CNC MACHINES

Computer Numerically Controlled (CNC) machines are used to cut and shape an assortment of products from automobile parts to general machine parts.

Hazards Involved/Arise
- Pinch points
- High noise levels
- Slips, trips and falls
- Cuts and bruises
- Struck by flying debris
- Caught in
- Defective equipment
- Electrical shock
- Burns
- Exposure to metal working fluids and chemicals used in the machine
- Prolonged standing

People Affected
- CNC operator
- Other workers

Existing Controls
- Training: Operators must be certified
- Documented pre-use inspections
- Machine guarding:
  - Fixed
  - Adjustable
  - Electronic (interlocks, light curtains)
- Lockout/Tagout (LOTO) of defective equipment
- Local exhaust ventilation for airborne particulate (e.g., mist, oil)
- Anti-fatigue and anti-slip mats
- Metal working fluid maintenance program
- Personal Protective Equipment (PPE):
  - Foot protection (anti-slip)
  - Eye and hearing protection
  - Hand protection (impervious to chemicals)