**Personal Protective Equipment and Clothing.**

**DO NOT** use this machine unless you have been instructed in its safe use and

operation and have been given permission.

**This safe Operating Procedure does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with the manufacturer’s guidance. It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use. Users acknowledge that improper use of equipment increases their risk of harm and that this is a decision they make. Anyone found to be using equipment incorrectly will have their usage rights removed pending a re-training exercise on the safe use of the equipment.**

**Don’t.**

X Do not use faulty equipment. Immediately report any suspect machinery.

X Never leave the machine running attended.

X Do not weld or cut containers that have held combustible liquids or gases.

X Do not heat or cut metals coated with or containing materials that emit toxic fumes, unless coating is removed from the work surface.

**Finishing Operations and Housekeeping.**

**🗸** Switch off the machine and fume extraction unit when work is completed.

**🗸** Turn off the air supply and hang up handpiece, hose and welding cables.

**🗸** Leave the work area in a clean, safe and tidy state.

|  |  |  |  |
| --- | --- | --- | --- |
| A\* | *For use by trained staff only. Use by anyone else strictly prohibited.* | A | *For use by adult employees (18+) who have received and signed the safe use paperwork. No lone working.* |
| B | *For use by adult employees (16+) who have received and signed the safe use paperwork. Lone working Permitted.* | C | *For use by all employees under the supervision of adult employees who have received and signed the safe use paperwork. Adult lone working permitted.* |

**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 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 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.

**Potential Hazards and Injuries.**

**¡** Electric Shock.

**¡** Noise.

**¡** Body Burns.

**¡** Compressed air.

**¡** Radiation Burns.

**¡** Fumes.

**¡** Noxious Gas.

**¡** Flying Sparks and falling slag.

|  |  |  |  |  |  |
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| Wear Safety Boots Signs - from Key Signs UK | Safety footwear must be worn at all times in work areas. |  | Oil free leather gloves and spats must be worn. | Protective Clothing Symbol Blue Sign | AC Leigh | Close fitting/protective clothing must be worn. |
| Safety operating procedures | Long & loose hair must be contained. | Safety Glasses Must Be Worn | Signs &amp; Symbols | Safety glasses must be worn at all times. |  | A welding mask with shade protective fillers must be worn. |
|  | Respiratory protection devices may be required. |  | Hearing protection may be required when cutting thick material |  |  |

**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.