

Bench Grinder Operation

<b>Facility:</b>	<b>Written By:</b>	<b>Approved By:</b>	<b>Date Created:</b>	<b>Date of Last Revision</b>

<b>Hazards Present:</b>	<b>PPE or Devices Required:</b>	<b>Additional Training Required:</b>
Exposed revolving attachment-cuts, abrasion, trauma	Eye Protection Hard Hat	
Electrical Shock	Hearing Protection	
Noise	Safety Footwear	
Airborne particles	Gloves	
Hot workpiece		

**Safe Work Procedure:**

1. Read and understand the manual that accompanies your bench grinder.
2. Don personal protective equipment before beginning the task. Ensure clothing fits appropriately
3. Inspect work area. Clear floor of underfoot obstructions. Ensure bench grinder is mounted securely. Clear the area of flammable liquids, sawdust, or any other combustibles present. Ensure adequate lighting.
4. Unplug the grinder. Inspect its cord, guards, and body for damage, missing parts, or hazards. If defects are identified, tool is to be red tagged and locked out. Notify supervisor for maintenance. Only qualified personnel may perform maintenance.
5. Inspect attachment (grinding stone, sanding wheel, wire wheel, etc.) Replace and discard any attachment that is not in serviceable condition.
6. Adjust the tool rest(s) to between 1/4 and 1/8 inch clearance from the abrasive wheel. Adjust the tool rest to ensure the work piece to be ground will contact the wheel slightly above the centerline of the shaft.
7. Adjust eye shields.
8. Plug in and start the grinder. Check attachments for balance and running true.
9. Be aware of burns and fire hazard from sparks.
10. Keep both hands firmly on the workpiece or use clamps when required. Keep hands away from the attachment.
11. When finished, unplug the grinder from the power source. Clear work area of debris. Ensure spark stream has not left any smoldering combustibles.

***If an emergency situation occurs while conducting this task, or there is an equipment malfunction, engage the emergency stop and follow the lock out procedure***

**REPORT ANY HAZARDOUS SITUATIONS TO YOUR SUPERVISOR**

<b>Guidance Documents/Standards:</b> MB Workplace Safety & Health Act & Regulations:  2.1 Safe work procedures 6.13(1) Eye and face protectors 6.15(1) Respiratory Protective Equipment 6.8 Skin Protection Part 8 Musculoskeletal Injuries Part 9 Working Alone 12.4 Hearing Protection 16.4 Machine and Tool Safety 16.14 Lockout 16.22 Grinding Machines 16.25(1) Hand or Power Tools	This Safe Work Procedure will be reviewed any time the task, equipment or materials change and at a minimum of every three years
	Reviewed By WSH Committee:  Date: