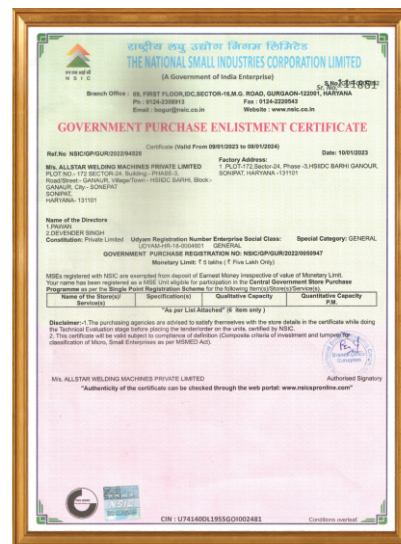




WELDING & CUTTING
2024-2025

CERTIFICATION



WE ARE PROUD TO SERVE



ABOUT US

ALLSTAR WELDING MACHINES PRIVATE LIMITED is a growing company in the field of manufacturing IGBT Inverter based MMAW, GMAW, Advanced GMAW, GTAW, SAW, AIR PLASMA CUTTING, PORTABLE CNC, and STUD WELDING Machines.

We have developed a state-of-the-art manufacturing facility spread over a vast area of 14000 Sq. Ft. and are fully equipped with the latest machinery and technology. The facility is capable of meeting any bulk order demands from client's end within a specified period of time.

Lead by a team of skilled and talented personnel, our manufacturing unit assures reliable and timely production. We endlessly endeavor to upgrade our infrastructure in order to enhance our credibility in the market.

Strong technical background of more than 27 years' experience in welding industry with better understanding of application & best product suggestion. We consider transparency, ethical approach and respect for commitments as our key responsibilities.



Some of the hi-tech machines that are used during the production process are :

- Laser Cutting Machine
- CNC Bending Machine
- Environmental Friendly Paint Booth
- Special Purpose Machine

TEAM ALLSTAR



Working together is Success....

POLARIS 400 / 500 / 630

Application :

Automobile
E-Mobility Mfg.
PEB Industry
Heavy Fabrication
Tanks & Vessels Mfg.
Power & Infra

Processes :

GMAW (MIG)
FCAW (Fluxcored)
SMAW (Stick)
GTAW (TIG)



Features :

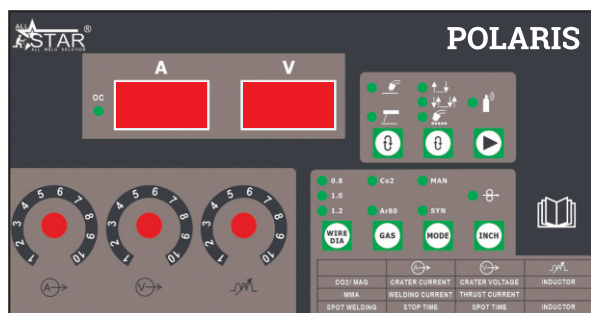
Soft Switching IGBT Inverter Technology
Synergic MIG Function
User Friendly Digital Front Panel
LED Display & Multi Function Encoder
Parameter Locking as Standard Feature
Step-less Voltage & Wire Feed Speed Control
LED Indicators for Mains ON & High Temperature Trip
LED Indicators with Membrane Switch for Selecting MIG/MMA, Wire Dia & Gas
Electronic Choke adjustment for better Arc Control
Crater Voltage & Time Setting
Pre & Post Gas Flow Setting
Burn back Setting available
Compatible to Generator Supply
Auxiliary Power Plug for Gas Presenter
4 Wheels for easy movement of machine on the shop floor
Efficiency of more than 85%
IP 23 Compliance
H Class Insulation



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
POLARIS 400	400 V $\pm$ 15% 3 Phase 50/60 Hz	16 kVA	16 - 40 V 20 - 400 A	400 A @ 60% duty cycle	70 VDC	L : 680 mm W : 400 mm H : 562 mm	30 Kg.
POLARIS 500		25 kVA	16 - 45 V 20 - 500 A	500 A @ 60% duty cycle			33 Kg.
POLARIS 630		36 kVA	16 - 45 V 60 - 630 A	630 A @ 60% duty cycle			36 Kg.

