large nut from 2 to 80 lbs. Only a fraction of the actual electrode force required on the pedal due to the lever arrangement provided. |
| WELD INITIATION  | By means of a built – in switch which initiates the weld only after steady preset pressure is built up.   |
| CONTACTOR  | Rugged heavy duty contactor   |
| PACKING DIMENSIONS   | 1470 × 860 × 1340 mm. (58" × 34" × 53")   |
| TRANSFORMER  | Specially designed, low leakage reactance, air cooled transformer having specially coils.   |
| CONSTRUCTION   | All machine components fitted on 900 mm × 450 mm × 750 mm (36" × 18" × 30") Wooden topped steel table with 3 lockable drawers.  |
|  | Attractively designed welding head carrying the upper and lower electrode arms and spring control mechanism fitted on the table.  |
|  | Transformer, Timer and primary contactor housed in an attractively finished sheet steel box mounted on the rear side of the table.  |
|  | Connections from transformer output terminals to the welding head by means of a path of heavy duty cables.  |
|  | Throat Depth<br>150 – 200 mm (6" – 8")  |
|  | Throat Height<br>100 mm (4")  |
|  | Electrode Gap<br>10 – 3 mm (3/8" - 1/8")  |



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## SHREEJI WELD INDUSTRIES

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