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| G:\6100_Performance_HR\6555 - Organisational Safety and Wellbeing\2. HSW - Systems and Strategy Team\Rebadging OSW Documents (Kristyn)\ITD logos\Updated 2018\Welding_word_banner_SOP.jpg**HOT AIR WELDER** |
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| **DO NOT** use this machine unless a teacher has instructed you in its safe use and operation and has given permission |
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| Approved safety glasses must be worn at all times in addition to a welding helmet | **Prohibition circle**Prohibition circleA suitable P2 or P3 filter mask *must* be worn whenever potentially toxic smoke and fumes are created.  |
| Foot Protection circleAppropriate protective footwear with substantial uppers must be worn. | A suitable protective workshop apron and leather gloves are advisable.  |

### **Never touch the hot metal nozzle**

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### **PRE-OPERATIONAL SAFETY CHECKS**

1. **Examine the power lead and machine for obvious damage.**
2. **Ensure that the cord does not create a slip/trip hazard.**
3. **Ensure the workspace is well ventilated.**
4. **Avoid overheating and burning of acrylics, painted and pigmented surfaces or toxic timbers such as Western Red Cedar. These fumes are VERY toxic.**
5. **Children often show curiosity towards a hot, burning type apparatus. Never leave the machine unattended when turned on or still hot. Leave unplugged when not in use.**
6. **Check for and remove all nearby flammable materials.**

#### OPERATIONAL SAFETY CHECKS

1. **This hot air gun can be used for the following purposes: hot air welding (PVC), softening and moulding plastics, curing epoxy resins, heat shrink tubing, removing decals and stickers, accelerating evaporation, etc.**
2. **Do not use a hot air gun when in the proximity of any flammable materials, gases or vapours.**
3. **Keep in mind the presence and direction of the heat produced.**
4. **Never direct, or point, the hot air flow (200-500°C) towards the body or towards other people. Hot air is invisible and can extend 40-50mm from the tip.**
5. **Never touch the hot metal nozzle with clothing or skin.**
6. **Avoid prolonged use. This could overheat the heating element, causing it to fail or oxidise.**
7. **Never leave the hot air gun unattended when still switched ON or when switched OFF but still hot.**
8. **Turn off and wait until both the nozzle and heating element have completely cooled before storing the machine away.**

#### HOUSEKEEPING

1. **Switch off, unplug and allow to cool down before storing.**
2. **Leave the work area in a safe, clean and tidy condition.**

## POTENTIAL HAZARDS

* + **Hot elements, surfaces and air flow (200-500°C) ◼ Burns**
	+ **Fire ◼ Toxic fumes ◼ Trip and slip**
	+ **Electricity ◼ Eye injuries**

**Date of last review:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_