Front Control Panel :

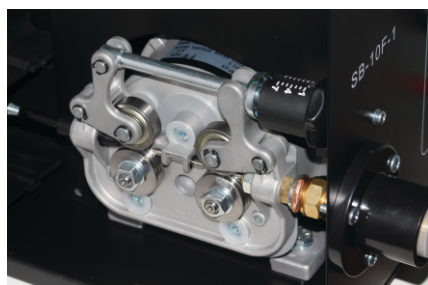


Wire Feeder :

- 24VDC Servo Motor
- Solid-state Speed Control & Brake Circuit
- 4 Roll All-Gear-Driven Roll Carriers
- Quick Release Drive Roll Pressure adjustment arm
- Remote Voltage Control
- Spool Cover to protect the Wire Spool from contamination



All-Gear-Driven 4 Roll Carriers :



Technical Data :

Input Supply	Wire Feed Speed	Wire Dia Capacity	Dimension	Weight
24 V	1.5 - 25 m/min	MS / SS / AL : 0.8 - 1.6 mm	L : 490 mm W : 350 mm H : 420 mm	14.5 kg.

Standard Package :

CC/CV Power Source - 4 Roll Drive Wire Feeder - Drive Rolls - 4.5 m Interconnecting Cable - 3 m Earthing Cable with Clamp - 3 m MIG Torch - CO₂ Heater - CO₂ Regulator with Flowmeter.

MIG 250F

Application :

Automobile
E-Mobility Mfg.
Sheet Metal Fabrication
Furniture

Processes :

GMAW (MIG)
SMAW (Stick)
GTAW (TIG)



Features :

IGBT Inverter Technology.
Dual Digital Meters.
Step less Voltage & Wire Feed Speed Setting.
Electronic Choke adjustment for better arc control.
Crater Voltage / Time & Pre / Post Gas Flow Setting.
Voltage & Current Parameter Locking (Upper Limit)
Burn back Setting available.
Compatible to Generator Power Supply.
Power factor is 0.9
IP 23S Compliance.



Technical Data :

Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
230 V $\pm$ 10% 1 Phase 50/60 Hz	11 kVA	14 - 28 V 20 - 250 A	200 A @ 60% duty cycle	75 VDC	L : 501 mm W : 275 mm H : 465 mm	16.2 Kg.
400 V $\pm$ 15% 3 Phase 50/60 Hz			250 A @ 60% duty cycle	65 VDC		

Wire Feeder :

24 VDC Servo Motor
Quick Release Drive Roll Pressure Adjustment Arm
4 Roll All-Gear-Driven Roll Carriers
Solid-state Speed Control & Brake Circuit
Remote Voltage Control.
Spool Cover prevents the Wire Spool from dust contamination.



Technical Data :

Input Supply	Wire Feed Speed	Wire Dia Capacity	Dimension	Weight
24 V	2 - 25 m/min	MS / SS / AL : 0.8 - 1.2 mm	L : 490 mm W : 350 mm H : 420 mm	14.5 kg.

Standard Package :

CC/CV Power Source - 4 Roll Drive Wire Feeder - Drive Rolls - 4.5 m Interconnecting Cable -
3 m Earthing Cable with Clamp - 3 m MIG Torch - CO₂ Heater - CO₂ Regulator with Flowmeter.

MIG 400F / 500F

Application :

Automobile
E-Mobility Mfg.
PEB Industry
Heavy Fabrication
Tanks & Vessels Mfg.
Power & Infra

Processes :

GMAW (MIG)
FCAW (Fluxcored)
SMAW (Stick)
GTAW (TIG)



Features :

IGBT Inverter Technology.
Dual Digital Meters.
Step less Voltage & Wire Feed Speed Setting.
Electronic Choke adjustment for better arc control.
Crater Voltage & Time Setting.
Pre & Post Gas Flow Setting.
Burn back Setting available.
Compatible to Generator Power Supply.
Power factor is 0.9
IP 23S Compliance.



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
MIG 400F	400 V $\pm$ 15% 3 Phase 50/60 Hz	16 kVA	16 - 40 V 20 - 400 A	400 A @ 60% duty cycle	70 VDC	L : 650 mm W : 320 mm H : 545 mm	28 Kg.
MIG 500F		25 kVA	16 - 45 V 20 - 500 A	500 A @ 60% duty cycle			33.5 Kg.

Wire Feeder :

24 VDC Servo Motor.
Quick Release Drive Roll Pressure Adjustment Arm.
4 Roll All-Gear-Driven Drive Roll Carriers.
Solid-state Speed Control & Brake Circuit.
Remote Voltage Control.
Spool Cover prevents the Wire Spool from dust contamination.



Technical Data :

Input Supply	Wire Feed Speed	Wire Dia Capacity	Dimension	Weight
24 V	1.5 - 25 m/min	MS / SS / AL : 0.8 - 1.6 mm	L : 490 mm W : 350 mm H : 420 mm	14.5 kg.

Standard Package :

CC/CV Power Source - 4 Roll Drive Wire Feeder - Drive Rolls - 4.5 m Interconnecting Cable -
3 m Earthing Cable with Clamp - 3 m MIG Torch - CO₂ Heater - CO₂ Regulator with Flowmeter.

