

SOHAL  
ELECTRIC  
WORKS

# GENERAL PURPOSE SPOT WELDERS

TS 10  
&  
TS 15



**INTRODUCTION:** The spot welders are heavily used in to days sheet metal component Industries. The principal of spot welding is based on clamping two sheets in-between the jaw of copper electrodes and then pass high current of low voltage for the time from 0.1 to 1 second, in this time the inner layer of two sheets become in molten state and solidify rapidly when the current flow stops and a spot weld results.

**ADVANTAGES:** There are many advantages of spot welding over another welding technologies viz; It's simplicity of welding process, excellent strength, no filler metal required and ease for the operator to make welds etc.

**TS 10 & TS 15:** The TS 10 & TS 15 modes of spot welders are general purpose spot welders that can complete the many type of spot weld needs. These models known to their simple construction and rugged body. No electrically moveable part is used in the machines. Only foot pressure and electricity for transformer is to be needed. These model of spot welders play major role in sheet metal component manufacturing.

**SPECIFICATIONS:**

<b>ITEM</b> \ <b>MODEL</b>	<b>TS 10</b>	<b>TS 15</b>
Supply	415 V $\pm$ 10% 2 Phase, 50 Hz	415 V $\pm$ 10% 2 Phase, 50 Hz
KVA	10 KVA	15 KVA
Duty cycle	60 %	60 %
PF	0.80	0.80
Insulation class	'F'	'F'
Throat depth	280-330 mm	280-330 mm
Throat clearance	190 mm	190 mm
OCV	1.6 to 2.35	2.3 to 3.6
Current steps	5 Steps with OFF	5 Steps with OFF
Transformer cooling	Air cooled	Air cooled
Electrode cooling	Water cooled	Water cooled
Maximum overall dimensions (H X W X D)	Without electrode 1400 X 390 X 850 mm	Without electrode 1400 X 390 X 850 mm

*\* In view of continuous research & devolvments, all the specifications are subjected to change without prior notice.*

**MANUFACTURED BY:**

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