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| #1 Process  (if applicable) | 2D and 2.5D CNC routing of wood, plastics, and soft metals like aluminum |
| #2 Equipment | ShopBot CNC Router |
| #3 Personal Protective Equipment (PPE) | * Eye protection * Ear protection * Minimum shop PPE |
| #4 Environmental /  Ventilation controls. | Turn on the dust collector and attach the dust shoe before you start your cut. |
| #5 Required training or approval | * CNC router training * Review and observe general safety practices outlined in the MKRSPC MNL * Refer to the manufacturer’s operating manual for all operating procedures. |
| #6 Inspection requirements before use | * Visually inspect the tool for damage. * Ensure all speeds and feeds settings are appropriate for your material and cutting bit. * Double check the placement of your origin in your CAM software. |
| #7 Safe operating procedures or precautions | * Keep away from all moving parts while the machine is in operation to avoid being crushed or cut. * Make sure your workpiece is firmly attached to the table before cutting, either through screws or double-sided tape. * Be careful when handling bits as they are sharp. * When changing the cutting bit, make sure the spindle is turned off at the control box. * Keep your hands off the work table while the machine is in operation. The router can make unexpected moves. * Stay within reach of an emergency stop button. * Do not leave the router unattended during a cut as this can result in serious damage to the machine and/or fire. * If there are any questions regarding safety, ask a staff member for help. |
| #8 Chemicals/ spill procedures/waste disposal | When ¾ full, remove the dust collection bag, tie it closed, and dispose of in the dumpster. |
| Author Signature: Date: | |