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| Author: Kevin Arne Title: Prototyping Lab Supervisor Date: 7/14/2022 | |
| #1 Process  (if applicable) | Routing of wood and plastic |
| #2 Equipment | Trim router (also known as palm router) |
| #3 Personal Protective Equipment (PPE) | * Eye protection * Ear protection * Dust mask * Minimum shop PPE |
| #4 Environmental /  Ventilation controls. | * Ensure the workpiece is secure so it does not move when in use. |
| #5 Required training or approval | * Trim 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 | * Check for damage to the router bit. Do not use a damaged bit. * Inspect general condition of working area. |
| #7 Safe operating procedures or precautions | * Ensure all other students are clear of immediate work area. * Keep fingers and hands away from the cutting edges while the tool is plugged in. * Tie back any loose hair or clothing. * Make sure the bit is clamped securely in the collet. * Allow tool to reach speed (when starting) before engaging the work. * Feed the tool into the work against the rotation of the bit (conventional milling). Failure to do this can result in losing control of the router. * When taking deep cuts (greater than 1/8 inch deep), take multiple passes rather than one deep pass. * Avoid using excessive force. * Turn machine off and unplug to make any adjustments to the cutting bit. * Turn off the machine, unplug, and wait for it to stop spinning before leaving. * Be careful when setting the tool down as it is easy to accidentally place it on the spinning bit. * If there are any questions regarding safety, ask a staff member for help. |
| #8 Chemicals/ spill procedures/waste disposal |  |
| Author Signature: Date: | |