

OMRON



Ensure compliance and
protect your people

Comprehensive safety services from Omron

Your trusted partner for all machine
safety needs

Advanced safety solutions from a trusted provider

At Omron, we've spent decades supporting manufacturers and other industrial organizations as a safety solutions provider, and we've built a solid reputation for diligence and unmitigated excellence.

Holistic management for a safe manufacturing facility

The process of complying with regulatory requirements and providing a safe environment for your employees can be complex. To help you minimize risk on the plant floor, we help you develop a comprehensive strategy covering all aspects of machine safety.



Wide-ranging expertise to ensure compliance

Leverage our industry knowledge of both safety and industrial control – as well as that of our strategic partners – to address your specific safety needs. With a team of highly trained safety specialists and a flexible solutions portfolio, we have the necessary capabilities to help you achieve compliance.



Global network with decades of experience

We take advantage of our worldwide presence to bring complete safety solutions straight to you.

- More than **15,000 machines** made safe
- **35+ years** of experience
- Operating in **110 countries**



Functional safety training

Education is a mainstay of any industrial workplace. Take advantage of our comprehensive and flexible safety training options to help your team understand the requirements for safe machinery and avoid bringing unnecessary risks into your facility.

Machine Safety Skill Builder

Omron's Skill Builder on-site seminars teach the requirements, methods and practical application of machine and process safeguarding. These two-day workshops cover applicable regulatory requirements, machine safety risk identification and the application of safeguarding concepts.

The program is ideal for EH&S personnel, plant maintenance and engineering teams, production managers, and any managers concerned with the safety of plant personnel.

TÜV Rheinland FS Technician

Give your support team the confidence they need to work with safety products and their corresponding applications. Participants will learn how to maintain machine safeguarding devices and safety-related controls to meet standard requirements.

- General safety concepts
- Advantages and disadvantages of various safety components
- Validation of operation for common safety components
- Safe distance calculation
- Maintenance and repair of safety systems
- "Safe" modification of existing systems for temporary situations
- In recognition of their new knowledge, successful attendees will be registered as "TÜV (Rheinland) Functional Safety Technician" and will be listed in TÜV Rheinland's Certipedia.

TÜV Rheinland FS Engineer

For seasoned engineers with an interest in functional machine safety, this is an excellent opportunity to learn in depth about industry standards and formal risk assessment methodology. Students who pass the exam at the end of the course are awarded the prestigious, global certification as a "TÜV (Rheinland) FS Engineer".

- Standard types, risk assessments and machine directives
- Fixed Guards and E-stops
- ISO 13849-1 and IEC 62061
- Functional safety management and software



Machine guarding solutions

Machine and plant safety can often seem like an unnavigable labyrinth of standards and regulations. With our unmatched combination of expertise, products and services, we can help you protect your team without sacrificing output.



- Protect your employees from unnecessary risks
- Maintain compliance with safety standards
- Avoid incident-related costs such as regulatory fines, downtime, legal fees and increased OSHA inspections
- Harness advanced safety technologies to preserve your productivity
- Partner with a global safety provider for consistent, world class support

Risk assessments, design support and more



Risk Assessments

Be confident that your machines are properly safeguarded by partnering with a global safety expert. Omron can help you develop a strategic plan for compliance that will ensure ongoing safety and productivity.

Our team is composed of safety specialists rather than salespeople, and our approach puts collaboration first and foremost. Omron Safety Assessment Specialists evaluate over 3,000 machines per year and help customers implement solutions that meet or exceed regulations.

Safety Solution Design Support

As a single source for all machine and process safeguarding needs, we're best positioned to provide

expert guidance from components to consulting. Leverage our specialists and their decades of experience for exceptional design assistance. Take advantage of our global presence and expertise to be sure you get a safety solution design that makes your plant compliant and protects your employees.

Safety System Retrofits

Retrofitting legacy equipment with safety solutions that meet current standards can be a challenging task. We can help you safeguard your older machines without negatively impacting your production efficiency and workflow.

Visual lockout/tagout procedure services

Lockout/tagout (LOTO) problems are consistently among the top five violations for regulatory agencies in the Americas. Our experts can give you the necessary information and advice to help protect your people and you avoid citation.



What is LOTO, and why is it so important?

When your employees need to perform maintenance, repairs or adjustments (including line changeovers), you must keep them safe from hazardous machine motion. One way to do this and ensure their safety is to isolate and dissipate any hazardous energy sources.

Operators cannot be left to rely on their best guesses as to how to prevent machines from unexpectedly starting. You want your instructions to be clear, complete and easily accessible to all employees.

How Omron can help

We incorporate regulatory requirements, industry best practices and pictures of your specific equipment to create visual lock out/tag out procedures that are compliant, functional and easy to use by your employees.

With our strategic partnership with the Brady Corporation, we're moving beyond traditional risk management methodologies to address the full range of machine safety needs.



Arc flash assessment services

When doing work on an energized panel, your employees need critical information to keep themselves and others safe from an arc flash. Regulatory requirements mandate that arc flash risk assessments must be refreshed every five years.



What is an arc flash?

An arc flash can be thought of as an explosion of electricity. The flash over of electric current from one conductor to another can result in a blast and extreme temperatures that can be fatal for anyone nearby.

Although high voltages are most likely to cause an arc flash, low voltages don't necessarily mean the situation is safe. For this reason, it's essential for manufacturers to get periodic risk assessments and implement thorough training to eliminate hazards.

Necessary measures to implement

Employees need to know the risks of an arc flash. Critical pieces of information provided by an arc flash assessment should include the appropriate distance to maintain and the correct personal protective equipment (PPE) to wear.

Equally important, this information needs to be on a clear, pre-printed label at the panel. Employees should not need to hunt for critical safety information before they work on a live electrical panel.

OMRON AUTOMATION AMERICAS HEADQUARTERS • Chicago, IL USA • 847.843.7900 • 800.556.6766 • automation.omron.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • automation.omron.com

OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

Ciudad de México • 52.55.5901.4300 • 01.800.386.6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

San Pedro Garza García, N.L. • 81.12.53.7392 • 01.800.386.6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Eugenio Garza Sada, León, Gto • 01.800.386.6766 • mela@omron.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55 11 5171-8920 • automation.omron.com

OMRON ARGENTINA • SALES OFFICE

Buenos Aires, Argentina • +54.11.4521.8630 • +54.11.4523.8483
mela@omron.com

OTHER OMRON LATIN AMERICA SALES

+54.11.4521.8630 • +54.11.4523.8483 • mela@omron.com

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- Programmable Logic Controllers (PLC) • Temperature Controllers • Remote I/O

Robotics

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- Vision Sensors & Systems • Measurement Sensors • Auto Identification Systems

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