



Submerged Arc



SAW 1000

Application :

Heavy Fabrication
 Pressure Vessel
 Shipbuilding
 Rail Coach
 Pipe Mfg

Processes :

SAW (Submerged Arc Welding)
 ESW (Electroslag Welding)
 CAG (Carbon Arc Gouging)

Features :

Thyristor Technology.
 Rugged & Strong Power Source.
 Tractor / Boom mounted Welding Head.
 Stepless control of Voltage, Wire Feed & Tractor Speed.
 Horizontal & Vertical Slides precise adjustment of welding head.
 Flux Hopper ensures long & uninterrupted welds.
 Efficiency of 85%.
 Excellent Line Voltage Compensation.
 Dual Analog Meters.
 Operator friendly front panel controls.
 Simple Circuit easy for maintenance.



Technical Data :

Power Source

Input Voltage	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
352 - 477 V	75.7 kVA	20 - 45 V 200 - 1000 A	1000 A @ 100% duty cycle	78 VDC	L : 1075 mm W : 700 mm H : 970 mm	440 Kg.

Wire Drive Assembly & Tractor

Wire Feed Speed	Wire Size	Drive Motor	Max Spool Capacity	Travel Speed	Dimension	Weight
0.5 - 4 m/min	2.0 - 5.0 mm	24 VDC Permanent Magnet Gear Motor	27 Kg	10 - 150 cm/min	L : 1075 mm W : 700 mm H : 970 mm	0 Kg without flux & wire

Standard Package :

CC/CV Power Source - Tractor with Head & Drive Rolls - Interconnecting Cable 15 m
 Earth Cable 5 m with Clamp