



Machine risk assessment services

Prevent injuries and mitigate risk by identifying and managing hazards associated with your machinery with the help of the world's most trusted name in safety.

Identifying and managing risks in an industrial environment is important for not only protecting workers and business continuity, but also for meeting (and exceeding) compliance. While some risks can be eliminated, most must be controlled. Risk control efforts start with frequent and programmed inspections created by sound risk management processes and procedures. In today's ever changing world of regulations, corporate social responsibility and global competition, organizations must not only protect their reputations and maintain market share, but have a moral obligation to safeguard their most valuable asset: their employees.

Now, safety professionals and business leaders can tap into the machinery safety expertise of UL. Our Machine Risk Assessment Program will:

- Provide on-site risk assessments and machine safeguarding audits of industrial machinery to OSHA, ANSI, NFPA, RIA, and applicable ISO and IEC/EN standards.
- Identify applicable U.S. or local regulations and standards that apply to your specific machinery.
- Perform a gap analysis of the machinery to the applicable standards.

- Perform a risk assessment in accordance with ANSI B11.0 or ISO 12100 that includes client input and recommends practical risk reduction measures.
- Provide a detailed machine safety report that includes observations, risk levels and options to meet or exceed safety guidelines.

Custom and confidential

UL's machine risk assessment program is tailored to your organization's unique needs, machines and installation(s). Our team of field evaluators, trainers and engineers can support risk assessments and evaluations for industrial applications across multiple industries.

UL's risk assessment program supports and serves factory owners, asset owners and employers. All engagements, findings and reports are kept strictly confidential.

Why choose UL?

- For over 125 years, UL has been trusted for safety by providing engineering expertise and helping our customers manage risk.
- UL is an unbiased independent third party providing risk mitigation services that create safer work environments and peace of mind.
- UL is in factories today. We are experienced on the factory floor, and our expanded services offer site and machinery safety assessment to help protect against injuries and loss.



On-Site Risk Assessment

Starting your risk assessment is straightforward. Qualified UL experts visit your facility and identify all applicable standards, codes and regulations, and evaluate your equipment accordingly. We provide you with a detailed written report that includes specific areas of potential hazards, non-compliances, risk levels and options for corrective actions.

Risk assessment and machine safe guarding audits

Machine hazard assessments -

On-site hazard assessments identify machine hazards, risk estimates and provide machine safeguarding recommendations. This approach is typically applied to multiple machines and is a cost-effective method for performing plant-wide machine safety assessments.

Machine safety risk assessments -

A machine safety assessment includes all inspection and activities from the hazard assessment, plus inspection and observation of a machine in operation to identify existing hazards, machine safeguarding, safety systems and risk reduction measures.

ANSI/RIA machine risk assessment -

A machine risk assessment includes all inspections and activities in our machine hazard and machine safety assessments plus interviews and discussions with your engineering, operators, maintenance and safety personnel (as available), and completion of an ANSI/RIA risk assessment document in addition to the safety report.

ANSI/RIA team based machine risk assessment -

This assessment pairs UL experts with your key staff roles to perform an in-depth assessment of the machine. UL experts will facilitate machine inspection, guide discussion and provide an ANSI/RIA risk assessment spreadsheet. You will include in the meeting, as a minimum, the following authorized personnel: operator, maintenance, engineering and EHS.

Additional services

Training

UL provides an extensive library of courses to support development of a safety culture and a healthy and safe workplace environment. Course topics include:

- Machine Guarding & Safety
- How to Conduct a Risk Assessment
- U.S. Machine Safety Standards & Codes
- OSHA 10 and 30
- Lock Out Tag Out Safety (LOTO safety)

Advisory services:

- System integration – UL helps system integrators ensure the safe and reliable operation of subsystem components and assemblies
- Safety system design review – including functional safety and control reliability reviews
- On-site validation
- Development of risk assessment program
- Review of current employee health and safety programs relating to machinery operations
- Other custom services

Other solutions:

- **PureOHS:** PureOHS is UL's scalable EMR solution that streamlines the data management process for an organization's occupational health program. PureOHS assists in critical areas such as regulatory compliance, case management, incident management, event management and execution of surveillance programs.
- **PureLearning:** UL's PURE Learning solutions include robust learning management systems, a suite of over 2000 e-learning courses, and content solutions. With a comprehensive suite of safety training courses, safety professionals around the world depend on UL content to meet compliance goals and stay safe on the job.

For more information, contact your local Field Engineer or sales team, e-mail FactoryServices@ul.com or visit ul.com/MachineRiskAssessment



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