



**SUPRA**

**INV SAW 1250**

**NEW GENERATION**

**SUPRA INV SAW 1250**

**SUPRA INV SAW 1250** is an Inverter Based Submerged Arc Welding System suitable for Submerged Welding, Stick Welding, Carbon Arc Air Gouging.

**SALIENT FEATURES**

- Smooth & stable arc
- Small, Light Weight easy to handle.
- Immune to input voltage fluctuations
- More than 35 % power saving than conventional power source
- Built-in Overheating, under /over voltage protection indicators.
- Simultaneous drive of front and rear wheels, smooth motion.
- Double drive wire feeding with straightening mechanism.
- Suitable for dia 2.0 to 6.0 mm welding wire
- Rotatable and height adjustable cross beam

**TECHNICAL SPECIFICATIONS OF WELDING HEAD**

Sr. no.	Parameter	Unit	Value
1.	Input to control unit (from power source )	V	110
2.	Wire feed speed	m/min	0.2 – 2.2
3.	Welding speed	m/min	0.3 – 3.0
4.	Suitable diameter of wire	Ø mm	2 - 6
5.	Wire spool capacity	kg	25
6.	Flux hopper capacity (approx)	Kg	10
7.	UP Down adjustable range ( Tractor column)	mm	100
8.	Adjustable range of tractor head (Vertically, horizontally, forward & backward)	mm	100 x 100 x 70
9.	Horizontal rotation angle	deg	± 90
10.	Sloped angle (tractor head)	deg	± 45
11.	Tractor head inclination	deg	± 90
12.	Dimension (approx) LWH	mm	1020 x 480 x 740
13.	Weight (approx)	kg	45



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TECHNICAL SPECIFICATIONS OF POWER SOURCE			
Sr. No.	Parameter	Unit	Value
<b>INPUT</b>			
1.	Input Power Supply	VAC	415
2.	Phase	Nos	3
3.	Frequency	Hz	50 / 60
4.	Rated Input Power	A	85
5.	Input power @ 100% duty cycle	KVA	55
<b>OUTPUT</b>			
1.	No Load Voltage (OCV) max.	V DC	70-80
2.	Output welding current range	A	60-1250
3.	Voltage adjustment range	V	22-44
4.	Welding current at 100% duty cycle	A	1000
5.	Welding current at 60% duty cycle	A	1250
6.	Protection class		F
7.	Insulation class		IP 21
8.	Cooling	Type	Forced Air
<b>GENERAL</b>			
1.	Dimension LWH	mm	640 X 390 X 960
2.	Weight	Kg	136

**RAJIV** MACHINE TOOLS

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