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| Author: Kevin Arne Title: Prototyping Lab Supervisor Date: 6/15/2022  |
| #1 Process (if applicable) | Cut material (wood) by drawing a metal saw blade down through the work piece.  |
| #2 Equipment | Miter saw |
| #3 Personal Protective Equipment (PPE) | * Eye protection
* Gearing protection
* Minimum shop PPE
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| #4 Environmental /Ventilation controls. | The dust collection system should be turned on before starting the cut. |
| #5 Required training or approval  | * Miter saw training
* Review and observe general shop safety practices outlined in the MKRSPC MNL.
* Refer to the manufacturer’s operating manual for all operating procedures
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| #6 Inspection requirements before use | * Visually inspect the entire machine including power supply.
* Check the area to be sure people are alert and wearing PPE.
* Ensure all guards are fitted, secure and functional. Do not operate if guards are missing or faulty.
* Keep table and work area clear of all tools, off-cut timber and sawdust.
* Start the dust extraction unit before using the machine.
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| #7 Safe operating procedures or precautions | * Check to see that all adjustments are secure before making a cut.
* Before turning on the saw, perform a dry run of the cutting operation to ensure no problems will occur when the cut is made.
* Make sure the workpiece is held firmly against the fence during the cut, either by hand or with a push stick if the workpiece is too small.
* Keep fingers at least 6 inches away from the blade.
* When using the sliding feature, start your cut on the edge closest to you and finish closest to the fence.
* Use clamps to hold the workpiece whenever possible.
* Avoid reaching over the saw line. Do not cross arms when cutting.
* When pulling the saw down with your right hand, keep the left hand, especially the thumb, well clear of the line of cut.
* After finishing the cut, release the switch, hold the saw arm down and wait for blade to stop before removing work or off-cut piece.
* Leave the machine in a safe, clean and tidy state.
* If there are any questions regarding safety, ask a staff member for help.
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| #8 Chemicals/ spill procedures/waste disposal |  Not applicable |
| Author Signature: Date:  |