

Risk Assessment

▶ **Matrix Technologies** helps the world's leading industrial manufacturers address their most challenging safety concerns.

A comprehensive risk assessment is the cornerstone for a successful machine safety strategy by gaining a thorough understanding of the potential hazards associated with your production equipment, machinery and processes. The risk assessment process provides a documented guide to regulatory compliance, facilitates positive attitudes by company employees toward machine safety, and is a means to proactively identify safety related hazards for individual tasks which could cause injury, downtime and reduce productivity.

Risk Assessment Process: Leading safety organizations including TUV, IEC, NFPA, ANSI and ASSE have recognized and promoted the benefits associated with performing risk assessments based on industry published methodologies.



▶ *Matrix will facilitate the risk assessment process.*

Advantages of Matrix's Risk Assessment Services

Task Based Risk Assessment:

- Setup, operators, maintenance & sanitation personnel
- Process design
- Circuit architecture & machine guarding (controls, hard and removable guards)
- Awareness means (signs, beacons, markings)
- Training & administrative requirements
- Personal Protective Equipment (PPE)

Risk Assessment includes:

- Participation of key operations and maintenance personnel
- Clarification of safeguarding, control architecture and safety performance requirements
- Documentation of intent to produce a safe product or workplace
- A safeguarding baseline
- Identification of potential hazards both obvious and obscure
- Ownership of safety in the operations and maintenance personnel ranks

Risk Assessment Deliverables:

- Summary of machine parameters, risk assessment methodology, and risk assessment team members
- Users and Hazards identified and the risk reduction method for each pair
- Potential mitigation techniques with budgetary cost estimate
- Mitigation log for tracking purposes

Safety Services:

Matrix Technologies upon completion of the Risk Assessment process can provide mechanical and electrical design services to mitigate identified hazards. This can include fixed and moveable safety guards, safety circuits, controls updates and safety controller design and programming services.

▶ The Matrix Difference

People: A versatile, knowledgeable team of design and engineering experts.

Process: A proven project approach designed to embrace a customer's proprietary methods.

Performance: A 40-year track record of successful projects, completed on time and on budget.