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The Ultimate Solutions
**TRUSTED BY
WELDING
PROFESSIONALS**

BSRM Wires Welding Equipment & Accessories

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Welding Equipment & Accessories

BSRM is one of the industry leaders in Bangladesh when it comes to complete welding solutions. We are proud to introduce a vast array of welding equipment and accessories into the Bangladeshi market. Our core belief is to bring evolution into the Bangladeshi welding industry and so we have brought world-class complete welding solutions that are trusted by welding professionals of Bangladesh for their reliability and durability.

In this catalogue, we have highlighted some of our latest and state-of-the-art welding equipment and accessories like MMAW inverter, GMAW welding equipment, head & hand protection, earth clamps, electrode ovens and much more.

Together let's shape Bangladesh and pave the path towards a safer and brighter future.

 BSRM
WIRES

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Equipment



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AARON 200

200 Amps IGBT Inverter

DC ARC Welding Equipment



Steel structures



Grills



Gate



Key features of AARON 200

- IGBT-based technology
- HOT start facility to avoid electrode sticking
- Allowable input voltage fluctuation range 220 -240 v ac
- Overheating protection
- Suitable for all kinds of acidic, basic, Stainless steel and Low Hydrogen alloy electrodes
- Adjustable ARC force control facility to ensure deep penetration
- Digital display for welding current
- Quick changeover type output connection to change electrode polarity
- IP 21 S protection suitable for both Indoor and Outdoor applications



Technical Specifications

Main Technical Data	ITEM/UNT	AARON 200		
Rated Input Voltage V	V	220	230	240
Electrical Source Frequency Hz	Hz	50/60	50/60	50/60
Rated Input Current A	A	38	37	35
Rated Input Capacity KVA	KVA	8.36	8.51	8.4
Open circuit Voltage V	V	77	80	83
Rated Working Voltage V	V	28		
Current Regulation Range A	A	30-200		
Rated Duty Cycle %	%	40		
Welding Current 10min/60% A	A	163		
10min/100% A	A	126		
10min/100% A Ef Efficiency	η	80%		
Power Factor	Cosφ	0.73		
Insulation Grade		H		
Case Protection Grade		IP21S		
Cooling Type		Gas cooling		
Case Size (LxWxH)	mm	355*154*275		
Weight	kg	6.7		

AARON 400

400 Amps IGBT Inverter

DC ARC Welding Equipment

Heavy Duty



Ship body construction



Railway carriage framework construction



Structure and framework

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Key features of AARON 400

- IGBT-based technology
- HOT start facility to avoid electrode sticking
- Allowable input voltage fluctuation range up to +/- 15%
- Overvoltage and under-voltage protection
- Overheating protection
- Suitable for all kinds of acidic, basic, Stainless steel and Low Hydrogen alloy electrodes
- Adjustable ARC force control facility to ensure deep penetration
- Digital display for welding current
- Quick changeover type output connection to change electrode polarity
- IP 21 S protection suitable for both Indoor and Outdoor applications



Technical Specifications

Description	AARON 400
Rated Supply Voltage (U1)	3~400V±15% 50/60Hz
Rated Supply Current (I1) (A)	29
Rated Supply Power (P1) (kW)	20.1
Welding Current (I2) (A)	15~400
Rated Welding Current	400A @60% (20°C)
No Load Voltage (Uo) (V)	82±5%
Power Efficiency (η) (Rated Load)	≥80%
Power Factor (cosθ) (Rated Load)	≥0.9
Enclosures Protection Degree (IP code)	IP21S
Thermal Protection of IGBT	IGBT's heat sink (80±3°C)
Power Dimensions (mm)	510×240×420
Power Weight (kg)	19
Power Insulation Class	H
Power Cooling Mode	Forced air cooling (Fan)
Power Source Static Characteristic	Drooping
Package Dimension (mm) (L*W*H)	655×325×445

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AARON TIG 200

200 Amps IGBT Inverter TIG

DC TIG Welding Equipment



Stainless Steel Pipe Fabrication



Stainless Steel Furniture Welding



Pipe Fabrication



Key features of AARON TIG 200

- IGBT Based technology
- HF start facility to avoid tungsten inclusion
- Allowable input voltage fluctuation range 220 -240 v ac
- Overheating protection
- Adjustable UP/ DN Slope
- Adjustable Pre flow & Post flow time
- Pulsing facility to work with thinner sheet
- Digital display for welding current
- Quick changeover type output connection to change electrode polarity
- IP 21 S protection suitable for both Indoor and Outdoor applications