MIG 350P / 500P

Application :

Rail Coach Mfg
Automobile
Shipbuilding
Aluminum Tank Mfg.
Defense Production

Processes :

GMAW (MIG)
GMAW-P (Pulse MIG)
Double Pulse MIG
FCAW (Flux-cored)
SMAW (Stick)



Features:

IGBT Inverter Technology.
Full Digital Control Synergic Pulse MIG.
100 Independent, user defined parameters
Burn back Setting available.
2T / 4T, Spot Welding Operating Modes.
Compatible to Generator Power Supply.
Power factor is 0.93
IP 23 Compliance & H Class Insulation.
Energy efficient than conventional machines.
Intelligent Air Cooling reduces dust, saves power & improves fan life.
3 proofing treatment to work in hostile environment.
Advanced Digital communication interface.
Flexible parameter adjustment like Thickness / Welding Angle / Arc Length / Inductance



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
MIG 350P	415 V $\pm$ 15% 3 Phase 50/60 Hz	14 kVA	14 - 45 V 20 - 350 A	350 A @ 60% duty cycle	70 VDC	L : 1040 mm W : 515 mm H : 1415 mm	44 Kg.
MIG 500P		25 kVA	14 - 50 V 20 - 500 A	500 A @ 60% duty cycle			46 Kg.

Front Control Panel - Power Source :



MIG 350P / 500P without Cooler :



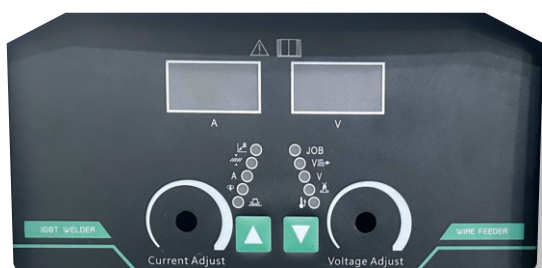
Wire Feeder :

24 VDC Servo Motor with Encoder.
Quick Release Drive Roll Pressure Adjustment Arm.
4 Roll All-Gear-Driven Drive Roll Carriers.
Solid-state Speed Control & Brake Circuit.
One Touch Control with adjustment of Current & Voltage (Optional).

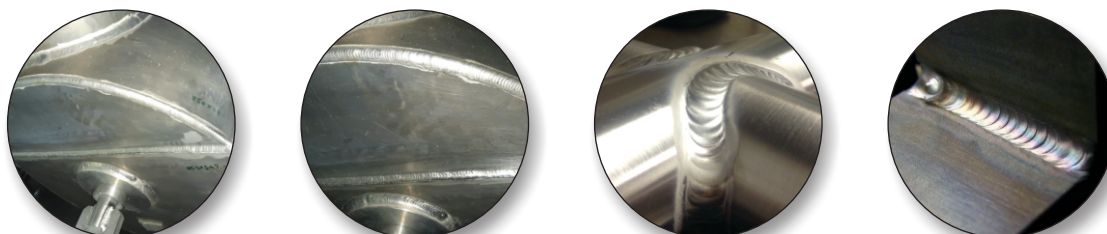
Technical Data :

Input Supply	Wire Feed Speed	Wire Dia Capacity	Dimension
24 V	2 - 25 m/min	MS / SS / AL : 0.8 - 1.6 mm	L : 450 mm W : 190 mm H : 290 mm

Front Control Panel - Wire Feeder :



Double Pulse MIG - Weld Samples :



Standard Package :

CC/CV Power Source - 4 Roll Drive Wire Feeder - Drive Rolls - 4.5 m Interconnecting Cable -
3 m Earthing Cable with Clamp - 3 m MIG Torch

COLDMIG 350

Application :

Construction Equipment
Heavy Mfg
Pipe & Tube Fabrication
Automotive Components
Farm Equipment
Mining Equipment
Industrial Fabrication
Furniture

Processes :

GMAW (MIG)
GMAW-P (Pulse MIG)
Double Pulse MIG
Cold MIG
Root MIG
Force MIG
SMAW (Stick)
GTAW (TIG)

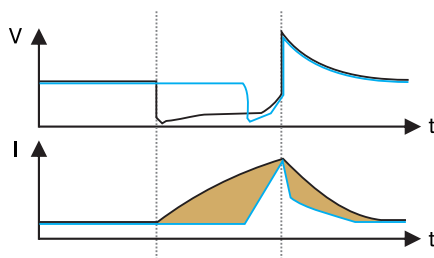
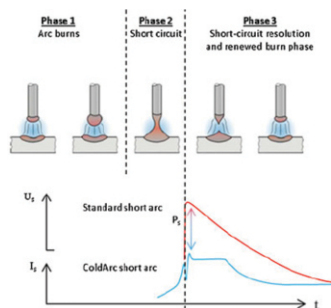


Features :

IGBT Inverter Technology w/ frequency of 64kHz.
Fully Digital & Precise Waveform Control.
Intelligent Air Cooling reduces dust, saves energy, improves Fan life.
Memory Channel to Store / Recall the Welding Parameters.
Saves Energy thanks to unique filter circuit & adapts to unstable Power.
Robotic Integration (Optional).

