

6. CE marking

The CE marking is a reference for the authorities in the EU and in the EEA that the product meets the requirements of a European directive. If a Declaration of Conformity has been issued, the distributor is entitled to affix the CE marking to the machine (in accordance with Annex III in Machinery Directive 2006/42/EC).

Sample CE marking:

Müller AG
Wiesenstrasse 67
CH-1254 Niederstetten
Circular saw KSM 350
Serial no.: 00456
Manufactured: 2020 

7. Placing the machine on the market

A distributor's duty is fulfilled when he establishes at the commissioning stage that the safety concept compiled during the planning phase is also proven in practice on the finished machine.



Mechanical engineering product safety – we can help

We can answer your questions on the following topics:

- CE conformity
- European directives and standards
- Safety of machinery and control systems

We can provide you with:

- Type examinations
- Assessment of machinery protective measures
- Seminars on product safety

Benefit from our years of experience, our up-to-date knowledge and visit our website: www.suva.ch/certification

Suva

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Orders for standards

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Electrosuisse

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Order no.

CE12-1.e – 09.22



CE Conformity of Machines – Step-by-Step

Information on the implementation of the Machinery Directive

Anyone wishing to place a machine on the market must be able to substantiate that it complies with the regulations set forth in Machinery Directive 2006/42/EC as well as with other regulations that may apply. In the course of development, manufacturers are thus frequently faced with issues connected with the Directives, standards or rules of technology to be applied.

This brochure summarises the seven steps that must be taken when constructing a machine:

1. Inspection of the relevant regulations
2. Construction according to essential health and safety requirements
3. Technical file
4. Conformity assessment
5. Declaration of conformity
6. CE marking
7. Placing the machine on the market

For detailed information on the individual steps, please consult our publication "CE conformity procedure for machines": www.suva.ch/ce08-18.e

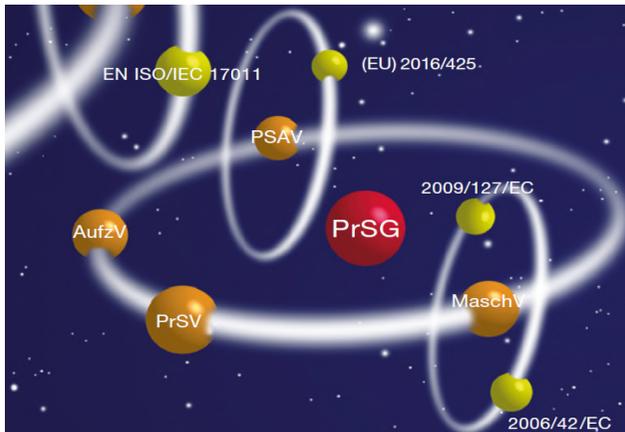
1. Inspection of the relevant regulations

The Swiss Federal Law on Product Safety (PrSG) applies to the advertising and distribution of technical products.

The Swiss Federal Law on Light and Heavy Current Equipment (EleG) applies to the safety of electrical equipment.

Please consult our information sheet "Swiss legislation under the European firmament" for an overview of the applicable Directives: www.suva.ch/ce00-2.e

Further possible regulations are shown in the "List of EC Directives with CE marking according to the new approach": www.suva.ch/ce96-7.e



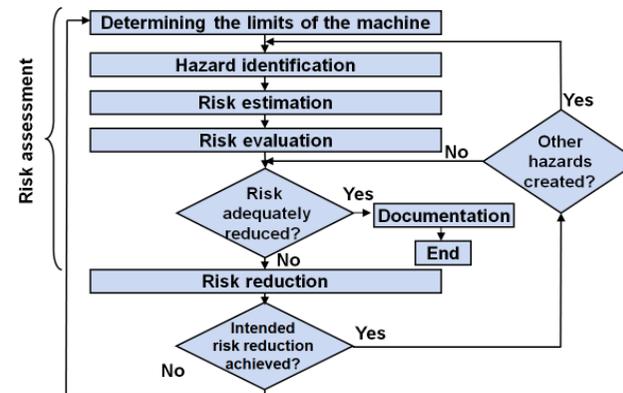
Extract from the information sheet "Swiss legislation under the European firmament"

2. Construction according to essential health and safety requirements

Products can only be placed on the market if they comply with the essential health and safety requirements. The following aspects must be fulfilled:

- Comply with the regulations of Annex I of Machinery Directive 2006/42/EC
- Assess and reduce the risks (in accordance with EN ISO 12100 and Suva's method for machinery, order no. 66037)
- Implement full state of the art with the help of harmonised standards
- Marking the machine
- Compile operating instructions

Process for risk assessment and reduction (acc. to EN ISO 12100):



3. Technical file

The technical file substantiates that the product complies with the essential health and safety requirements. Its contents must be in line with the specifications set forth in Annex VII of Machinery Directive 2006/42/EC.

4. Conformity assessment

The conformity assessment determines whether all the relevant regulations have been complied with. The assessment is carried out in accordance with Article 12 and annexes VIII-X of Machinery Directive 2006/42/EC:

Activities to be implemented for the conformity assessment	Machine not in Annex IV of Directive 2006/42/EC	Machine in Annex IV of Directive 2006/42/EC and constructed in full accordance with standards (1 of the 3 columns must be fulfilled)			Machine in Annex IV of Directive 2006/42/EC and not constructed in full accordance with standards (1 of the 2 columns must be fulfilled)	
Technical documentation	X	X	X	X	X	X
Internal production control	X	X	X		X	
Type examination			X		X	
Full quality assurance				X		X

5. Declaration of Conformity

The Declaration of Conformity is the conformation by the distributor that the product complies with the relevant regulations. Its content is in accordance with Annex II of Machinery Directive 2006/42/EC. Example:

EC Declaration of Conformity
(Original EC Declaration of Conformity)

We, **Safework AG**
27 Sample Road
CH-9999 Anywhere

hereby declare that the product type **Packaging machine - wrapping machine V 3000** serial number **123,456**

satisfies all the essential requirements of the following Directives: **2006/42/EC (Machinery Directive) 2014/30/EU (EMC Directive) and their amendments**

Person authorised to compile the technical file in accordance with Annex VII A of Directive 2006/42/EC: **Safework AG Jack Patton 27 Sample Road CH-9999 Anywhere**

Harmonised standards applied: **EN ISO 12100:2010, EN ISO 13849-1:2015, EN ISO 13849-2:2012, EN 60204-1:2006, EN 415-5:2006+A1:2009**

Other technical standards and specifications applied: **None**

Lucerne, 25.02.2019
Thomas Tech
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