



SAFE OPERATING PROCEDURE (SOP)

TIG Welder

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, walkways and work leads 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 the equipment and work area is dry to avoid electric shocks.
4. Check gloves, welding gun and work leads are in good condition.
5. Ensure the fume extractor unit is on before welding commences.
6. Close the UV curtain or erect safety screens to ensure the protection of others.

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. Strike the arc before placing the tip of the filler wire in the weld zone.
4. Ensure power is off when changing tungsten electrodes.
5. Never leave the welder running unattended.
6. Avoid welding flashes. Erect UV safety curtains as required.
7. Regularly inspect the welding tip and shield for damage.

Housekeeping

1. Switch off the machine and fume extraction.
2. Close gas cylinder valve.
3. Hang up the welding gun and welding cables.
4. Leave the work area in a safe, clean and tidy state.

Potential Hazards

1. Electric shock
2. Fumes
3. Radiation burns to eyes or body
4. Body burns due to hot or molten materials
5. Flying sparks
6. Cuts and lacerations
7. Fire

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