COLD MIG :

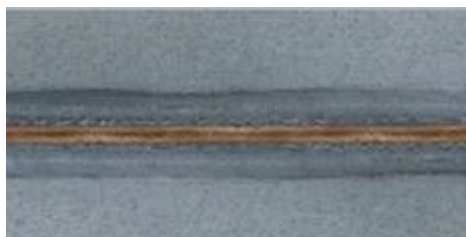
Low heat, less spatter short arc for high stability welding, brazing and root welding.
Less distortion and less discolouration.
Root passes welded easily in all sheet thicknesses and in all positions.
Less finishing work due to less spatter process.



100 % GAP BRIDGING CAPABILITY

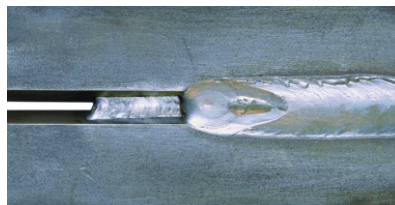


100 % PERFECT FOR MIG BRAZING



ROOT MIG :

Shorter arc for painless gap bridging & positional welding.
Best for 1 mm onward sheet metal.
No weaving for vertical up welds.
Outstanding root formation and shielded side wall fusion.



FORCE MIG :

Outstanding root and side wall fusion & reduced under cuts.
Low distortion due to low heat condensed arc.
Superb welding with very long stick outs.
Beneficial for fillet welds, highly loaded components.

Technical Data :

Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
415 V $\pm$ 15% 3 Phase 50/60 Hz	15 kVA	16 - 45 V 20 - 350 A	350 A @ 100% duty cycle	70 VDC	L : 640 mm W : 305 mm H : 665 mm	53 Kg.

Front Control Panel - Wire Feeder :



Standard Package :

CC/CV Power Source - 4 Roll Drive Wire Feeder - Drive Rolls - 4.5 m Interconnecting Cable -
3 m Earthing Cable with Clamp - 3 m MIG Torch - CO₂ Heater - CO₂ Regulator with Flowmeter.

CRUX 250

Application :

Construction Site
Repair & Maintenance
Gate & Grill Fabrication
Light Fabrication

Processes :

SMAW (Stick)
GTAW (TIG)

CC DC 1/2
Phase

Features :

IGBT Inverter Technology & SMT in PCB design.
Suitable for steel, stainless steel, low alloy steel, etc.
Smooth and Stable arc with minimum spatter.
Digital Meter for accurate parameter.
Heavy Duty, Light Weight, Low Spatter & Easy Arc Ignition.
High power factor and high efficiency.



Technical Data :

Model	Input Supply	Input Power	Output Range	OCV	Dimension	Weight
CRUX 250	120 - 560 V 1 / 2 Phase 50/60 Hz	8 kVA	0 - 200 A	60 VDC	L : 225 mm W : 160 mm H : 225 mm	3.9 Kg.

Standard Package : CC Power Source - Weld Cable 2 mtr. with Electrode Holder - Earth Cable 2 mtr. with Clamp

ORION 250 / 400

Application :

Construction Site
Repair & Maintenance
Gate & Grill Fabrication
Light Fabrication

Processes :

SMAW (Stick)
GTAW (TIG)

CC DC 1/2
Phase

Features :

IGBT Inverter Technology & SMT in PCB design.
Suitable for steel, stainless steel, low alloy steel, etc.
Smooth and Stable arc with minimum spatter.
Digital Meter for accurate parameter.
Heavy Duty, Light Weight, Low Spatter & Easy Arc Ignition.



Technical Data :

Model	Input Supply	Input Power	Output Range	OCV	Dimension	Weight
ORION 250	120 - 560 V 1/2 Phase 50/60 Hz	10.7 kVA	0 - 250 A	62 VDC	L : 350 mm W : 140 mm H : 255 mm	6 Kg.
ORION 400	230 V, 1 Ph/ 415 V, 3 Ph	16.2 kVA	20 - 400 A	75 VDC	L : 510 mm W : 310 mm H : 465 mm	14 Kg.