Technical Specifications

Main Technical Data	ITEM/UNIT	AARON TIG 200
Rated Input Voltage V	V	220
Electrical Source Frequency Hz	Hz	50/60
Rated Input Current A	A	35
Rated Input Capacity KVA	KVA	7.7
Open Circuit Voltage V	V	78
Rated Working Voltage V	V	TIG 18 Vdc/ MMA27.2 Vdc
Current Regulation Range A	A	TIG - 10-200 MMA - 20-180
Rated Duty Cycle %	%	30
Base Current	%	10-95
Up slope	Sec	0-15
Down slope	Sec	0-25
Pulse Frequency	Hz	0.2 - 200
Pre Flow	Sec	0-5
Post Flow	Sec	1-15
Pule Width	%	10-90
10min/100% A Ef Efficiency	η	85%
Power Factor	Cos ϕ	0.73
Insulation Grade		H
Case Protection Grade		IP21S
Cooling Type		Gas cooling
Case Size (L×W×H)	mm	372*185*340
Weight	kg	10

*TIG torch & torch consumable parts are not covered under warranty.

MAGNUS 350

GMAW welding equipment



Cycle



Bike



Steel Fabrication



Key features of MAGNUS 350

- IGBT Based technology CV/CC power source
- Creep start facility to start arc smoothly
- Allowable input voltage fluctuation range up to +/- 10%
- Overvoltage and under voltage protection
- Overheating protection
- Suitable for all kind of GMAW wire & acidic, basic, Stainless steel and Low Hydrogen alloy electrodes
- Waveform control to ensure smooth arc
- Digital display for welding current & voltage
- Quick changeover type output connection to change process
- IP 21 S protection suitable for both Indoor and Outdoor application
- Fresh tip facility / End ball cutting
- Crater facility to ensure quality at the end of welding
- Synergic facility / on knob control for weld parameter



Technical Specifications

ITEM	ITEMUNIT	MAGNUS 350
Power voltage	V	400
Frequency	Hz	50/60
Rate input current	A	25.5
Rate input capacity	KVA	16.8
OCV	V	73
Current range	A	40-350
Voltage range	V	16-31.5
Duty cycle	%	60
Wire diameter	mm	0.8-1.2
Efficiency	η	85%
Power factor	Cos Φ	0.92
Insulation class		IP21S
Cooling		Air
Dimension (L*W*H)	mm	576*297*557
Weight	kg	48.3



Complete Set Specifications

- MAGNUS 350 machine power source 1 pc
- Wire feeder 1pc

Accessories list

Description	Specification	Quantity
Torch	350A	1pc
Roller	0.8-1.0	1pc
Contact tips	Φ1.0, Φ1.2	Each type 1pc
Fuse	3A	5pcs

The torch is with nozzles and liner. The wire feeder is with roller and liner.

Description	MAGNUS 350
Torch with nozzle	Φ1.0
Torch with liner	1.2x1.8 (black colour)
Wire feeder with roller	1.0-1.2


Remark: connecting cable, control cable, earth cable and gas hose can be made according to customer's requirements.


- Consumables parts description: Torches, wire feeder liners, rollers, and carbon brushes are consumables parts and are not covered by warranty terms


MAGNUS

500


GMAW Welding Equipment








Automobile fabrication



Heavy girder fabrication within shed



Earth moving equipment



Key features of MAGNUS 500

- IGBT Based technology CV/CC power source
- Creep start facility to start arc smoothly
- Allowable input voltage fluctuation range up to +/- 10%
- Overvoltage and under voltage protection
- Overheating protection
- Suitable for all kind of GMAW wire & acidic, basic, Stainless steel and Low Hydrogen alloy electrodes
- Waveform control to ensure smooth arc
- Digital display for welding current & voltage
- Quick changeover type output connection to change process
- IP 21 S protection suitable for both Indoor and Outdoor application
- Fresh tip facility / End ball cutting
- Crater facility to ensure quality at the end of welding
- Synergic facility / on knob control for weld parameter



