

Description

At i9s we can study and implement the best safety systems needed to cover possible hazards based on a risk assessment and also, based on current standards.

Among others, the main safety systems are: Safety PLC, safety ESPE, safety detections, safety brakes, safety robot position and/or speed limits, safety vision systems, etc.

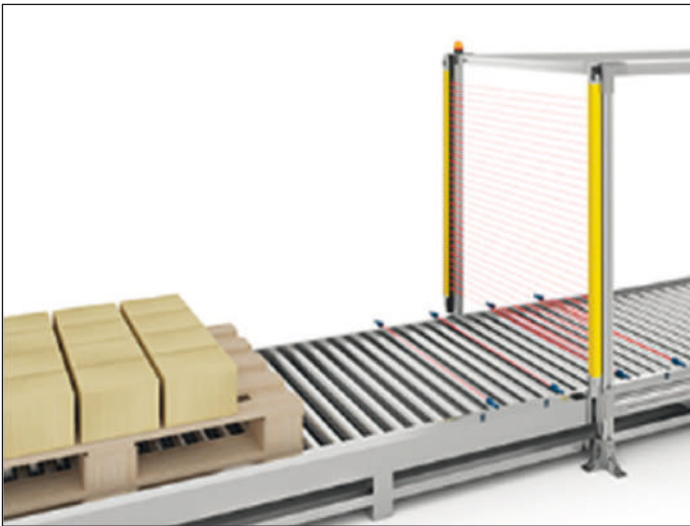
Specifications

The installations are based on the following standards:

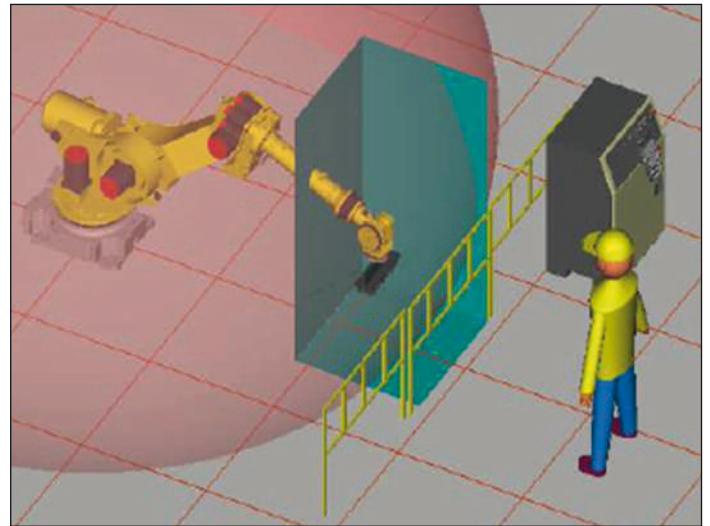
- **EN ISO 13849-1** *Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design.*
- **IEC/EN 62061** *Safety of machinery: Functional safety of electrical, electronic and programmable electronic control systems.*
- **Standards regarding distances, ESPE positioning, etc.**

Examples

Examples are shown below:



Photoelectric Barrier with Muting System



FANUC Dual Check Safety

Scope of the service

Installation of the safety systems comprises:

- Risk assessment of the area to be protected, calculation of the PL or SIL, electrical/pneumatic engineering, PLC and equipment programming, installation and commissioning.

Documentation

The following is delivered with each installation:

- Electrical and safety engineering in PDF format.

(In Spanish. Other languages on demand.)



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