

SAFE WORKING PROCEDURE

WELD STAR PLASMA MACHINE SAFETY INFORMATION

DO NOT use this equipment unless you have been instructed in its safe use & operation and have been given permission

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses must be worn at all times in addition to welding mask.



Sturdy footwear with rubber soles must be worn.



Respiratory protection devices may be required.



Long and loose hair must be contained.



Close fitting/protective clothing to cover arms and legs must be worn.



Hearing protection may be required when cutting thick material.



Oil free leather gloves and spats must be worn.



A welding mask with shade number 9 protective filters should be worn.

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Locate and ensure you are familiar with all machine operations and controls.
- ✓ Ensure material to be cut poses no hazard. Consult the manufacturers' Material Safety Data Sheets (MSDS) for specific technical data and precautionary measures for any materials or coatings on materials cut with this equipment.
- ✓ Check workspaces and walkways to ensure no slip/trip hazards are present.
- ✓ Ensure the work area is clean and clear of grease, oil and any flammable materials.
- ✓ Keep the equipment, work area and your gloves and clothing dry to avoid electric shocks.
- ✓ Ensure the gloves, handpiece and work leads are in good condition.
- ✓ Ensure other people are protected from flashes by closing the curtain to the welding bay or erecting screens.
- ✓ Start the fume extraction unit before beginning cutting operation. Ensure machine is used in a well-ventilated area if not used in a welding bay.
- ✓ Ensure the work leads and hoses do not create a trip hazard.

OPERATIONAL SAFETY CHECKS

- ✓ Ensure machine is correctly set up for current, airflow and consumable configuration as per operating manual
- ✓ Ensure the work return cables clamp is 'cleanly' connected to the work piece to provide a good electrical connection.

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the machine and fume extraction unit when work completed.
- ✓ Turn off the air supply and hang up handpiece, hose and welding cables.
- ✓ Leave the work area in a safe, clean and tidy state.

POTENTIAL RISK, HAZARDS AND INJURIES

- ⓘ Electric shock.
- ⓘ Noise.
- ⓘ Body burns.
- ⓘ Compressed air.
- ⓘ Radiation burns.
- ⓘ Fumes.
- ⓘ Airborne particles
- ⓘ Noxious gas.
- ⓘ Flying sparks and falling slag.

DON'T

- ✗ Do not use equipment unless you've been instructed in its safe use and operation.
- ✗ Do not use faulty equipment. Immediately report suspect equipment.
- ✗ Do not cut containers that have held combustible liquids or gases.
- ✗ Do not heat or cut metals coated with or containing materials that emit toxic fumes, unless coating is removed from the work surface.
- ✗ Never leave the machine running unattended.
- ✗ Rings and jewellery should not be worn.
- ✗ Don't use any gas other than compressed air

This safe working procedure (SWP) does not necessarily cover all possible hazards associated with plasma cutting equipment and should be used in conjunction with other references such as on-site risk assessments and the machines operating manual.

This SWP is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use.

If you have questions about the safe operating procedures of plasma cutters, please contact your supplier.