Technical Specifications

ITEM	ITEMUNIT	MAGNUS 500
Power voltage	V	400
Frequency	Hz	50/60
Rate input current	A	41.8
Rate input capacity	KVA	27.5
OCV	V	73
Current range	A	40-500
Voltage range	V	16-39
Duty cycle	%	60
Wire diameter	mm	0.8-1.6
Efficiency	η	85%
Power factor	Cos Φ	0.92
Insulation class		IP21S
Cooling		Air
Dimension (L*W*H)	mm	576*297*557
Weight	kg	51



Complete Set Specifications

- MAGNUS 500 machine power source 1 pc
- Wire feeder 1pc

Accessories list

Description	Specification	Quantity
Torch	500A	1pc
Roller	1.0-1.2	1pc
Contact tips	Φ 1.2, Φ 1.6	Each type 1pc
Fuse	3A	5pcs

The torch is with nozzles and liner. The wire feeder is with roller and liner.

Description	MAGNUS 350
Torch with nozzle	Φ 1.2
Torch with liner	1.2x2.2 (grey color)
Wire feeder with roller	1.2-1.6

Remark: connecting cable, control cable, earth cable and gas hose can be made according to customer's requirements.

- Consumables parts description: Torches, wire feeder liners, rollers, and carbon brushes are consumables parts and are not covered by warranty terms

KATANA 100

Plasma cutting inverter

Heavy Duty



Hand plasma cutting



Hand plasma cutting



Auto plasma cutting



Key features of KATANA 100

- IGBT based technology
- Allowable input voltage fluctuation range up to 400 Vac +/- 10%
- Overheating protection
- Single phase protection
- Low air pressure protection to protect the cutting torch
- Digital display for welding current
- Smooth cutting surface finish
- Low consumption of consumables
- Low cutting cost
- IP 21 S protection suitable for both Indoor and Outdoor applications



Technical Specifications

Specification	KATANA -100
Rated input voltage	3 phase 400 V +/- 40 Vac
Rated input capacity	16.6 KVA
Rated input current	24A
Rated output voltage	120 VDC
Rated duty cycle	60%
Open circuit voltage	284VDC
Current adjustment range	20~100A
Quality cutting thickness(steel)	1.0-25mm
Max cutting thickness(steel)	40mm
Using plasma	Compressed air
Plasma gas pressure	0.4-0.6MPa
Cutting Torch Cooling	Air
Arc-starting	Non-Contact
Insulation class	F
Protection class	21 S
Size mm(length*width*height)	576 *300*675
Weight (Kg)	43.2



Complete Set Specifications

Cutting Nozzle Details of P80 cutting torch

Cutting Nozzle diameter(mm)	1.0	1.2	1.4	1.6	1.8
Operation Current(A)	20~30	30~40	40~65	70~90	80~100

Disclaimer: Plasma torch and plasma torch consumables are not covered under warranty.





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WELDING HELMET

High clarity of view with true colour

Auto-Darkening Helmet - Ultra light but strong in performance. Welding helmet offers high reliability for protection from heat, sparks and spatter. The welding lens gives a high clarity of view with true colour and provides the best comfort to the welder, with adjustment of DIN shade for different processes.



WELDING GLOVES

High resistance to mechanical stress

Heavy-duty welding gloves made of cow split and grain leather with a padded back to withstand heat and protect hands from spark and spatter. The KEVLAR seam ensures that the gloves can resist hard mechanical stress, such as abrasions, cuts, tears and punctures.

WELDING APRON

Ensures resistance against mechanical stress

The protective aprons distribute the weight effectively and use a KEVLAR stitch to ensure resistance against mechanical stress. It protects the front body against heat, sparks and spatter produced by welding.



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LEATHER GAITERS

Protect the footwear during welding

Leather Gaiters protect the footwear during welding. The Gaiters use Velcro for fastening the legs.



WELDING SLEEVE

Velcro and elasticated cuff for arm fastening

Chrome leather sleeves with an elasticated cuff and Velcro arm fastening.

ELECTRODE HOLDER

Suitable for heavy-duty welding work

An open head Electrode Holder with a fully insulated head and handle suitable for heavy-duty welding work. Long lasting with perfect grip. The electrode can be fixed either horizontally or vertically.



