





DIN EN 13112:2011-03 (E)

Tannery machines - Splitting and bandknife shearing machines - Safety requirements (includes Amendment A1:2009)

Contents		Page
Foreword.....		4
Introduction		5
1 Scope		5
2 Normative references		5
3 Terms and definitions - Terminology.....		8
4 A1 List of significant hazards A1		10
4.1 Mechanical hazards		11
4.1.1 Splitting machine		11
4.1.2 Bandknife shearing machine		12
4.2 Electrical hazard		13
4.3 Slip trip and fall hazard		13
4.4 High pressure fluid ejection		13
4.5 Dust and fire		13
4.6 Noise		13
4.7 Bandknife changing.....		13
5 Safety requirements and/or measures		14
5.1 General.....		14
5.2 Common requirements concerning splitting machines		14
5.2.1 Mechanical equipment		14
5.2.2 Electrical equipment.....		15
5.2.3 Slip, trip and fall hazard		15
5.2.4 High pressure fluid ejection		15
5.2.5 Dust and fire prevention		16
5.2.6 Noise		16
5.2.7 Control system.....		16
5.2.8 Emergency stop equipment.....		17
5.2.9 Bandknife changing.....		17
5.3 Requirements concerning hazards in the working zone		18
5.3.1 Splitting machine		18
5.3.2 Bandknife shearing machine		19
5.4 Requirements concerning hazards in the accessible zone		20
5.4.1 Splitting and bandknife shearing machine		20
5.4.2 Bandknife shearing machine		20
6 Verification of the safety requirements and/or measures		20
7 Information for use		26
7.1 A1 General		26
7.2 Signal and warning devices A1		26
7.3 Instruction Handbook.....		26
7.3.1 Machine.....		26
7.3.2 Installation of the machine		27
7.3.3 Transportation and Storage of the machine and machine parts		27
7.3.4 Use of the machine		27
7.3.5 Maintenance		28
7.4 Marking		28
Annex A (normative) Dust and fire prevention		35
A.1 Splitting machine		35

A.2	Bandknife shearing machine	35
Annex ZA	(informative)  Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC 	36
Annex ZB	(informative)  Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC 	37
Bibliography	38