DIN EN 13379:2013-05 (E)

Pasta processing plants - Spreader, stripping and cutting machine, stick return conveyor, stick magazine - Safety and hygiene requirements (includes Amendment A1:2013)

Contents

Page

Foreword 4

Introduction 5

1 Scope 5

2 Normative references 5

3 !Terms and definitions" 7

4 List of hazards 11
4.1 !General" 11
4.2 Mechanical hazards 11
4.3 Electrical hazards 13
4.4 Thermal hazard 13
4.5 Noise hazard 13
4.6 Hazards due to slip, trip and fall 14
4.7 Hazard due to neglecting of hygienic principles 14
4.8 Harmful substance 14

5 !Safety requirements and/or protective measures" 14
5.1 !General" 14
5.2 Mechanical hazards 14
5.3 Electrical hazards 17
5.4 Thermal hazard 19
5.5 Noise reduction 19
5.6 Protective measures against slip, trip and fall 19
5.7 Protective measures against hazards due to neglecting of hygienic principles 19
5.8 Harmful substance 22

6 !Verification of safety requirements and/or measures" 22
6.1 !General" 22
6.2 Spreaders 23
6.3 Stripping and cutting machine 24
6.4 Stick return conveyor and the stick magazine 24

7 Information for use !deleted text" 25
7.1 Technical information 25
7.2 Indicators 26
7.3 Marking 26

Annex A (normative) Principles of design to ensure the cleanability of machinery 27

A.1 Terms and definitions 27
A.2 Material of construction 27
A.3 Design 29

Annex B (normative) Noise test code - Grade 2 or 3 42

B.1 Terms and definitions 42
B.2 Installation and mounting conditions 42
B.3 Operating conditions 42
B.4 Measurements 42
B.5 Emission sound pressure level determination 43
B.6 Sound power level determination 43
B.7 Measurement uncertainties 43
B.8 Information to be recorded 43
B.9 Information to be reported 43
B.10 Declaration and verification of noise emission value 44

Annex ZA (informative) !Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC" 45

Bibliography 46