Evolution MOTION SOLUTIONS

Leuze

Safety at Leuze

Safety Concept and Design

Once you have completed a Risk Assessment in accordance with ANSI B11 or ISO12100, what are your next steps to achieving your goal of having the safest machine possible?

Safety Concept is the logical next step in the Machinery Safety Lifecycle and Leuze is well-equipped to help you get there.

Safety Concept

The required risk reduction measures are defined during the Risk Assessment. Based on these requirements, a Safety Concept and the necessary safety functions are developed to address the specific hazards of each machine.

At Leuze, our goal is to equip our customers with accurate, standards-based information so they can make informed decisions that align with their operational needs while ensuring compliance with all applicable safety standards.

This means providing options. Through the Leuze Safety Concept, we deliver:

- A conceptual design outlining what your machinery safety system should look like
- An initial Bill of Materials (BOM)
- A proposal for a full turnkey safety solution

This approach enables our customers to make the most informed decision on how to achieve the highest level of safety for their machinery—while balancing compliance, performance, and practicality.

Risk Assessment

Used to identify hazards on industrial machines and reduce those hazards through suitable risk-reduction measures. It is the essential prerequisite for safe machine operation. In compliance with all domestic and international standards, Leuze provides one of the most comprehensive Risk Assessment services available worldwide.

Safety Concept and Design

The required measures for risk reduction are defined during the risk analysis. Based on these requirements, the safety concept and safety functions are developed. With our deep industry expertise and many years of practical safety experience, we create effective design proposals and support you throughout the planning process. To get help with your design, scan the QR code.

Implementation

Once the safety concept is defined, our team supports the practical installation, configuration, and integration of the required safety devices and control functions. We ensure that all safety measures are implemented correctly, efficiently, and in alignment with the approved design and applicable standards.

Verification and Validation

To avoid errors during implementation, the safety function design must be verified against the correct specifications. Performance of the safety functions is then validated through functional testing and error simulation. We support you in planning and conducting these activities, as well as preparing all required documentation.

Start-Up Support

Commissioning tasks can be extensive. Our experienced service technicians assist based on the application and devices used, allowing commissioning to be completed quickly and reliably. We also help minimize downtime during device replacement or changes in device type.

Stop Time Measurement

To calculate the required minimum distance between protective devices and dangerous movement, the stop time of the machine must be known. By **measuring the stop time**, we can properly place protective devices and, with regular inspections, any wear in components can be detected.

Training

Achieving machine safety goals and providing a safe workplace requires a well-trained staff. Leuze offers customizable training covering industry standards, best practices, risk assessment methodology, and product-specific safety device instruction. We can also tailor training programs to your organization's internal safety standards.

The Sensor People

Leuze electronic, Inc. | 2150 Northmont Parkway, Suite N
Duluth, GA 30096 | P: 470-508-3600 | leuze.com

Evolution MOTION SOLUTIONS

800-569-9801 | info@**evolution**motion.com | **evolution**motion.com