

ISO 24142:2026-09 (E)

Safe design aspects for machinery in feed processing mills

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Safety requirements and/or protective/risk reduction measures	3
4.1 General	3
4.2 Mechanical and electrical systems	3
4.2.1 Mechanical	3
4.2.2 Electrical	4
4.3 Rejected materials	4
4.4 High pressure fluids and steam and extreme temperature	4
4.5 Reduction of fire and explosion risks	4
4.5.1 General	4
4.5.2 Explosion and fire prevention	5
4.5.3 Static electricity	5
4.6 Reduction of slip, trip, and fall hazards	5
4.7 Noise reduction	6
4.8 Confined spaces	6
5 Verification of safety requirements and/or protective/risk reduction measures	6
5.1 Mechanical and electrical systems	6
5.2 High pressure fluids and steam and extreme temperature	6
5.2.1 High pressure fluids and steam	6
5.2.2 Extreme temperature	6
5.3 Fire and explosion	6
5.3.1 Static electricity	7
5.4 User safety and stability	7
5.4.1 Noise reduction	7
5.4.2 Ergonomic design	7
5.4.3 Confined spaces	7
6 Information for use	7
6.1 General	7
6.2 Marking	7
6.3 Instruction handbook	7
Annex A (informative) Suggestions to enhance safe machinery design	8
Annex B (informative) Hazards associated with machinery used in feed mills	15
Annex C (informative) Regional Standards	22
Bibliography	23