

## 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* inverter technology.
- Can be used with 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, Current & trolley speed
- Memory channel to store/recall the welding parameters
- Wire diameter selection facility for precise arc characteristics
- Easy angle adjustment of wire feeder head



### Technical Specifications

Model	Input Power (KVA)	Current Range (A)	Weight (Kg)
AUTOWELD - 631 i	33	60~630	68
AUTOWELD - 1001 i	53	100~1000	125
AUTOWELD - 1251 i	66	100~1250	125
Input Supply – 380-440 V 3-Phase 50Hz Supply			
Insulation Grade – H			
Welding Voltage Range (V) – 20~44			
Open Circuit voltage – 75 Volts			
Efficiency at full load (%) – 88			
Power Factor – 0.93			
Duty Cycle – 100% ( 40 °C and 10 Min)			
Type Of cooling – Forced Air			

Specifications may subject to change without notice.

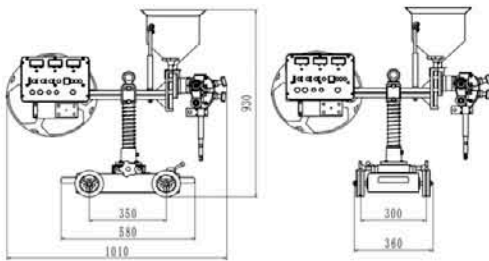
## TRACTOR

### Features

- Light weight.
- It can work on constant wire speed (CV) and variable wire speed (CC) mode.
- Scratch and retract Arc striking method.
- Digital display and precise presenting of parameters possible.
- Easy to adjust mechanism.
- Wire Inching facility.

### Basic Outfits

Power Source, Suitable Tractor, 16 meters long control cable, 15 meters welding cable, 5 meters earthing cable.



Overall Dimensions of Trolley

### Technical Specifications

Model	Input Supply (V)	Wire Diameter (mm)	Wire Spool Capacity (Kg)	Weight (Kg)
Tractor	110	1.6~3 / 2.5~5	25	52
Speed of the Trolley (mm/Min) – 100~1500				
Wire Feed Rate (mm/Min) – 40~4500				
Wheel Centre Distance of Trolley – 300				
Angle adjustment of the Torch Head – $\pm 30^\circ$				
Vertical Adjustment (mm) – 140 mm				
Horizontal Adjustment (mm) – 93 mm				
Capacity of Flux Hoper (Kg) – 10				

Specifications may subject to change without notice.