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| ***Portable_Plant_SOP***  **COLD SAW** | |
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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 and face shield must be worn at all times in all ITD spaces. | Long and loose hair *must* be contained or restrained for some operations. |
| Foot Protection circleAppropriate protective steel-toed work boots must be worn in all ITD spaces. | A suitable workshop apron or close fitting protective clothing must be worn. |
| Remove all exposed rings and jewellery. | Hearing Protection circleAppropriate hearing protection *(Class 5 – SLC80 >26 dB)* must be worn. |

### **Never operate a faulty electrical power tool. Report it to your teacher.**

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

1. **Ensure the machine has a suitable safe work area.**
2. **If changing the cutting blade, check for appropriateness and arbor size.**
3. **Ensure all safety guards are serviceable and in place.**
4. **Inspect the cutting blade for chipped teeth or cracks.**
5. **If fitted with a depth stop, ensure it is adjusted and in proper alignment.**
6. **Familiarise yourself with the ON/OFF switch.**
7. **Check the coolant delivery system is sufficient and operational.**

#### OPERATIONAL SAFETY CHECKS

1. **Do not attempt to hold the work piece by hand.**
2. **Always use the vice to clamp the work. Properly support any overhanging portion so the work piece is level with the base of the machine.**
3. **Do not leave the length stop in place on the free off-cut end of a clamped work piece after clamping.**
4. **Do not have any part of your body in line with the path of the cutting blade.**
5. **Allow the blade to reach full speed before cutting.**
6. **Ease the cutting blade against the work piece. Do not use excessive force when cutting.**
7. **Keep hands away from cutting area. Do not attempt to remove cut material or swarf while blade is moving.**
8. **After finishing the cut, raise the saw arm up, release the switch and wait for the blade to stop completely before removing your work piece or off-cut piece.**
9. **Immediately clean up any coolant spills.**
10. **Before making any adjustments, bring the saw to a complete standstill and disconnect from the AC power source.**

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| **This saw is used to cut metal materials only** |

#### HOUSEKEEPING

1. **Ensure all switches, guards and clamping are cleaned.**
2. **Leave the work area in a safe, clean and tidy condition.**

## POTENTIAL HAZARDS

* + **Moving, rotating and sharp parts ◼ Noise ◼ Electricity**
  + **Dust and fumes ◼ Eye injuries ◼ Pinch and squash**
  + **Burns and hot ejected waste material**

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