ARCTURUS 400 / 500 / 630

Application :

Construction Site
Pressure Vessel Mfg
Fabrication

Processes :

SMAW (Stick)
GTAW (TIG without HF)
Carbon Arc Gouging (Arcturus 630)

CCDC 3
Phase

Features :

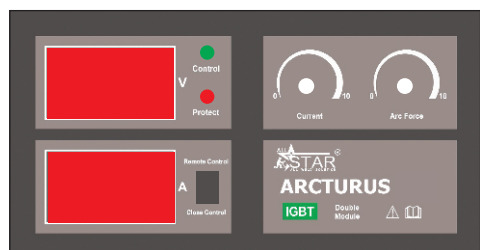
Soft Switching IGBT Inverter Technology
Enhanced reliability due to SMT Technology
High Efficiency & High Power Factor DC Welder
Robust Design for Heavy Duty Applications
Arc Force adjustment on Front Panel
VRD Function available as standard
Digital Meter for accurate parameter selection / reading
Smooth & Stable Arc with minimum spatter
Suitable for Steel, Stainless Steel, Low Alloy Steel, etc
Compatible with Generator Supply
IP23 Compliance & 'H' Class Insulation
Remote Current Control (Optional)
TIG Welding with Optional HF Unit



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
ARCTURUS 400	400 V $\pm$ 15% 3 Phase 50/60 Hz	18.4 kVA / 17.1 kW	40 - 400 A	400 A @ 60% duty cycle	75 VDC	L : 510 mm W : 300 mm H : 440 mm	22 Kg.
ARCTURUS 500		19.7 kVA / 18.3 kW	40 - 500 A	500 A @ 60% duty cycle			23 Kg.
ARCTURUS 630		31.5 kVA / 29.2 kW	40 - 630 A	630 A @ 60% duty cycle			26 Kg.

Front Control Panel :



Standard Package : CC Power Source

ARC 400 HDC

Application :

Construction Site
Pressure Vessel Mfg
Shipbuilding
Fabrication

Processes :

SMAW (Stick)
GTAW (TIG without HF)

CCDC 3
Phase

Features :

IGBT Inverter Technology with SMT in PCB design.
Suitable for steel, stainless steel, low alloy steel, etc.
Suitable for all electrodes including 6010, 7010 & 8010 (400 HDC)
Smooth and Stable arc with minimum spatter.
Arc Force adjustment provided on front panel.
Digital Meter for accurate parameter & Remote Current Control (Optional)



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
ARC 400HDC	400 V $\pm$ 15% 3 Phase 50/60 Hz	20.5 kVA / 19.5 kW	20 - 400 A	400 A @ 100% duty cycle	75 VDC	L : 576 mm W : 297 mm H : 557 mm	40 Kg.

TIG / MMA 200

Application :

Food / Beverage Industry
Petrochemical
Pipe & Tube Fabrication
Shipboard

Processes :

GTAW (TIG)
SMAW (Stick)

CCDC 1
Phase

Features :

IGBT Inverter Technology. HF Arc Ignition.
Digital Ampere Meter. Stepless Current Control.
Heavy Duty & Light Weight. Compatible to Generator Supply.
IP 23S Compliance.



Technical Data :

Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
230 V 1 Phase 50/60 Hz	14 kVA	0 - 200 A	200 A @ 60% duty cycle	60 VDC	L : 350 mm W : 140 mm H : 350 mm	6 Kg.

Standard Package : CC Power Source - 3 m Earthing Cable with Clamp - 3 m Gas Cooled TIG Torch

TIG/MMA 400 / 500

Application :

Food / Beverage Industry
Petrochemical
Pipe & Tube Mills
Rail - Coach & Bio Tanks

Processes :

GTAW (TIG)
SMAW (Stick)

CCDC 3
Phase

Features :

IGBT Inverter Technology, HF ARC Ignition & 2T / 4T Function
Digital Ampere Meter & Stepless Current Control
Compatible to Generator Supply
IP23 Compliance
Water Cooling Unit - Optional



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
TIG/MMA 400	400 V $\pm$ 15% 3 Phase 50/60 Hz	20.5 kVA / 19.5 kW	20 - 400 A	400 A @ 100% duty cycle	75 VDC	L : 576 mm W : 297 mm H : 557 mm	40 Kg.
TIG/MMA 500		25 kVA / 23.8 kW	20 - 500 A	500 A @ 100% duty cycle		L : 636 mm W : 322 mm H : 585 mm	50 Kg.

Standard Package :

CC Power Source - 4 m Earthing Cable with Clamp - 4 m Water Cooled TIG Torch

COOL 9L

Application :

Manufacturing
Aerospace
Automotive
Tube Mills

Processes :

GTAW (TIG)
GMAW (MIG)
Plasma Cutting

Features :

High Quality Active Water Cooler.
Built using reliable DC Pump assembly.
Cools up to 600 Amps.
Water Level Indicator & Quick release Female water connectors.



