

Justifying Safety after Machine Modifications



Description

Most **machines undergo modifications throughout their lifetime** in order to change the types or models they produce, to improve their productivity, reliability, profitability, obsolescence, etc. **i9s** assesses and justifies modifications to determine whether the **changes are substantial or not** and therefore **whether or not the CE Marking has to be repeated** as indicated by the current Machinery Directive.

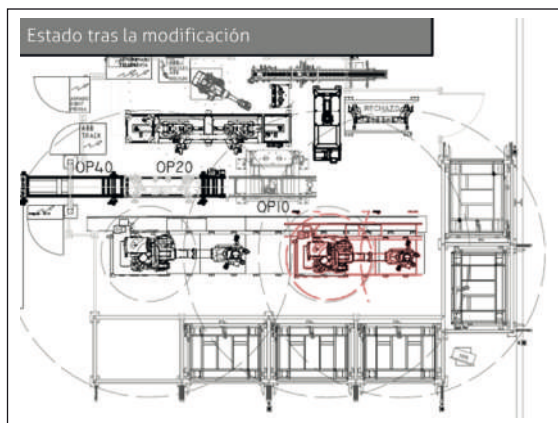
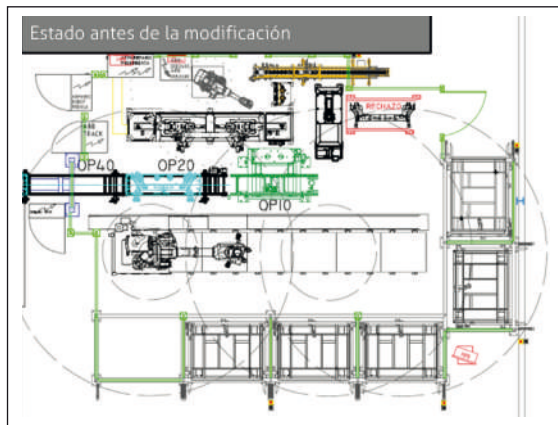
Specifications

The following Directives, standards and specifications help to determine whether a change is substantial or not:

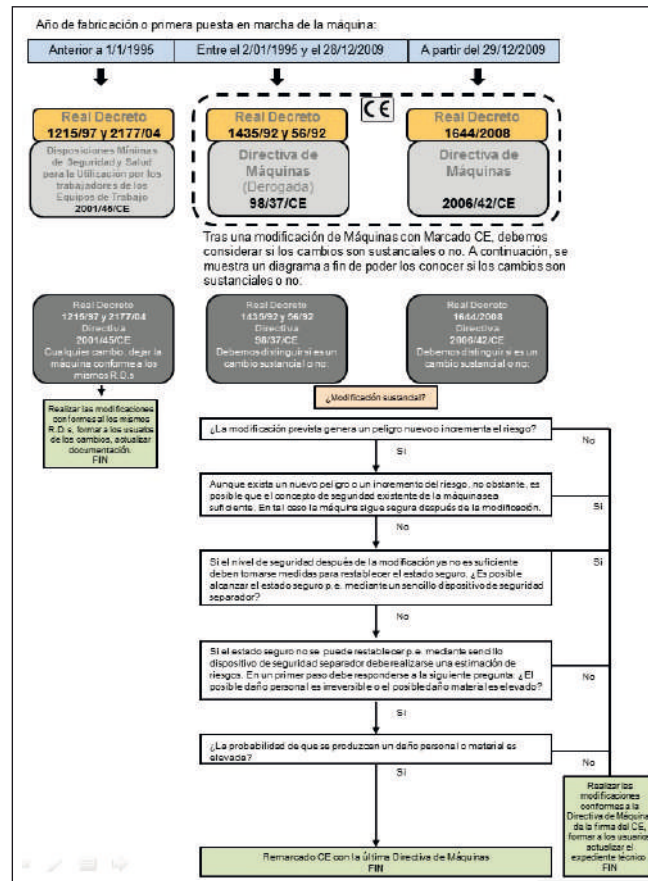
- **2006/42/EC Machinery Directive.**
- **EN ISO 12100 Safety of machinery. General principles for design. Risk assessment and risk reduction.**
- **BMA Abkürzung für Bundesministerium für Arbeit und Soziales. (German Ministry of Labour and Social Affairs).**

Examples

Examples of a non-substantial change are shown below:



A new handling robot is added at an existing station



Determination of whether or not the change is substantial according to the BMA

Documentation

The documentation can be delivered:

- In PDF digital format.
- In Spanish. Other languages on demand.



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