

DIN EN 1034-22:2010-06 (E)

Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 22: Wood grinders (includes Amendment A1:2009)

Contents	Page
Foreword	3
Introduction	4
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 List of significant hazards	7
5 Safety requirements and/or measures	8
5.1 General	8
5.2 Feeding devices	8
5.3 Power transmission elements	9
5.4 Gate valves	9
5.5 Inspection holes, manholes	9
5.6 Risk of burning	9
5.7 Safety measures against bursting	9
5.8 Sharpening device	9
5.9 Workplaces, access stairs, catwalks, passageways	10
5.10 Start-up warning device	10
5.11 Emergency stop device	10
5.12 Isolation and energy dissipation, prevention of unexpected start-up	10
5.13 Equipment and measures for make-ready and repair	10
5.14 Safety measures for cleaning and trouble shooting	10
5.15 Control systems and actuators	11
5.16 Noise	11
5.17 Integrated lighting	11
5.18 Ergonomic principles	11
5.19 Electrical equipment	11
5.20 Hydraulic equipment	12
5.21 High-pressure cleaning devices	12
6 Verification of safety requirements and/or measures	12
7 Information of use	12
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC	14
Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	15
Bibliography	16