Technical Data :

Input Supply	Input Current	Max Cooling Capacity	Rated Cooling Capacity	Tank Capacity	Dimension	Weight
230 V $\pm$ 15% 1 Phase 50/60 Hz	1.2 Amp	4000 W @ 2.4 L/min	1600 W @ 1 L / Min	9 Litres	L : 605 mm W : 307 mm H : 270 mm	18 Kg.

Standard Package : Water Cooler unit only

TIG 315 / 500 AC/DC

Application :

Aerospace
Shipbuilding
Pipe & Tube Fabrication
Aluminium Fabrication

Processes :

GTAW (TIG)
GTAW-P (Pulsed TIG)
SMAW (Stick)



Features :

IGBT Inverter Technology.
HF ARC Ignition
AC Waveforms Square / Sine / Triangular
Digital Ampere Meter
Stepless Current Control
Pre & Post Gas Flow Function
Up & Down Slope Function
Initial & Crater Current Selection
Pulse Frequency Selection
2T / 4T Function
AC Frequency Adjustment
Compatible to Generator Supply
IP23 Compliance
Water Cooling Unit - Optional



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
TIG 315 AC/DC	400 V $\pm$ 15% 3 Phase 50/60 Hz	13.8 kVA / 12.1 kW	15-315 A	315 A @ 60% duty cycle	75 V	L : 515 mm W : 275 mm H : 465 mm	30 Kg.
TIG 500 AC/DC		26 kVA / 22.9 kW	20-500 A	500 A @ 60% duty cycle		L : 515 mm W : 275 mm H : 465 mm	55 Kg.

Control Panel - Pulse TIG Data :

Pulse Frequency	% Duty Ratio	Base Current
0.1 - 20 Hz	10 - 90%	5 - 245 A

Control Panel - AC TIG Data :

AC Frequency	Cleaning Depth Control	Cleaning Width Control
20 - 200 Hz	-50 - +50%	20 - 70%

Control Panel - Sequencer Data :

Gas Pre-flow	Up Slope Time	Initial Current	Crater Current	Down Slope Time	Gas Post-flow
0 - 10 s	0 - 10 s	5 - 315 A	20 - 315 A	0 - 10 s	0 - 60 s

Standard Package :

CC Power Source - 4 m Earthing Cable with Clamp - 3 m Water Cooled TIG Torch

HERCULES 2500 / 3100

Application :

Steel Bridge Mfg.
Heat Exchanger
Construction Site
Deck Sheet Welding

Processes :

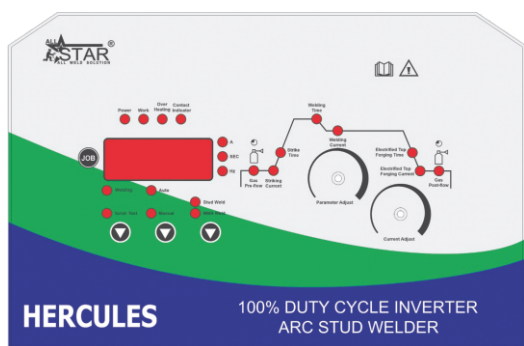
Stud Welding



Features :

IGBT inverter technology with excellent line voltage compensation
Stepless control of Current
Weld Time - 0.01 to 4.0 sec
Operator friendly front panel controls with digital meters
Simply circuit easy for maintenance.

Front Control Panel :



Technical Data :

Model	Input Voltage	Input Power	Output Range	Rated Output	Stud Dia	OCV	Dimension	Weight
HERCULES 2500	400 V $\pm$ 15% 3 Phase 50/60 Hz	99 kVA / 94 kW	100 - 2500 A	2500 A @ 80% duty cycle	Ø6-25	32 VDC	L : 780 mm W : 355 mm H : 870 mm	97 Kg.
HERCULES 3100	400 V $\pm$ 15% 3 Phase 50/60 Hz	137 kVA / 130 kW	250 - 3150 A	3150 A @ 84% duty cycle	Ø6-32	32 VDC	L : 840 mm W : 405 mm H : 950 mm	100 Kg.

Standard Package :

CC Power Source - Heavy Duty Gun w/ 15 m Cable - Earth Cable 5 m x 2

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.

