

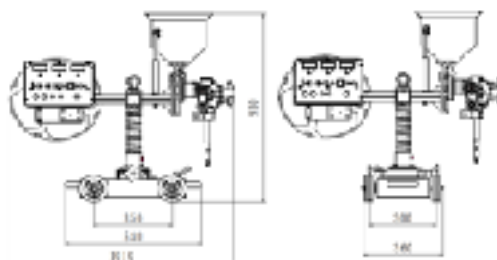
# INVERTER BASED SAW MACHINE

AUTOWELD-i Series machines are IGBT inverter based welding power sources with suitable tractor for submerged Arc Welding. The power source can be used for MMA welding and carbon arc gouging also



## Features

- Advanced '*Soft Switching*' Technology
- can be used for SAW, MMA and Carbon Arc Gouging
- 100 % duty cycle
- High Power Factor and Higher efficiency
- Digital Controller for precise control of voltage, current and trolley speed
- Pre-setting and digital display of voltage, Control & trolley speed
- Memory channel to store the welding parameters
- Wire diameter selection facility for precise arc characteristics
- Easy angle adjustment of wire feeder head



Overall Dimensions of Trolley

## Technical Specification

Machine Model	AUTOWELD- 631 i	AUTOWELD-1001 i	AUTOWELD-1251 i
Input Supply	3 phase 380 ~ 440 Volts 50 Hz Supply		
Input Power (KVA)	33	53	66
Current Adjusting Range (A)	60 ~ 630	100 ~ 1000	100 ~ 1250
Welding Voltage Range (V)	20 ~ 44		
Efficiency (%)	88		
Power Factor	0.93		
Duty Cycle	100 % duty cycle ( 40 °C and 10 Min)		
Insulation Grade	H		
Type Of cooling	Forced Air		
Weight Of the power Source (Kg)	68	125	125

### Specification of the tractor

Input Suuply	110 Volts derived from Power Source
Speed Of trolley (mm/ Min)	100 ~ 1500
Wire Feed rate (mm/Min)	40 ~ 2000
Vertical Adjusting range of trolley boom (mm)	140 mm
Horizontal Adjusting range of the head (mm)	93 mm
Wheel Centre distance of trolley (mm)	300
Angle adjustment of the torch head	± 30 °
Capacity of flux hoper (kg)	10
capacity of wire reel (kg)	25
Trolley Weight	52 Kg

Note: Specifications are subjected to change with out notice

### Basic Outfits

- Power Source
- Suitable Tractor
- 16 meters long control cable
- 15 meters welding cable
- 5 meters earthing cable
- 2 meters rail