

Bench Grinder Safety and Operation

NOTICE Rules and guidelines listed on this page are only reminders. Persons must read lab safety manual, machine manual, and be trained by WRL Manager.



Safety Rules

- Safety glasses are required. Dust mask advised.
- Don't wear loose clothing or gloves, keep long hair tied back.
- Grinders are not recommended for material other than metal.
- Never grind aluminum or magnesium. Chance of fire.
- Keep fingers 2-3" away from wheel.
- Never adjust Grinder or setup while Grinder is running.
- Never remove guard.
- Setups requiring anything other than the standard Grinder equipment must be approved by supervisor.
- Never grind on side of wheel.
- Wheel changes must be approved by Technician or WRL Manager.
- Grinders will throw pieces if operated improperly. Be aware of what you are doing.
- Don't grind material that is too small to be held or supported properly.
- If machine is malfunctioning stop immediately and report to supervisor.

Operation

- Put on your safety glasses and dust mask.
- Make sure all guards are in place.
- Check that tool rest is less than 1/8" from the wheel.
- Inspect the wheel for chips or cracks.
- Stand to one side and turn grinder on.
- Allow grinder to reach full speed.
- Hold piece firmly against table or stop.
- Move object being ground back and fourth on wheel.
- Do not leave grinder until it has come to a complete stop.
- Wait for piece to cool before touching end.
- After completing work clean grinder and area around it.
- Tear down all setups made. Setups may be left with approval of supervisor.