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| #1 Process  (if applicable) | Sanding of wood, plastics, and soft metals |
| #2 Equipment | Belt Sander |
| #3 Personal Protective Equipment (PPE) | * Eye protection * Ear protection * Dust mask * Minimum shop PPE |
| #4 Environmental /  Ventilation controls. | * Ensure the equipment is secure so it does not move when in use. * Make sure the dust collection is turned on and the blast gates to the tool are open |
| #5 Required training or approval | * Belt/disc sander 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 | * Ensure the disc and belt are not damaged. No missing, loose or frayed parts. * Ensure work tables are not more than 2-3mm away from abrasives. * Plan your work to ensure free work piece movement and prevent interference. * Ensure appropriate guarding is in place. * Inspect general condition of working area. |
| #7 Safe operating procedures or precautions | * Ensure all other students are clear of immediate work area (spark path). * Keep fingers, hands and materials free from pinch points when machine is running. * Allow abrasive to reach speed (when starting) before slowly moving work piece toward disc/belt. * Use smooth, slow fluid motions. Never make abrupt fast movements. * Increase cutting/grinding/sanding force gradually. * Avoid excessive force and leaning into the sander. * Angle work to favor the direction of abrasive movement. * Use entire abrasive area when grinding to ensure even wear of belts and discs. * Turn machine off to make any adjustments. Unplug for maintenance (disc/belt changes). * Turn off the machine and wait for it to stop spinning before leaving. * Brushing off sanding dusts. * Ensure disk and belt are still in good condition. If not notify the technician a member of staff. * If there are any questions regarding safety, ask a staff member for help. |
| #8 Chemicals/ spill procedures/waste disposal | Check the dust collection system and make sure it is properly maintained and dust is removed frequently. |
| Author Signature: Date: | |