

Assessment of compliance with Essential Health and Safety Requirements of Machinery Directive





Machinery Checklist Guidance Notes

1. Introduction

- 1.1. These notes accompany the various machinery checklists available on our website. The notes refer to:
 - Technical File contents checklist;
 - Basic EHSRs checklist for machinery in Section 1 of Annex 1 of the Machinery Directive;
 - Supplementary EHSRs checklist for machinery in Sections 2-6 of Annex I of the Machinery Directive.
- 1.2. The checklists apply to equipment that falls into the scope of the Machinery Directive 2006/42/EC.
- 1.3. Most machinery can be CE marked by self-certification; i.e. the equipment does not need to be independently certified or assessed by an external body. You do not have to register with anyone in order to CE mark your product. However, certain types of machinery, mentioned in Annex IV of the Machinery Directive, do require extra certification – please see our website or contact us for more details. The CE marking procedure for machinery that does not fall under Annex IV is shown in section 2 below.
- 1.4. The Machinery Directive has two broad sets of requirements for all equipment with powered moving parts. The first, the essential protection requirements, ensure machinery is properly designed to avoid hazards of entrapment, entanglement, etc. The second, the administrative requirements, ensure that manufacturers provide documentary evidence that the machinery complies with the Directive. The EHSRs checklist allows you to perform a self assessment of the essential protection requirements, and the Technical File contents checklist helps you to compile the required evidence.

2. The CE marking procedure

- 2.1. The essential steps in the process of CE marking your product are as follows:
 - Identify the applicable CE marking directive(s) that your product falls under, and identify any relevant standards relating to your product;

Checklist

Section number	Requirement	P	F	N	Q	Comment
1.3.8.2	Moving parts involved in the process					
	Guards or protective devices designed to protect persons against the hazards generated by moving parts involved in the process must be:					
	- either fixed guards as referred to in section 1.4.2.1, or					
	- interlocking movable guards as referred to in section 1.4.2.2, or					
	- protective devices as referred to in section 1.4.3, or					
	- a combination of the above.					
	However, when certain moving parts directly involved in the process cannot be made completely inaccessible during operation owing to operations requiring operator intervention, such parts must be fitted with:					
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and					
	- adjustable guards as referred to in section 1.4.2.3 restricting access to those sections of the moving parts where access is necessary.					
1.3.9.	Risks of uncontrolled movements					
	When a part of the machinery has been stopped, any drift away from the stopping position, for whatever reason other than action on the control devices, must be prevented or must be such that it does not present a hazard.					
1.4.	Required Characteristics of Guards and Protective Devices					
1.4.1.	General requirements					
	Guards and protective devices must:					
	- be of robust construction,					
	- be securely held in place,					
	- not give rise to any additional hazard,					
	- not be easy to by-pass or render non-operational,					
	- be located at an adequate distance from the danger zone,					
	- cause minimum obstruction to the view of the production process, and					
	- enable essential work to be carried out on the installation and/or replacement of tools and for maintenance purposes by restricting access exclusively to the area where the work has to be done, if possible without the guard having to be removed or the protective device having to be disabled.					
	In addition, guards must, where possible, protect against the ejection or falling of materials or objects and against emissions generated by the machinery.					