

DIN EN 15061:2023-04 (E)

Safety of machinery - Safety requirements for strip processing line machinery and equipment

Contents

	Page
European forward.....	3
Introduction	4
1 Scope.....	5
2 Normative references.....	6
3 Terms and definitions	9
4 List of significant hazards	14
4.1 General.....	14
4.2 Interfaces to the linked/integrated equipment.....	15
5 Safety requirements and/or protective/risk-reducing measures.....	15
5.1 General.....	15
5.2 Requirements for design, planning and risk assessment.....	16
5.3 List of significant hazards, hazardous situations, safety requirements and/or protective/risk reduction measures for terminal equipment	34
5.4 List of significant hazards, hazardous situations, safety requirements and/or protective/risk reduction measures for processing equipment	55
6 Verification/validation of the safety requirements/functions and/or protective/risk reduction measures	81
6.1 General.....	81
6.2 Required verification D.....	82
6.3 Required verification V, M and T	82
7 Information for use	83
7.1 General.....	83
7.2 Safety signs and warning devices.....	83
7.3 Minimum marking	83
7.4 Accompanying documents	84
7.5 Training of personnel.....	87
7.6 Remote access	87
8 Supplementary information regarding repair work.....	87
Annex A (normative) Requirements for shut-down, emergency stop and other stop functions.....	89
Annex B (normative) Noise test code.....	94
Annex C (normative) Protection of persons in case of using asphyxiant gases used in firefighting systems.....	98
Annex D (informative) Exemplary solutions.....	102
Annex E (informative) Example for the risk analysis due to interfaces	106
Annex F (informative) Example for modes of operation in relation to segregated areas.....	107
Bibliography.....	108