



**Risk  
Assessment**



**Training**



**Stop  
Time Measurement**



**Safety Concept  
& Design**



**Verification  
& Validation**



**Start-Up  
Support**

## Leuze Safety Solutions

### USE OUR EXPERIENCE AND KNOW-HOW

- Extensive selection of in-house safety products
- In-house Solutions Engineering Center
- Development and design according to the V-model in accordance with EN ISO 13849-1, as well as OSHA Compliance with ANSI, IEC, RIA, and other international standards
- Global network of certified experts for the creation of safety concepts and the validation of the solutions on-site

## Safety Services



### Risk Assessment

Used to identify hazards on industrial machines and to minimize those hazards through suitable measures. It is, thus, an essential prerequisite for the safe operation of machines. In compliance with all Domestic and International Standards, Leuze can offer our customers the most comprehensive Risk Assessment Services available, anywhere in the world.



### Safety Concept and Design

The measures necessary for risk reduction are known from the risk analysis. The safety concept and safety functions are developed on the basis of these requirements. With our extensive industry knowledge and many years of safety-related experience, we create practically oriented concept proposals for you and support you during their implementation.



### Verification and Validation

To avoid errors during the implementation of safety functions, the correct and complete design of the safety functions is to be verified according to the specifications. The performance of the safety function is then to be validated through function tests and error simulations. We support you during the planning and execution of the measures as well as with the creation of the required documentation.



### Start-Up Support

Typical tasks during the commissioning of machinery are numerous. Our experienced service technicians support you as needed depending on the application and devices used. Commissioning can thereby be performed quickly and reliably. We also help to minimize downtime in the event of a device exchange or when changing the device type.



### Stop Time Measurement

To calculate the required minimum distance between protective device and dangerous movement, the stopping time of the machine must be known. With the stopping time measurement, we determine this value reliably. This allows proper placement of the protective device. By measuring the stopping time within the scope of regular inspections, any wear, such in brake components, can be detected.



### Training

Achieving overall Machine Safety goals and providing your employees with the safest workplace possible means having a well-trained staff. Leuze can assist by providing customizable training on a variety of topics ranging from industry standards and best practices to Risk Assessment methodologies and specific safety device product training. We can even provide custom training to your specific corporate standards.