

.....**MACHINE GUARDING:**
The Basics
What Would Cosmo Do?



Cosmo understands machine guarding
Areas that require Safeguarding:



The Point of Operation - where work is performed on the material

Power transmission apparatus - all components of the mechanical system that transmit energy to the part of the machine performing work

Other moving parts - All parts of the machines that move while the machine is working

Safeguarding Requirements:



Prevent Contact - Must prevent body parts from making contact with dangerous moving parts

Secure - Workers should not be able to easily remove or tamper with the safeguard

Protect from falling objects - Should ensure that no objects can fall into moving parts



Create no new hazards - Defeats its own purpose if it creates a hazard of its own

Create no inference - Any safeguard which impedes performing the job might be overridden.

Types of Hazardous Mechanical Motions:

Reciprocating

Transversing

Rotating

Types of Hazardous Mechanical Actions:

Shearing

Bending

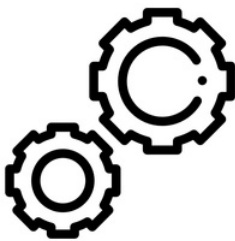
Punching

Cutting

Workers who operate and maintain machinery suffer over 800 deaths annually.

<https://www.osha.gov/SLTC/etools/machineguarding/index.html>

29 CFR 1910.211



Safety Is Everyone's Responsibility

BYU

Risk Management and Safety

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