



Machine Safety Priority Matrix

The following is a machine safety priority matrix used to evaluate and rank hazards based on risk factors to determine where guarding improvements should be prioritized.

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Engineering Your Safety

Use this tool to prioritize machine safety risks and determine where to focus improvements.

Scoring: 1 = Low | 2 = Medium | 3 = High

1. Severity (injury potential):

- 1 = Minor (first aid) Score: ____
- 2 = Serious (recordable injury) Score: ____
- 3 = Severe (amputation, fatality) Score: ____

2. Exposure Frequency:

- 1 = Rare Score: ____
- 2 = Occasional Score: ____
- 3 = Frequent Score: ____

3. Avoidance Possibility:

- 1 = Likely avoidable Score: ____
- 2 = Possibly avoidable Score: ____
- 3 = Not avoidable Score: ____

4. Number of People Exposed:

- 1 = 1 person Score: ____
- 2 = 2 to 3 people Score: ____
- 3 = 4+ people Score: ____

Total Score Calculation:

- Total Score = Severity + Exposure + Avoidance + People
- Your Score = _____

Priority Levels:

- 10 to 12 = Priority 1 (Immediate Action)
- 7 to 9 = Priority 2 (Planned Upgrade)
- 4 to 6 = Priority 3 (Monitor / Improve)

This matrix is a general guideline and is not intended to serve as a formal, certified, or compliant risk assessment. Use of this document does not ensure compliance with ANSI B11.19, Occupational Safety and Health Administration regulations, or any other safety standards. PowerSafe Automation assumes no liability for the use or misuse of this tool. A detailed risk assessment performed by a qualified professional is required to properly evaluate machine safety risks.

If you are interested in a Guarding Assessment done by PowerSafe Automation, please contact us at 260.993.2828.

Inspection performed by (Print)

____ / ____ / 20____
Date of inspection

Inspection performed by (Signature)