

1 - ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

1.1 - General remarks

EHSR applicable

1.1.9 - Protection against corruption

The machinery or related product shall be designed and constructed so that the connection to it of another device, via any feature of the connected device itself or via any remote device that communicates with the machinery or related product does not lead to a hazardous situation.

A hardware component transmitting signal or data, relevant for connection or access to software that is critical for the compliance of the machinery or related product with the relevant essential health and safety requirements shall be designed so that it is adequately protected against accidental or intentional corruption.

The machinery or related product shall collect evidence of a legitimate or illegitimate intervention in that hardware component, when relevant for connection or access to software that is critical for the compliance of the machinery or related product.

Software and data that are critical for the compliance of the machinery or related product with the relevant essential health and safety requirements shall be identified as such and shall be adequately protected against accidental or intentional corruption.

The machinery or related product shall identify the software installed on it that is necessary for it to operate safely, and shall be able to provide that information at all times in an easily accessible form.

The machinery or related product shall collect evidence of a legitimate or illegitimate intervention in the software or a modification of the software installed on the machinery or related product or its configuration.

Operating conditions

Operating conditions

Hazardous situations | Hazardous events | Hazards

1.1.3 - crushing

1.1.8 - impact

Hazard zone

Hazard zone

Pre-risk assessment

(Single operator)

ISO/TR 14121-2:2012 p. 6.5 Hybrid Tool

Se(2) | Fr(3) + Pr(4) + Av(5) = Cl(12): Safety measures required

Consequences / Severity (Se)	Class Cl (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
Reversible, first aid	1					> 2w to <= 1y	3	Rarely	2
						> 1y	2	Negligible	1

Protective measures | Safeguarding | Complementary protective measures

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Instructions

Instructions

Safety signs and labels



5.1

General warning
sign



4.1

General prohibition
sign



3.10

Wear protective
clothing



3.8

Wear safety
footwear

Follow-up risk assessment

(Single operator)

ISO/TR 14121-2:2012 p. 6.5 Hybrid Tool

Se(2) | Fr(3) + Pr(1) + Av(1) = Cl(5): OK

Consequences / Severity (Se)	Class Cl (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
Reversible, first aid	1					> 2w to <= 1y	3	Rarely	2
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Residual risk

Card date: 01.09.2024 - R.A.: RQA-001

Comply

Project:

Machinery:

Report Reg. (EU) 2023/1230 EN

Machinery 01

Year: 2024

Certifico S.r.l.

Mod.: Type/model

Serial: Batch/serial number

Rev.: 00

1.1.9 - Protection against corruption (RQA-001)



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Residual risk

Notes

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Reduction: 12/2 5/2

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