

MAESTRO 600 T(F) / 800 T(F) / 1000 T(F) / 1200 T(F)



SAW

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APPLICATIONS

- These welding equipments/outfits are recommended for SAW welding of heavy duty longitudinal structures like girder, I-beams, plus beam welding applications, where high deposition rates and welding productivity are desired
- Ideal choice for butt weld, fillet weld, double V joint welding of plates as required in ship building industry, railway, construction of bridges, components of earth moving equipments etc
- Most suitable for thick plate welding applications where X ray quality welding with excellent mechanical properties and good finish of weld beads are essential good finish of welded joints/jobs is very important

SALIENT FEATURES

- Rugged and strong power source, tractor or boom mounted welding head, wire feed mechanism, spool holder, horizontal & vertical slides and feather touch control panel
- Highly reliable THYRISTOR based power source and THYRISTOR controlled wire feeder, carriage drive and X / Y / Z axis motion controls in case of boom mounted head, makes these outfits a real work horse SAW welding outfits for heavy fabrication workshops and project site
- Trouble-free operation - Negligible maintenance required for power source and welding head
- Option of Tractor mounted or Boom mounted heads are available depending on different application requirements
- Precise setting of weld parameter - Stepless infinitely variable Voltage adjustments through potentiometer stepless control of wirefeed speed as well as tractor speed
- Swivelling and Tilting arrangement of weld head ensures access to difficult welding areas, specially for fillet welding and jobs with wide range of dimensions/sizes
- Strong horizontal and vertical slides - smooth and jerkfree movements enables precise adjustment of welding head along the seam even during welding
- Flux hopper of adequate capacity (10kgs/7litr) ensures long and interrupted weld seams
- Operator friendly controls - Wire inch push button, OCV check push button, set/weld switch, carriage ON / OFF, UP / DOWN switch, Voltmeter/Ammeter, carriage speed adjustments provided on the control panel. Facility to check carriage speed and OCV prior to start of welding sequence



BRIEF SPECIFICATIONS:

MODELS	UNIT	MAESTRO 600 T(F)	MAESTRO 800 T(F)	MAESTRO 1000 T(F)	MAESTRO 1200 T(F)
Power Source	Model	PS 600 T (F)	PS 800 T (F)	PS 1000 T (F)	PS 1200 T (F)
Supply voltage / Phase	Volt / NO.	415 / 3	415 / 3	415 / 3	415 / 3
Input KVA @ 100% Duty cycle	KVA	34	44	50	63
Open circuit voltage	Volt	62	62	62	62
Welding Current Range	Amp	100 - 600	150 - 800	200 - 1000	200 - 1200
Welding current @ 60% Duty cycle	Amp	600	800	1000	1200
Welding current @ 100% Duty cycle	Amp	465	650	800	1000
Class of insulation	Class	H	H	H	H
Dimensions (LxWxH)	mm	930x685x940	1225x800x900	1225x800x900	1225x800x900
Weight (approx.)	Kg	240	350	365	390
Welding Head - Tractor mounted	Model	WH 15 T(F)	WH 15 T(F)	WH 15 T(F)	WH 15 T(F)
Welding Head - Boom mounted	Model	BOOM mounted SAW welding heads available with 3 options, namely WH 15-01 T (F)/ WH 15-02 T (F) and WH 15-03 T (F)			



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