EARTH CLAMP

Fully galvanized with strong gripping power

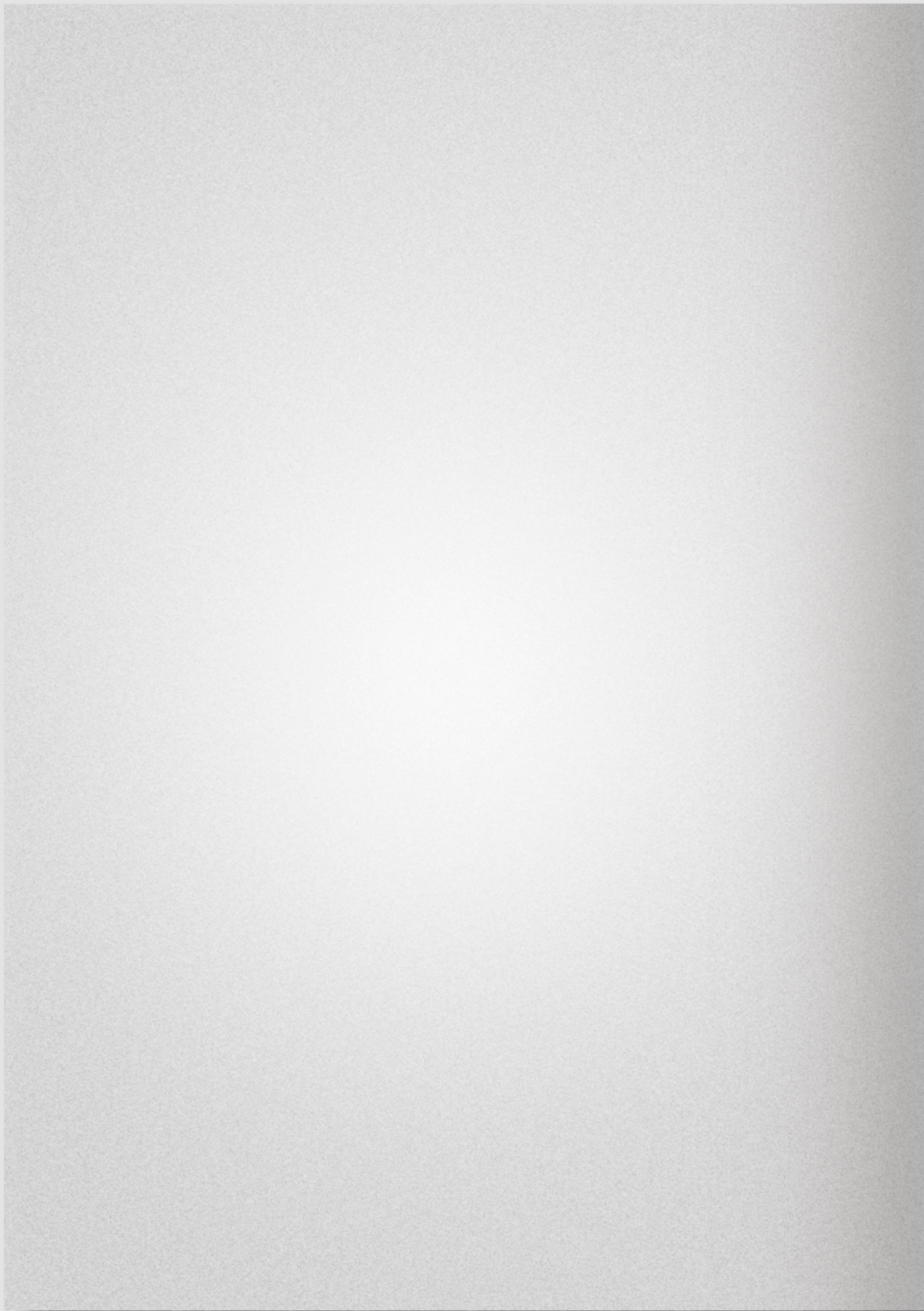
Heavy-duty Earth clamp that provides good contact with the work piece. Fully galvanized with strong gripping power.



ELECTRODE OVEN

Portable light weight with a temperature gauge for electrodes

Portable light weight with thermostat controlled handy dry storage container fitted with a temperature gauge for electrodes. The heating element is fixed in such a way that it heats electrodes uniformly. Electrode carrying Capacity 5kg. Temperature range max 200 degrees centigrade.



Warning:
Always keep the instructions and precautions open for safety.
Study the documents carefully. Other than electric shocks,
please be aware of the following:

		
Avoid welding fumes and gases for your health	Arc rays can injure eyes & burn skin when welding	Read and understand safety instructions & practices before use
		
Always weld in an open, ventilated space with sufficient airflow	Wear protective safety gear for your eyes, ears & body	Always be careful when handling electrical equipment
