

CASTOR 1000 / 1250

Application :

PEB Industry
Pressure Vessel
Shipbuilding
Power & Infra
Steel Girder Mfg.
Tank Mfg.

Processes :

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



Features :

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

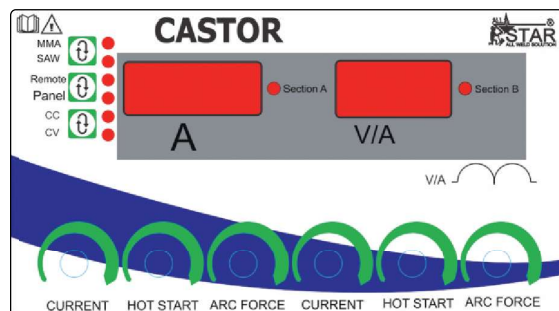


Technical Data :

Power Source

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
CASTOR 1000	400 V $\pm$ 15% 3 Phase 50/60 Hz	54.6 kVA / 48.1 kW	20 - 50 V 60 - 1000 A	1000 A @ 100% duty cycle	75 VDC	L : 775 mm W : 297 mm H : 810 mm	85 Kg.
CASTOR 1250		61.8 kVA / 54.4 kW	20 - 50 V 60 - 1250 A	1250 A @ 100% duty cycle			95.5 Kg.

Front Control Panel - Castor :



Tractor with Wire Drive Assembly

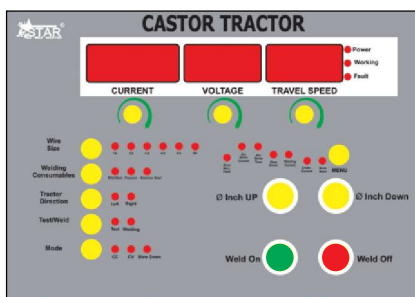


Technical Data :

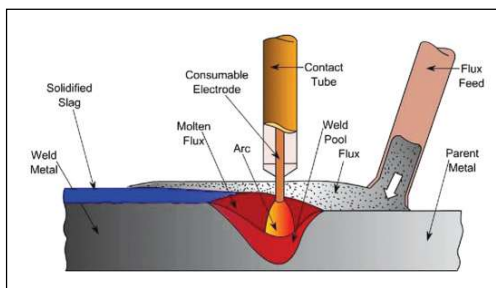
Tractor

Wire Feed Speed	Wire Size	Drive Motor	Max Spool Capacity	Travel Speed	Dimension	Weight
0.3 - 3 m/min	2.0 - 6.0 mm	110 VDC Permanent Magnet Gear Motor	27 Kg	20 - 220 cm/min	L : 1080 mm W : 480 mm H : 740 mm	55 Kg without flux & wire

Front Control Panel - Castor Tractor :



SAW Weld Process :



Standard Package :

CC/CV Power Source - Tractor with Welding Head & Drive Rolls - Interconnecting Cable 15 m - Weld Cable 15 m x 2 - Earth Cable 5 m x 2 with Clamp