

Machine safety risk assessments

Reduce risk and protect your people



- Protect your assets by identifying and understanding risk
- Develop a plan of action to reduce exposure and optimize compliance
- Partner with a global expert to ensure ongoing safety and productivity

Not sure if your machines are properly safeguarded?

Be confident in your compliance with Omron's Risk Assessment Services.

Regulatory risk can be a serious challenge to overall productivity, employee safety and the financial well-being of your company. If you're not sure your machines could pass a regulatory inspection, take the first step by understanding your risks.

Leverage Omron's Risk Assessment expertise and global experience to protect the machines that make your products:

- Understand your current compliance status
- Identify and prioritize which equipment presents your greatest risks
- Develop a strategic plan for compliance
- Minimize downtime, ensure employee safety and reduce the risk of steep fines

In evaluating over 30,000 machines, we found that 93% did not have the proper safeguards to meet the relevant standards. Let our team of experts correctly assess machine hazards and develop a safeguarding solution that minimizes your risk and achieves regulatory compliance.

Top 4 Regulatory Issues Identified by Omron Risk Assessments:

1. **No guarding, or non-compliant guarding at the point of operation** [see ANSI B11.19 Performance Requirements for Safeguarding/OSHA 1910.212 Machinery and Machine Guarding General Requirements]
2. **Lack of a safety-rated monitoring device (SIC) for the safety circuit** [see ANSI B11.19 (Control Reliability)]
3. **Non-compliant emergency stop buttons** [see NFPA 79 and ANSI B11.19]
4. **Energy isolation components that are missing, or non-compliant** [see ANSI ASSE Z244.1 Control of Hazardous Energy]



Our team: Safety specialists, not safety salespeople

To us, Safety Assessor isn't just a title or a nice-to-have skill — it's that person's entire job and focus.

Our dedicated, full-time experts have the experience and expertise to ensure your equipment meets international and regional safety standards.

Knowledgeable in regulatory compliance best practices, they work with you and your team to understand production needs and develop compliance plans that reduce risk and preserve your productivity.

Our Safety Assessment Specialists:

- Assess and evaluate over 3,000 machines globally every year
- Develop solutions that meet or exceed standards and regulations
- Focus exclusively on machine guarding safety
- Experts on applicable regulations, directives, and standards
- Maintain or improve your productivity with creative safeguarding solutions



Our process: Collaboration, not confrontation

Our process depends on partnership. You know how to make your products, and we know how to make the machines that make those products safe. Together, we collaborate to develop and implement solutions that not only improve machine safety, but meet regulatory compliance and reduce your overall risk.

Our Risk Assessment Process:

1. Our Omron Safety Assessment Specialists start with an on-site visit at your facility, where we work with your team to understand your operational, process and maintenance needs.
2. We identify and evaluate each hazard based on:
 - Degree of possible harm
 - Probability of occurrence
 - Possibility of avoidance
 - Frequency/Duration of exposure
3. Based on our findings, we calculate a Risk Level Score, which helps us develop machine-specific Risk Reduction Solutions that support your production needs, while enhancing employee safety.

Comprehensive Risk Assessment Report



THE BLUEPRINT FOR ONGOING COMPLIANCE

Action plans need detailed documentation

Our Risk Assessment Report is more than a formal evaluation of the current safety status of your plant. It's the blueprint that ensures ongoing plant safety and productivity.

We arm your team with the information and knowledge needed to implement an effective risk reduction strategy, including:

- Relevant international and domestic standards for your equipment
- Areas of compliance and non-compliance
- Machine-specific hazards and risks
- Initial Risk Level Score (RLS) by machine

- Required Safety Performance Level (PLr) per EN ISO 13849-1:2015
- Prioritization Score for Risk Reduction
- Machine-specific Risk Reduction Solutions
- Residual Risk Level Score (post solution-implementation)

Based on this Assessment Report, your team — in partnership with Omron — can make fact-based decisions on how to allocate resources to make (and keep) your plant safe on a schedule that works with your production needs and budget.

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