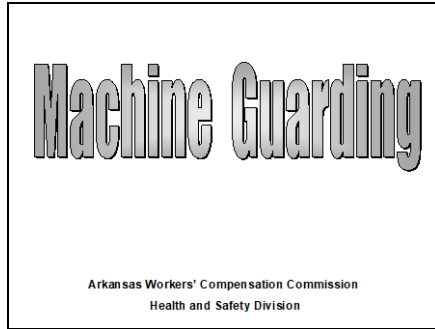
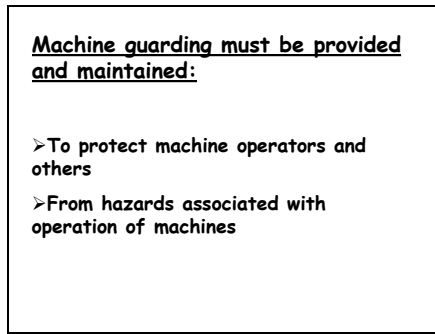


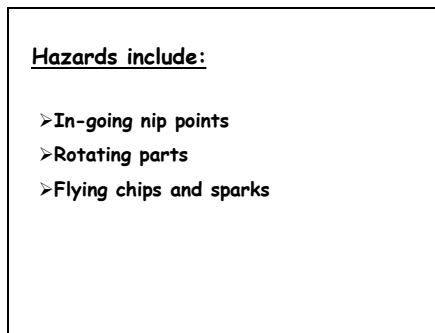
Slide 1



Slide 2

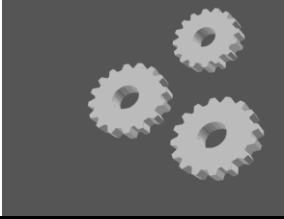


Slide 3



Slide 4

Rotating:
In-running nip points, spindles,
shaft ends, couplings



Slide 5

Reciprocating:
Back-and-forth, up-and-down



Reciprocating
saw

Slide 6

Transverse:
Movement in a straight, continuous
line


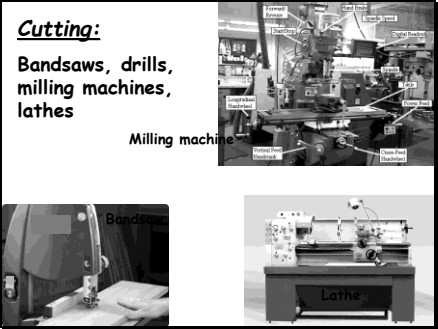
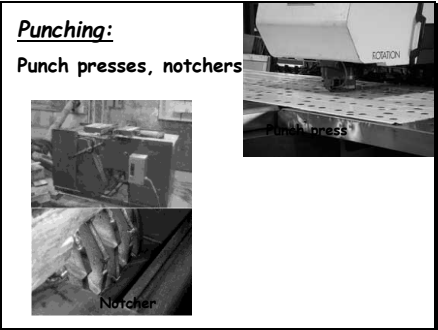


Table saw

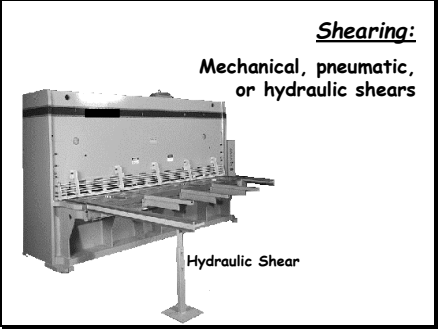
Slide 7



Slide 8




Slide 9



Slide 10

Bending:
Press brakes, tube benders, plate rolls



Press brake

Slide 11

Machine guards must be installed and maintained to:

- Prevent contact
- Remain secure
- Protect from falling objects

Slide 12

Machine guards must be installed and maintained to:

- Create no new hazards
- Create no interference

Slide 13

Allow Safe Maintenance and Lubrication

You should be able to lubricate the machine without removing the safeguard.

Slide 14

Types of Machine Safeguards:

- **Barriers and guards**
 - Prevents contact
- **Mechanical or electronic devices**
 - Restricts contact, e.g. presence-sensing, restraining, tripping devices, 2-hand controls
- **Feeding and ejection methods**
 - Eliminates parts handling
- **Aids**
 - Warning signs

Slide 15

Training:

- Identification of hazards
- Description of safeguards
- Instructions on how to use safeguards.
- Instructions on how and when safeguards may be removed
- Instructions on what to do if safeguard is missing, damaged, or inadequate

Slide 16

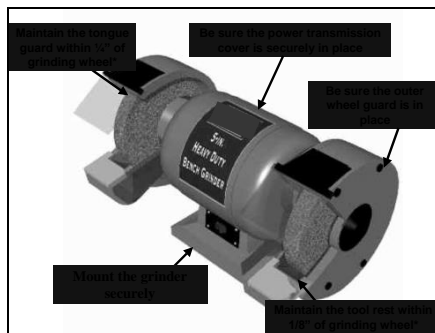
GRINDER SAFETY

Slide 17

Always protect your eyes when using a bench or floor grinder – wear only an eye or face shield bearing the logo ANSI Z-87.

Make sure the manufacturer's recommended speed, as posted on the wheel, is compatible with your grinder.

Slide 18



Slide 19

***As the wheel wears down, readjust the tool rest and tongue guard. When you can no longer adjust them, replace the wheel.**

Important: When installing a new wheel, follow the manufacturer's instructions closely. An improperly installed wheel can break and cause injury.

Slide 20

Thank you!
