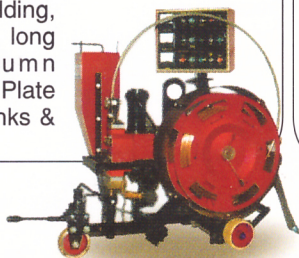


## Modular Automatic fully Thyristorised Full Wave output Submerged Arc Welding System

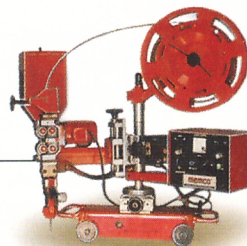
### Three wheel tractor

3 Wheel Tractor mounted to travel directly on plates with or without Rails with steering facility and Spot Light to check welding alignment, self driven mechanized Fully Thyristorised Tractor driven including automatic current stabilizer for both motors, swivel based Control Panel detachable with Remote Control Operation facility, Flux Hopper, Wire Spool Holder with Feeder, Wire straightener ideally suited for heavy long seam welding, fabrication of long Beam, Column Girder Bottom Plate of Storage Tanks & Ship Decks.



### Four wheel Trolley & Track

Welding Head fitted with Control Panel, wire inching UP/DN all by simple push button. Four wheel Trolley mounted with 3 meters rail. Sturdy proven construction for both indoor/site applications with clutch for easy access.



### Power Source

Fully Thyristorised, full wave infinitely variable Arc voltage setting over the entire range.

Automatic voltage stabilization offers smooth and easy operation over all the controls.

Modular design offers complete flexibility and instant adaptability to cover a wide area of application.

Design engineering offers flexibility and ease of servicing with almost zero down time.



The above power source is 100% copper wound with 100% duty cycle, housed in steel structural frame outer casing is duly phosphated, powder coated to withstand any offshore or adverse climatic condition (Tropical region)

### Versatile Welding From A Single Power Source

Highly efficient, Fully thyristorised CC/CV 400-2500 Amp capacity D.C. multi process welder, Offers, Stick, TIG, MIG, submerged & gouging process capabilities with stepless infinitely variable, with built in automatic current/voltage stabilizer.



### WELDING HEAD

Welding speed (Trolley Movement)	30 to 1200 mm/min
Wire feed speed	100 to 8000 mm/ min (Four Wheel Drive)
Wire diameter	2.0 mm to 5.0 mm Optional 6 mm
Maximum welding current	1500 Amps. DC/AC
Vertical adjustment	135 mm
Horizontal adjustment	135 mm
Swivel adjustment	360° of the beam supporting Control box, wire spool and welding head for four wheel trolley
Angular Displacement	45° transverse / parallel to seam
Wire drive motor P.M.D.C.	DC Thyristorised

### POWER SOURCE



MODEL MCWSAW	600	800	1000	1200	1500	2000
Input voltage supply	380/440	380/440	380/440	380/440	380/440	380/440
Phase	3	3	3	3	3	3
Cycle	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum output current	600	800	1000	1200	1500	2000
Duty cycle	100%	100%	100%	100%	100%	100%
Open circuit voltage	56v	56v	56v	60v	60v	60v
KVA at Max rated	35	40	60	70	85	120
Cooling (Force)	Air cooled	Air cooled	Air cooled	Air cooled	Air cooled	Air cooled
Insulation class	H	H	H	H	H	H
Overload protection	Thermal	Thermal	Thermal	Thermal	Thermal	Thermal
Recommended fuse	60	60	60	100	100	160
Dimension (Approx)						
Length mm	920	920	920	1015	1015	1015
Width mm	825	825	825	915	915	915
Height mm	940	940	940	1120	1120	1120
Weight kg.	415	430	480	550	570	595