

SAFETY CHECKLIST

JASIC PLASMA MACHINE SAFETY INFORMATION

The potential hazards you may encounter while plasma cutting consist of:

- ◆ Potential electric shock risk
- ◆ Compressed air
- ◆ Burns from hot and molten material
- ◆ Exposure to noxious gas or toxic chemicals
- ◆ Plasma Arc Rays can injure you eyes and burn exposed skin
- ◆ Risk from airborne particles, dust and sparks (along with falling material)
- ◆ Elevated noise levels

To avoid these potential safety hazards and to ensure safe operation, follow the below 'tick box' checklist and fully familiarise yourself with the product and it's operating manual.

Personal Protective Equipment (PPE)	
Hearing protection	<input type="checkbox"/>
Welding mask/eye protection	<input type="checkbox"/>
Half-face/air-purifying respirator	<input type="checkbox"/>
Gloves	<input type="checkbox"/>
Overalls or Sleeved jacket and trousers	<input type="checkbox"/>
Safety footwear	<input type="checkbox"/>
Pre-operational safety checks	
Is the operator familiar with all aspects of plasma cutting operation and controls?	<input type="checkbox"/>
Have any emergency stops been located and tested to ensure they're in good working order?	<input type="checkbox"/>
Have all electrical connections to the plasma cutting machine been inspected, in good condition, secure and tight?	<input type="checkbox"/>
Is the material/work piece safe to cut and poses no health risks? Review any Safety Data Sheets (SDS) for specific technical data and precautionary measures for any materials or coatings on metals being cut with this equipment.	<input type="checkbox"/>
Are workspaces and walkways free of any trip and fall hazards?	<input type="checkbox"/>
Are workspaces clean and free of oil, grease, and/or any other flammable materials?	<input type="checkbox"/>
Is the supplied PPE, equipment and work space dry to avoid electrical shock?	<input type="checkbox"/>
Is the supplied PPE, Plasma machine and torch and work leads in good, working condition?	<input type="checkbox"/>

Operational safety checks	
Is the immediate area closed off to protect other workers from flashes?	<input type="checkbox"/>
Is ventilation to the plasma cutter in good working condition?	<input type="checkbox"/>
Ensure the plasma torch leads are away from the cutting area!	<input type="checkbox"/>
Are work leads and hoses secured to prevent the trip and fall hazard?	<input type="checkbox"/>
Is all required PPE available and equipped?	<input type="checkbox"/>
Ensure if local fume extraction is used that it's on and operational before beginning!	<input type="checkbox"/>
Is the machine correctly set up for current, consumables and gas pressure?	<input type="checkbox"/>
Are return cables making firm contact in order to provide a good electrical connection?	<input type="checkbox"/>
Is the workpiece free of any paint, oxides, or other surface finishes to ensure a good electrical contact?	<input type="checkbox"/>
Post-operational procedures checks	
Have the cut materials and the work piece cooled off?	<input type="checkbox"/>
Is the fume extraction unit turned off?	<input type="checkbox"/>
Is the plasma cutter turned off at the isolating switch?	<input type="checkbox"/>
Make safe and secure the Plasma machine and torch, spare consumables & work lead	<input type="checkbox"/>
Is the work area cleaned up and any tools and material put away?	<input type="checkbox"/>
Has defective equipment been reported to maintenance department?	<input type="checkbox"/>

- **Never leave the plasma cutter running unattended.**
- **If you have questions about the safe operating procedures of plasma cutters, please contact your supplier.**
- **This checklist 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.**