



SAFE OPERATING PROCEDURE (SOP)

Plasma Cutter

DO NOT use this tool unless appropriately instructed in its safe use and operation and permission to operate has been given.

COMPULSORY PPE



Pre-Operational Safety Checks

1. Check workspace and walkways to ensure that no slip/trip hazards are present.
2. Check work area is clean and free of grease, oil and flammable material.
3. Ensure equipment and work area is dry to avoid electric shocks.
4. Check gloves, welding gun and work leads are in good condition.
5. Examine the material to see if it is to be cut free from hazards.
6. Ensure the fume extractor unit is on before welding commences.
7. Close the welding bay curtains to ensure the protection of others from flashes.

Operational Safety Checks

1. Ensure machine is correctly set up for current, voltage, wire feed and gas flow.
2. Ensure work return cables make firm contact to provide a good electrical connection.
3. Metals coated with or containing materials that emit toxic fumes should not be heated or cut unless coating is removed from the work surface.
4. Do not weld or cut containers that have held combustible liquids or gases.
5. Never leave the plasma cutter running unattended.

Housekeeping

1. Switch off the machine and fume extraction (where used).
2. Turn off air supply and hang up handpiece, hose and welding cables.
3. Leave the work area in a safe, clean and tidy state.

Potential Hazards

1. Electric shock.
2. Noise
3. Compressed air.
4. Radiation burns.
5. Fume.
6. Body burns
7. Noxious gas
8. Flying sparks and falling dross

Procedure Reference	Version	Effective Date	Review Date	Page Number	Date Printed
Plasma Cutter-SOP	V1	1/09/2019	1/09/2022	1	2/09/19

SPECIAL NOTES

No personnel are to use this equipment prior to obtaining:

- Competency in the correct use of the equipment
- Reading and fully understanding the operator's manual – can be located in the Recopak Manuals Draw (marked on Recopak Map)
- Reading the standard operating procedure
- Undergoing through practical training while properly supervised
- Supervisors to ensure SOP's are signed off

This SOP does not necessarily cover all possible hazards associated with this equipment or procedure and should be used in conjunction with other references. It is designed as a guide to be used to compliment training and as a reminder to users prior to use.

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Plasma Cutter-SOP	V1	1/09/2019	1/09/2022	2	2/09/19