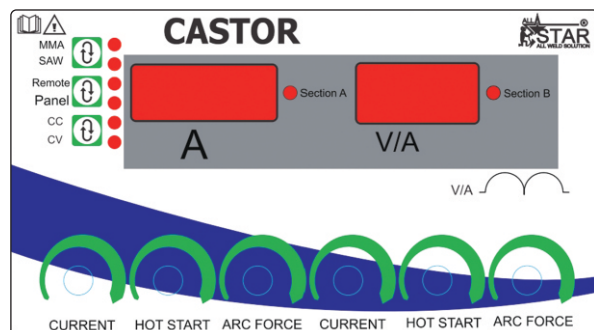


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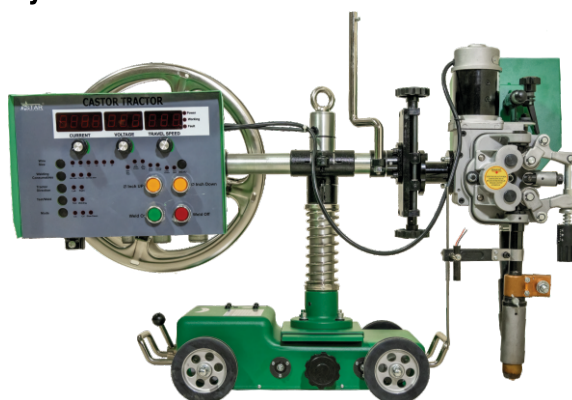
Power Source

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

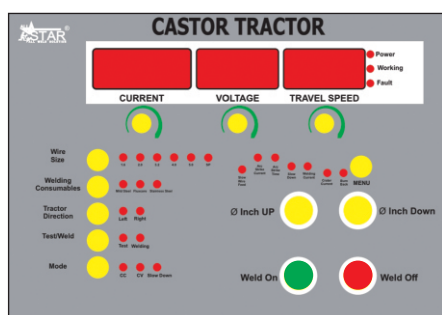


Technical Data :

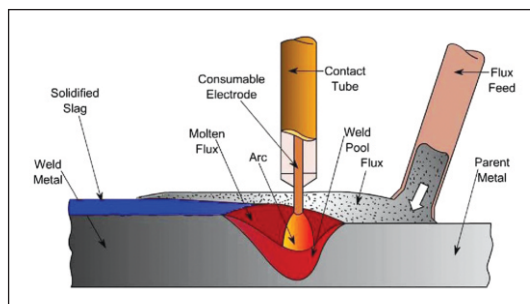
Tractor

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

CUT 100 / 200

Application :

Construction
Fabrication
Maintenance / Repair

Processes :

Air Plasma Cutting

Cutting Capacity :

CUT 100

MS : 35 mm
SS : 25 mm
AL : 18 mm

CUT 200

MS : 45 mm
SS : 35 mm
AL : 25 mm



Features :

IGBT Inverter Technology.
Digital Meter to show accurate cutting amperage
Built-in Air Pressure Sensor
Built-in Water Pressure Sensor (CUT 200)
Higher Duty Cycle for Heavy Duty Production Jobs
Compatible to Generator Power Supply
F Class Insulation
IP 23S Compliance.
Water Cooling Unit & Water Cooled Torch standard with CUT 200
Post Air Flow Timer increases Consumable Life
Capability to Interface with CNC Controllers



Technical Data :

Model	Input Supply	Input Power	Air Pressure	Rated Output	OCV	Dimension	Weight
CUT 100	400 V $\pm$ 15% 3 Phase 50/60 Hz	15 kVA / 14.3 kW pf - 0.95	60 - 90 psi / 4.2 - 6.3 kg/cm ²	100 A @ 100% duty cycle	320 VDC	L : 595 mm W : 306 mm H : 530 mm	33.6 Kg.
CUT 200		40 kVA / 38 kW pf - 0.95		200 A @ 100% duty cycle		L : 760 mm W : 375 mm H : 780 mm	78 Kg.

Standard Package :

CC Power Source - Plasma Cutting Hand-Held Torch 3 m - Earthing Cable 3 m -
Start-up Consumable - Air Pressure Regulator

CNC CUT 1530 / 6525

Application :

Industrial Fabrication
Construction Site
Maintenance / Repair Shops

Processes :

Oxy Fuel Cutting
Plasma Cutting

Features :

Compact, Flexible, Portable & Economical.
Compatible with Oxy-fuel, Plasma or both.
Built-in Library of 24 common shapes.
64MB Memory Storage with USB Port for Program Loading.
Automatic Breakpoint Restoration & Kerf Compensation.
Compatible with most Plasma Systems.



Technical Data :

Model	Input Voltage	Cutting Range	Cutting Thickness	Max Cutting Speed	Weight
CNC CUT 1530	95 - 250 V	W : 1500 mm L : 3000 mm	Oxy-fuel : 6 - 100 mm Plasma : As per Power Source Capacity	24000 mm/min*	80 Kg.
CNC CUT 6525	95 - 250 V	W : 2500 mm L : 6500 mm	Oxy-fuel : 6 - 100 mm Plasma : As per Power Source Capacity	24000 mm/min*	120 Kg.

