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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****Circular Saw** |
| ***Students must complete the checklist below with a tick in every box before operating this portable power equipment*** |
| **Has your teacher given you instruction on the safe use and operation of this equipment?** | **🗆** |
|  |
| **Has your teacher given permission for you to use this equipment?** | **🗆** |
|  | Are you wearing approved safety goggles?. | **🗆** |
| Foot Protection circle | Are you wearing protective footwear with substantial uppers?. | **🗆** |
|  | Are you wearing a suitable P2 or P3 filter mask whenever potentially toxic smoke and fumes are created?  | **🗆** |
|  | Are you wearing a suitable protective workshop apron and leather gloves? | **🗆** |
| **Have you read the important information section on the reverse?** | **🗆** |
|  **PRE-OPERATIONAL SAFETY CHECKS** |  |
| 1. Is the machine (including the power lead) free from damage?
2. Is the cord out of the way so as not to create a slip/trip hazard?
3. Is the workspace well ventilated?
4. Are you avoiding overheating/burning acrylics, painted and pigmented surfaces and toxic timbers?
5. Will the machine be attended for the duration that it is switched on? Leave unplugged when not in use?
6. Have you checked for, and removed, all nearby flammable materials?
7. Are others protected? Close the UV curtain or erect UV safety screens.
 | **🗆** |
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Paste pages 1 and 2 back to back – cut out this section – laminate and trim to size

Hot Air Welder

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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****Circular Saw** |
| **Important information – read before use** |
| **OPERATIONAL SAFETY CHECKS** |
| **DO NOT use faulty equipment – report this immediately to your teacher.** |
| 1. The 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, to accelerate 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 (200-500ºC) 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 correctly.
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| **HOUSEKEEPING** |
| 1. Switch off, unplug and allow to cool down before storing.
2. Leave the work area in a safe, clean and tidy state.
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| **POTENTIAL HAZARDS** |
| ◼ Burns ◼ Electricity ◼ Eye injuries◼ Toxic fumes ◼ Dust and fumes ◼ Trip and slip◼ Hot element, surfaces and air flow (200-500ºC) ◼ Fire  |

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