Single source for machine & process safeguarding solutions

Product Selection and Overview

- Enhanced worker safety through proper safeguarding
- Expert guidance from components to consulting
- Global product support and availability
Take care of your safety needs with products, services, training and more

Omron’s broad portfolio of safety and service solutions help you maintain productivity while protecting your people. Through training, assessments and technologies tailored to your individual needs, we can help you guarantee a safe and thriving work environment.
Tap into our deep expertise in safety

Our geographically dispersed team of TÜV Rheinland Functional Safety engineers is available to support your application needs and safety questions in the field. Leverage their expertise to analyze your machine design, assess operator hazards and provide guidance on the best product to ensure compliance.

Choose from a comprehensive range of products

Take advantage of our global presence and extensive product catalog to get the machine safeguarding and safety control technologies you need for any application. Our newest NX Safety Controller supports the popular CIP Safety networking protocol to help our customers maximize flexibility and simplify their safety solution.

Boost your confidence and ensure compliance with our safety services

Our global team of safety experts can help you with a variety of machine safety needs, including risk assessments, safety-specific engineering support for OEMs, engineering and installation solutions for safety remediation and more. With over 30 years of experience, our in house team will ensure your machines are compliant and your people are safe.

Grow your team’s confidence with thorough, expert-directed training

We offer a wide variety of safety specific educational opportunities to support your team. We offer product specific training for programming and maintenance of your safety products as well as classes on the general requirements for machine safety. Through our partnership with TUV Rheinland, we also offer a full complement of Functional Safety certification programs for those employees who a deeper understanding of the safety standards.
Enable Switches
Provides the additional protection needed during set-up, programming and servicing of robotic and automatic equipment.

- Has distinct clicks for three easily discernible positions

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1 Safety Light Curtains
The F3SG global light curtains offers advanced functionality suitable for a wide range of applications. The economy type offers simple on/off operation for basic applications. The F3SG-RA and RE both have a robust IP67 waterproof housing and the F3SG-RR has a IP67G oil resistant housing for demanding environments.

2 Safety Laser Scanners
Our OS32C is a very compact safety laser scanner. It has 70 zone configurations for complex guarding parameters. Safety coverage up to 4 m at 270 degrees.

3 Safety Interlock Switches
Tamper resistant switches enhance mechanical guarding methods.
- Guardlocking switches
- Hinge pin switches
- Non-contact switches
- Limit switches
- Tongue switches
- Explosion-proof versions

4 Safety Laser Scanners
5 Safety Laser Scanners
6 Safety Laser Scanners
7 Safety Laser Scanners
8 Safety Laser Scanners

Industry First! EtherNet/IP capable of status and measurement data reporting.

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Omron safety product offering
Safety solutions from components to consulting for enhanced worker safety
**7 Safety Programmable Controllers**

The NX-S series of safety controllers offers both Safety over EtherCAT, CIP Safety over Ethernet/IP communication protocols. These controllers can be configured to suit a variety of applications.

The G9SP stand-alone programmable safety controller for mid-sized applications supports direct connection to safety mats and non-contact switches.

The G9SA series of safety relay units offers a basic approach for various simple safety applications. The G9SA offers a full line-up of AC/DC24, AC100-AC240 instantaneous, time-delay and two-hand control monitoring relays.

**7 Safety Monitoring Relays**

**6 Perimeter Guarding**

PA4600 models are available with single and multiple-beam models with an operating range to 70 meters. They're perfect when installing fences is not practical.

**5 Safety Edges & Bumpers**

Safety edges are used on edges of guards and gates at possible crushing or shearing points. Safety bumpers combine a safety edge with foam to provide a larger crush zone.

The new UMA polyurethane Safety Mats provide safety in dirty environments possibly subject to hose down cleaning (IP65).

**4 Emergency Stop Devices**

- Enclosed and panel-mounted models available with key-operated reset.
- Combination rope and push button actuated emergency stop switches.
- Heavy duty housing offering rope spans to 200 meters