

Saving Lives Through Machine Safeguarding

How Machine Safety Drives Productivity and Profitability



Proper Safety Protocols:

- » Increase efficiency and productivity up to 20%
- » Reduce total cost of ownership (TCO) up to 30% over machine life cycle
- » Return \$4 to \$6 in savings for every dollar invested (OSHA)

We Do More Than Make Machines Safe

Optimizing the Interaction Between Humans and Machines



In our experience, more than 90% of machines on the factory floor are not guarded to relevant standards and regulations—exposing you and your operators to serious repercussions in terms of safety, liability and productivity. Omron not only makes your machines safer by bringing them into compliance, we also ensure that your employees understand how and why a machine is safeguarded. When operators are informed and involved, they are better able to focus on the efficiency and quality of the product they're producing, creating an optimal interaction between the operator and the machine.

Award-Winning Machine Safety Solutions

We offer a wide range of machine safety solutions so you enjoy the added benefit of working with a single source for all your machine safety needs.

- Machine Safety Training Seminars
- Machinery Safety Health Check Services
- Machine Stop Time Measurement Services
- Formal Machine Safeguarding Assessment and Documentation Services
- Machine Safety System Engineering
- Safety System and Safeguard Installation Services
- Safety System Final Validation/Verification and 'Safety Sign Off'

Nothing is More Important than Choosing the Right Partner



Machine Safety is Our Passion

Machine safety is not a part-time job. Complex and time consuming, compliance can soak up a lot of internal resources...who may still not get it right. At Omron, machine safety is all we do. It is our core competency and our people are specialists, the best in the business at what they do. When you choose Omron as your partner, you'll enjoy total peace of mind so you and your employees can focus on what you do best: running your business.

Decades of Expertise, Experience and Results

At Omron, we have more than 100 years of combined experience in industrial machine safeguarding. Every Omron Certified Safety Engineer has extensive internal training and is certified by an independent third party organization. Most importantly, we have real world experience with a track record of success – in just the last three years we've assessed more than 12,000 machines and performed remediation on nearly a third of those. This level of achievement is truly a product of our people, the safety specialists who work with companies like yours every day.

"Omron's synergistic capability to provide automation solutions along with machine safety makes them the most preferred partner amidst competitors. Customers have experienced the added advantage of relying on a one-stop shop solution provider, which helps them choose products that suit their needs and improve their overall process safety and efficiency."

— Frost & Sullivan

Leading the World in Standardized Safety Solutions

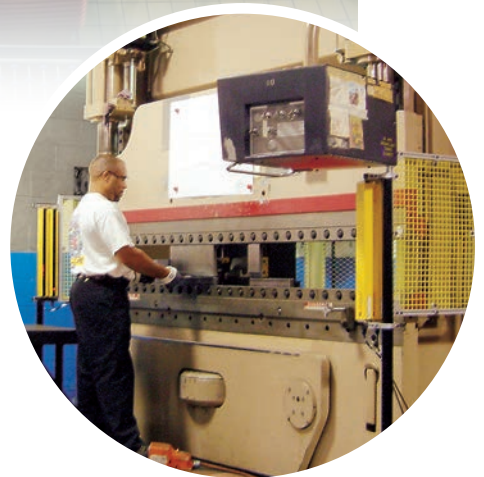
With 300 offices in 80 countries, Omron is uniquely positioned to be your global safety partner. We are known throughout the world for safety leadership and innovation, for combining new technology and proven best practices to help our customers achieve a safe and productive advantage.

Making Your Plant in India as Safe as Your Plant in Indiana

Whether you have a single-site enterprise or a multi-site global operation, our machine safety programs are 100% scalable. You'll benefit from our proven, consistent approach to every site, with customization where needed to meet local and international machine safety requirements.

Experts in Local, Regional and Global Standards

We can guide you through the complexities of international safety regulations with ease. In fact, Omron has helped to develop worldwide safety standards for more than two decades. Our employees serve as active members or chairmen on over 20 committees (both international and domestic) relating to machine safeguarding standards and issues. As an advisor and participant in organizations such as ANSI, ISO, RIA and the IEC, we know global safety protocol inside and out. We share this knowledge with you through training, documentation and seminars, so you're in compliance today and prepared for tomorrow.



Four Simple Steps to a Complete Machine Safety Solution



Step 1.

Machine Safeguarding Risk Assessment

Our machine safety specialists assess your machinery to all relevant local and international machine safety standards. We'll identify hazards and evaluate risk levels using the following criteria: Degree of Possible Harm (DPH), Probability of Occurrence (PO), Possibility of Avoidance (PA), and Frequency and/or Duration of Exposure (FE). From this evaluation, each machine will receive a Hazard Rating Number and remediation priorities can be set.



Step 2.

Solution Design

After the risk assessment, we'll engineer a customized safeguarding system based on our findings of risk level, production needs and compliance requirements. We'll recommend the best course of corrective action—from prevention of access to hazards to system architecture and safety-critical circuit design. You'll receive a comprehensive, cost-effective plan that minimizes impact and interruption of your operations. All final "as built" product documents, schematics, software and redline drawings are provided within 30 days of completed remediation.



Step 3.

Implementation & Training

Installation of your safety systems and training on the newly installed guards and safety devices is a critical step in the process. Safety systems are installed by Omron-trained installers or under the supervision of a trained Omron Safety Integration Supervisor. We also offer kitted solutions to be installed by the customer under the supervision of an Omron Integration Supervisor. Once the safeguards have been installed, Omron will train your operators and maintenance personnel on the care and use of the newly installed elements to ensure you get all the benefits improved safeguarding can deliver.



Step 4.

Safeguard Validation

When safeguard installation work is completed, Omron performs a documented validation of all the guards, systems and devices we have installed. This is an in-depth check of proper position, location, function and use of each guard and device per the applicable standards. Omron provides a copy of the machine's validation documentation and sign-off forms as soon as the validation process is complete. You'll be able to use these validation protocols to revalidate your machinery through its lifecycle, especially when machines are modified or repaired.



How Safe Are Your Machines?

Get an Omron Safety Check

Omron's Safety Check is the first step in making all of your sites safe and compliant. It also helps focus investment as part of an overall machine asset management strategy. During the Safety Check we'll perform a high-level inspection of your machines and talk with operators as well as plant safety supervisors and managers to identify potential hazards, and perform more in-depth reviews where needed. It's an important step in determining where you stand today, where you need to be and the best route to get there.



Complete compliance at a pace to fit your budget

The next part of the process is creating a cost-effective plan to perform a detailed inspection and assessment of your machines of concern, based on the safety check findings. We then customize a remediation program at a pace that suits your timing and budget. We'll prioritize the need by risk level and tackle the most urgent issues first. Most importantly, we'll train your staff to ensure that the solutions we implement are sustained for the long-term. We'll also return at predetermined intervals to reassess your machines to make sure they stay safe and in compliance.



Take the next step today

Learn more about how we can help you reach your safety and productivity goals. Contact us at apac_enquiry@ap.omron.com

MEMO

Visit www.omron-ap.com/mse to find out more.

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