



► Risk Assessment



Your need

Many tasks performed by workers who operate or maintain industrial machines present high levels of risk. When building, retrofitting, interlinking or using machines, a systematic technical Risk Assessment provides a structured method to identify hazards and define protective measures that reduce the degree of possible harm.



What we do

We take responsibility to perform a documented physical examination and assessment of a machine, carried out under the guidelines of applicable national and/or international standards.

Safety improvement on existing machines can be prioritised and implemented based on known risk thereby ensuring compliance to standards and regulations throughout the working life of the machine. Early identification of hazards on new machines will save time and money by facilitating the integration of appropriate safety measures from the start.

The result of the Risk Assessment process is used to develop Safety Concepts and generate Safety Designs.

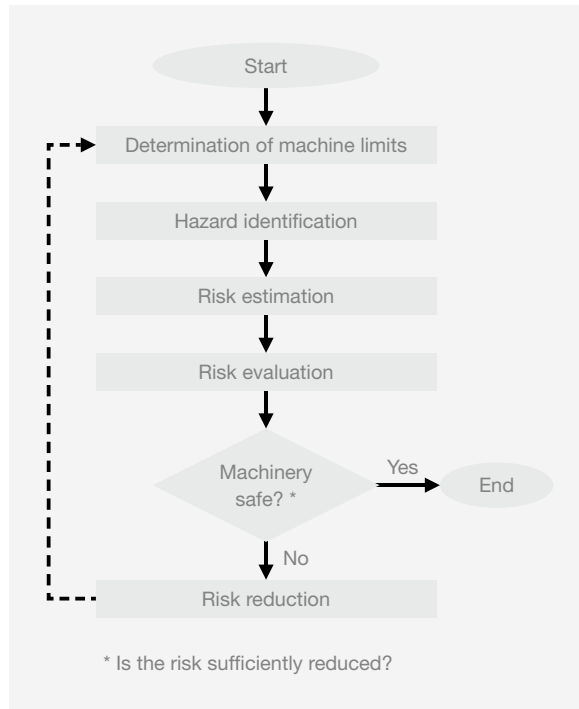
Risk Assessment includes

- Identification of applicable standards, regulations and best industry practises
- Statement of machine limits
- Examination of all hazards throughout the relevant machinery lifecycle phases
- Estimation and evaluation of risk
- Recommended approach for risk reduction

Risk Assessment in the machinery safety lifecycle

In the safety process the importance of Risk Assessment is reflected in the global trend to oblige machine designers and users to follow a structured assessment in order to comply with various national and international standards and applicable legislations.

In Europe the Machinery Directive sets out the obligation “to assess the hazards in order to identify all those which apply to his machine”. In the USA, the American National Standards Institute, Robotics Industry Association and other industry groups promote standards relating to hazard identification and the estimation of risk. Many other national associations and the International Standards Organization (ISO) recommend a risk based approach to effectively addressing machinery safety.



Your benefit

Early identification of hazards and integration of appropriate safety measures will extend the working life of your machinery and save you time and money. We will support you by drawing from our experience of assessing machinery in accordance with applicable legislation and standards.

Pilz GmbH & Co. KG, Ostfildern operates an independent inspection body in accordance with ISO 17020 for the plant and machinery sector, accredited by the German Accreditation Body (DAkkS).

Related services

- ▶ Plant Assessment
- ▶ Safety Concept
- ▶ Safety Design
- ▶ System Implementation
- ▶ Safety Validation
- ▶ CE Marking
- ▶ International Compliance Services

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