

SAFE WORK INSTRUCTION

PLASMA CUTTER

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses must be worn at all times.



Safety footwear must be worn.



Long or loose hair must be contained.



Hearing protection must be worn.



Protective gloves must be worn.



Respiratory protection devices must be worn.



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

POTENTIAL RISKS

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

DON'Ts

- ✗ Do not use faulty equipment. Immediately report suspect equipment to your supervisor.
- ✗ Do not weld or 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.

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 (SDS) for specific safety information for any materials or coatings on materials cut with this equipment.
- ✓ Ensure the work area is clean and clear of grease, oil and any flammable materials.
- ✓ Keep the equipment, work area and your gloves dry to avoid electric shocks.
- ✓ Ensure the torch and work leads are in good condition.
- ✓ Ensure other people are protected from flashes
- ✓ Start the fume extraction unit before beginning cutting operation. Ensure machine is used in a well-ventilated area.
- ✓ Ensure the work leads and hoses do not create a trip hazard.

OPERATIONAL SAFETY CHECKS

- ✓ Ensure machine is correctly set up for current and airflow.
- ✓ Ensure work return earth cables make firm contact to provide a good electrical connection.

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the machine and fume extraction unit when work completed.
- ✓ Leave the work area in a safe, clean and tidy state.
- ✓ Check the surrounding area for smouldering sparks.

This Safe Work Instruction does not necessarily cover all possible hazards associated with this equipment 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 equipment use

