

DIN EN 15467:2015-03 (E)

Food processing machinery - Fish heading and filleting machines - Safety and hygiene requirements

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	8
3.1	General	8
4	List of significant hazards	13
4.1	General	13
4.2	Tray in-feed machines - Specific mechanical hazards	13
4.3	Belt in-feed machines - specific mechanical hazards	14
4.4	Saddle filleting machines - specific mechanical hazards	14
4.5	Heading machine - specific mechanical hazards	15
4.6	Tail clamp machines - specific mechanical hazards	16
4.7	Electric hazards	16
4.8	Hazard generated by noise	16
4.9	Hazards from non-compliance with ergonomic principles	16
4.10	Hazards from non-compliance with hygienic principles	17
4.11	Hazards from loss of stability	17
4.12	Fall hazards	17
4.13	Failure of the control system	17
4.14	Failure of the power supply	17
4.15	Hydraulic and pneumatic hazards	17
4.16	Hazards during interventions	17
4.17	List of significant hazards	18
5	Safety requirements and / or protective measures	19
5.1	General	19
5.2	General requirements	19
5.3	Specific mechanical requirements for tray in-feed machines	22
5.4	Specific mechanical requirements for belt in-feed machines	22
5.5	Specific mechanical requirements for saddle type machines	23
5.6	Specific mechanical requirements for heading machines	24
5.7	Specific mechanical requirements for tail clamp machines	25
5.8	Electric hazards	26
5.9	Noise reduction	26
5.10	Compliance with ergonomic principles	26
5.11	Compliance with hygienic principles	27
5.12	Fall hazards	27
6	Verification of safety requirements and/or measures	28
7	Information for use	28
7.1	General	28
7.2	Signal and warning devices	28
7.3	Instruction handbook	29
7.4	Marking	30

Annex A (normative) Noise test code for fish filleting machines (grade 2)	31
A.1 Emission sound pressure level determination	31
A.2 Installation and mounting conditions	31
A.3 Operating conditions	31
A.4 Measurement	31
A.5 Information to be recorded	31
A.6 Information to be reported	32
A.7 Declaration and verification of the noise emission values	32
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	33
Bibliography	34