* - @ No Load

Standard Package : CNC System with 7" Screen - Oxy-fuel Cutting Head - Torch Height Controller - Rail Track Assembly - Motorised Torch Lifter - Oxy & Fuel-gas Solenoid Valve - Programming Software

ACCESSORIES

WELDING CABLE

Allstar offers comprehensive range of Heat, Oil & Flame-Retardant (H.O.F.R) compound sheath welding cables as per IS 9857. These Cables are designed to use in Manual Welding as well as Automatic Welding operation at different duty cycle. High Conductivity bunched copper conductor is used in these cables.



Conductor Area (Sq. mm)	No. / Dia of Conductor (mm)	Current Rating @ 60% DC (Amps)	Thickness of Insulation (mm)	Resistance of Conductor* (/km)	Voltage Drop
16	510 / 0.2	174	2.0	1.210	1.555
25	800 / 0.2	228	2.0	0.780	0.997
35	1114 / 0.2	285	2.0	0.554	0.708
50	708 / 0.3	360	2.2	0.386	0.492
70	999 / 0.3	454	2.4	0.272	0.347
95	1351 / 0.3	547	2.6	0.206	0.263
120	1700 / 0.3	635	2.8	0.161	0.206

* at 20° C

WELDING CURTAINS

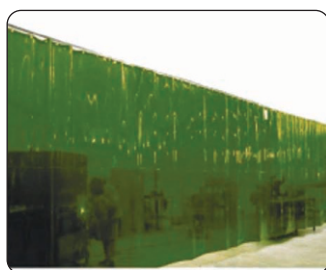
Allstar offers welding curtains that are useful in industrial / contract sites where there is arc welding or metal grinding that generates sparks. Sparks or welding arc light is harmful for naked eyes for workers nearby, or even passing by. For visual safety, welding curtains are used.

Welding Curtain material are UV Resistant as per EN 25980, Ignition Resistant as per UL 94VTM, Conform to FM 4950 & Available in various colours.

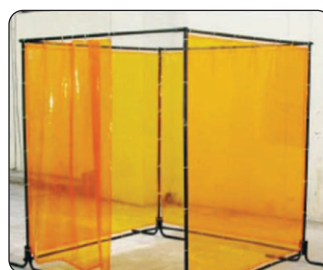
Welding Curtains are available in various forms like Screens (Curtain + Frame), Booths, Rolls with Eye-lets as Partition Walls & 200 mm Wide Strips for Walk-thru Doorways.



Welding Screens
Curtain with Frame



Undivided Curtain
Partition Walls



Welding Curtain Booths



PVC Strip Doors

WHY ALLSTAR

MADE RUGGED FOR WELDING IN RUGGED ENVIRONMENT :

From seashore where salty, humid air raises disaster on equipment.....to lands where temperature exceeds 40°C for days on end.....to deserts where sand penetrates every gap, AllStar Welding Machines perform in the harshest environments and most remote locations on earth.

If your welding equipment's don't work properly, or break-down altogether, they can cause losses of thousands of rupees per day. When you are in the middle of nowhere, there's not always a repair shop next door.

Hence ALLSTAR WELDING MACHINES PRIVATE LIMITED builds the most durable and reliable welding equipment's. Our equipment's outperform the competitive machines and provide the best service and parts support where it matters most in the harshest environments.

So when conditions get rugged and other brands bite dust, look to AllStar Welding Machines to keep performing.

ALLSTAR TESTING

RIGOROUS TESTING FOR RUGGED, REAL ENVIRONMENT CONDITIONS :

To prove our equipment's go to the limit, AllStar Welding Machines are put to test in very extreme environmental conditions.

DUST & SAND :

Critical components are exposed to airborne particles in special testing chamber for weeks, making sure they will operate while facing extreme levels of dirt, dust or sand on the shop floor or job site.



HUMIDITY & CORROSION :

Critical Components are subjected to extended moisture and corrosive salt exposure to ensure they will run even when exposed to humid climates, corrosive coastal environments and torrential rain.



TEMPERATURE MAXIMUM :

AllStar Welding Machines are tested to ensure performance in tropical heat. All equipment's are weld rated at 40°C, but actual test are conducted up to 50°C to guarantee best performance.

TRANSPORTATION ABUSE :

AllStar Welding Machines are shaken for several hours on transportation bed simulators, subjected to severe vibrations and dropped / jerked to ensure they will withstand the stresses that can shut down competitive machines.



Why Customers Choose ALLSTAR

The ultimate tests of AllStar Welding Machines reliability is how it performs in the rugged environment. The customers prefer AllStar Welding Machines for :

- ✓ Reliability
- ✓ Ease of Repairs
- ✓ Responsiveness of Service Technicians
- ✓ Timely Availability of Spares
- ✓ Low Repair Cost
- ✓ Life-Time Free Service Support

*"Weld One, Weld All,
Weld with ALLSTAR"*



ALLSTAR WELDING MACHINES PRIVATE LIMITED

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