

# Safety Instructions and Job Hazard Analysis: Bench Grinder

Job/Task Step	Hazard	Hazard Control Method/PPE
Inspect Equipment/PPE Check/Buddy System	N/A	<ul style="list-style-type: none"> <li>• Don all required PPE for use of the Grinder. Approved Safety Glasses with side shields, Face Shield, Long Pants, and Closed Toe Shoes</li> <li>• Consider Ear Plugs for noise reduction.</li> <li>• Additional foot protection is needed if working with heavy parts and pieces.</li> <li>• Tuck in shirt, no loose fitting clothing or jewelry.</li> <li>• Long hair must be pulled back or tucked into a hat.</li> <li>• Ensure guard is in place over the grinding wheel prior to beginning. Pull the guard down in front of the wheel to prevent injury to eyes and face.</li> <li>• Ensure area is clear in front of the grinder to prevent Slip/Trip/Fall hazards.</li> <li>• Work with the supervisor of the space to review operation and ensure all risks have been addressed.</li> <li>• Ensure no combustible or flammable material is within 10 feet of the grinder during operation.</li> </ul>
Start the machine and slowly contact material to the grinding wheel	Abrasions/Laceration, Pinch Points, Falling Objects, Eye Injury, Noise Hazard	<ul style="list-style-type: none"> <li>• Be aware of hand and body placement during grinding/buffing activities.</li> <li>• Hold onto the material being ground/buffed tightly.</li> <li>• Use the base of the machine in front of the wheel to support the material being ground/buffed to prevent kick back.</li> <li>• Be aware of falling objects and/or sparks caused from grinding activities.</li> <li>• Wear Closed Toe Shoes and Long Pants.</li> <li>• Grinding and/or buffing activities will</li> </ul>

		<p>cause debris to be ejected in back of the wheel.</p> <ul style="list-style-type: none"> <li>• Wear Safety Glasses and a Face Shield while using the bench grinder.</li> <li>• Consider ear plugs due to the potential of high noise hazards.</li> </ul>
<p>Turn off the grinder and clean up the area</p>	<p>Abrasions/Laceration, Pinch Points, Flying Debris, Muscle Strains</p>	<ul style="list-style-type: none"> <li>• Wheels will not immediately stop. Do not touch the wheel to force it to stop.</li> <li>• Wait for the wheels to completely stop turning prior to moving on.</li> <li>• Wear gloves if the material that is being cleaned up is sharp or hot.</li> <li>• Be aware of sweeping activities and wear safety glasses to prevent flying objects from causing eye injuries.</li> <li>• Use proper lifting techniques while cleaning up the area.</li> </ul>

In case of malfunction: If the tool does not perform as anticipated, or makes an unfamiliar sound, or creates any safety concerns: IMMEDIATELY notify a Maker Ninja and ask them to Lockout and Tag out the tool until a follow-up inspection can be completed.