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|  | Job Safety Analysis |
| Portland State University |  |
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| Facilities Services |  |  |
| Operating a Bench Grinder |
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| **Task** | **Hazards** | **Controls** |
| 1. Check position of tool rests and condition of wheels.
 | Loose or poorly adjusted tool rests create pinching hazards. | Adjust and tighten tool rests. |
| Cracked or broken wheels create projectile hazards. | Confirm wheels are not cracked or broken. |
| 2. Turn on grinder. | Broken pieces of wheels striking operator. | Stand off to the side of the grinder when turning it on. |
| 3. Grind object. | Abrasion and burns to fingers and hands  | Wear leather gloves.Keep fingers and hands away from wheels. |
| Flying sparks and debris | Wear safety glasses or face shield.Keep flammable materials away from grinding operation. |
| Pinch to hand. | Wear leather gloves.Keep fingers away from pinch points. |
| **Required Training:**1. Operation of grinder | **Required Personal Protective Equipment (PPE)**1. Leather gloves
2. Safety glasses
3. Face shield
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| **Other Information:** |  |
| **Contributors:** | Reviewed JKM |
| **Created:** | July 2006 |