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| #1 Process  (if applicable) | Milling of single-sided and double-sided PCBs |
| #2 Equipment | ProtoMat S103 |
| #3 Personal Protective Equipment (PPE) | * Minimum shop PPE * Gloves recommended when handling the cut FR4. |
| #4 Environmental /  Ventilation controls. | * Confirm that the vacuum pump is functioning before making the cut. * Make sure the compressed air valve is in the open position. |
| #5 Required training or approval | * ProtoMat 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 and tool holders for damage. |
| #7 Safe operating procedures or precautions | * Avoid exposing the dust from the PCB machining to bare skin as it can cause irritation. * Be careful when handling bits as they are sharp. * Do not sweep your hand across freshly cut boards as the burrs can cut you. * Do not brush the dust, use a vacuum to contain the dust. * When swapping out tools, make sure that the tool has snapped into both the upper and lower rings. * Do not leave the ProtoMat unattended while cutting. * If there are any questions regarding safety, ask a staff member for help. |
| #8 Chemicals/ spill procedures/waste disposal | * Use handheld vacuum to clean the base of the bed for the next print. |
| Author Signature: Date: | |