

# Machine Guarding

**Superfactory Excellence Program™**  
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## *PURPOSE OF POLICY*

- **Protect employees, contractors and visitors from any machine related hazards such as:**
  - \* **Point of Operation**
  - \* **Rotating parts**
  - \* **Flying chips**
  - \* **Sparks**
- **Comply with related regulatory standards (OSHA)**

## *Where Mechanical Hazards Occur*

- **The point of operation, or point where work is performed on the material:**
  - \* **Cutting, shaping, boring, forming**
- **Power transmission apparatus, or components of mechanical system that transfer energy:**
  - \* **Flywheels, cams, clutches, cranks**
- **Other moving parts, or parts that move while unit is working: Feed mechanisms, auxiliary parts**

## *Hazardous Mechanical Motions & Actions*

### **- Rotating Motions**

Smooth & rotating shafts, collars, flywheels, shaft ends, spindles, couplings.

### **- In Running Nip Points**

- \* Parts rotating in opposite directions or in close contact
- \* Rotating & tangentially moving parts (i.e. belt & pulley)
- \* Rotating & fixed parts, creating a shearing or crushing action (i.e. spoked handwheels)

## *Hazard Motions & Actions (continued)*

- **Reciprocating Motions**

Back/Forth or Up/Down motions.

- **Transverse Motion**

Straight and continuous line.

- **Cutting Motion**

Involves machines with rotating, reciprocating or transverse motion (i.e. bandsaws, circular saws, lathes, milling devices).