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| ***Portable_Plant_SOP*****COMPOUND MITRE 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.  |
| Appropriate hearing protection may be needed when noise levels are excessive *(Class 5 – SLC80 >26 dB)* | Prohibition circle Remove all exposed rings and jewellery.  |

### **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. **Ensure material to be cut is free of loose knots and foreign materials i.e. nails. Material which is badly twisted or bowed should not be used.**
3. **Ensure the material to be cut is securely supported and at a good working height.**
4. **Check that the blade nut/stud is tight and that the blade is free of chips and cracks i.e. chipped teeth.**
5. **Tighten the adjustment levers and check that the saw guard/s are in place and in good working condition.**
6. **Check that the saw is stable and securely attached to the bench or trolley. If fitted to a trolley, lock the wheels prior to use.**
7. **Familiarise yourself with the operation of the ON/OFF switch.**
8. **Clear your work area of any slip/trip hazards and waste materials.**

#### OPERATIONAL SAFETY CHECKS

1. **The maximum cut for the saw must not be exceeded.**
2. **Material should be sitting flat on the base, securely clamped and supported up against the rear fence.**
3. **Do not start the saw with the blade touching the material. Allow the saw to reach full speed before starting.**
4. **If required, set the mitre angle for the task, ensuring the adjustment lever is located in the notch of the base and locked by tightening the knob.**
5. **Avoid reaching over the path of the saw line. Do not cross arms when cutting.**
6. **Keep non-trigger hand, especially the thumb, well clear of the line of the cut.**
7. **After finishing a cut, release the switch, hold the saw arm down and wait for the blade to stop before removing the work piece or off-cuts.**
8. **Inspect blade guard/s and mechanism regularly. Ensure waste does not prevent correct operation.**
9. **Before making any adjustments to the saw, bring the machine to a complete standstill and then disconnect the AC plug from the power source.**

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| **A very high risk of injury exists if guards and fences are removed** |

#### HOUSEKEEPING

1. **Switch off and isolate the table router after use. Ensure all guards are closed.**
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**

## FORBIDDEN

* + **DO NOT operate this saw in moist or wet conditions.**

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