



JOB AID HAZARD AWARENESS INFO

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)

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