



Technical data and methods: Machinery 01

Machinery/related product name:	Machinery 01
Product:	M. - Machinery
Type/model:	Type/model
Batch/serial number:	Batch/serial number
Revision:	00 - 08.11.2025
Year of construction:	2025
Regulation (EU):	Regulation (EU) 2023/1230 (EN)
Manufacturer:	Manufacturer
Intended purpose:	Intended purpose
Description:	Description

Certification Procedure

The machinery does not complies Annex I
- Internal production control (module A) Annex VI.

CE Marking Process

Risk assessment

Tool | Classic

The risk assessment is carried out on the EHSR of Annex III of the Regulation (EU) 2023/1230.

EN ISO 12100

Safety of machinery - General principles for design - Risk assessment and risk reduction

ISO/TR 14121-2

Safety of machinery - Risk assessment - Part 2: Pratical guidance and examples of methods

The hybrid tool is described in section 6.5 of ISO/TR 14121-2. The hybrid tool combines two of the methods described in the ISO/TR 14121-2. They are usually risk charts (qualitative tool) combined with matrices or scoring systems (quantitative method). The risk factors to be taken into consideration are the same as the tree method (gravity, frequency, probability, and avoidability) and each of them contains different levels to which correspond to different numerical weights. The method is applied as follows:

1. to establish the numerical weights for the severity, the frequency, the probability and the avoidability of the damage (see below the tables with the relative numerical weights);
2. add the three frequency, probability, and avoidance weights to determine the probability class "CI" (Class) ($CI = Fr + Pr + Av$);
3. insert the Gravity and Class dimensions into a weighting matrix;
4. calculate the risk by finding the intersection point of the row (CI) with the column (Se) of the matrix.

Consequences / Severity (Se)	Class CI (Fr+Pr+Av)					Frequency (Fr)	Probability (Pr)	Avoidance (Av)
	4	5-7	8-10	11-13	14-15			
Death, losing an eye or arm	4					<= 1h	5 Very high	5
Permanent, losing fingers	3					> 1h to <= 24h	5 Likely	4
Reversible, medical attention	2		?			> 24 to <= 2w	4 Possible	3 Impossible 5
Reversible, first aid	1					> 2w to <= 1y	3 Rarely	2 Possible 3
						> 1y	2 Negligible	1 Likely 1

