

DIN EN 746-1:2010-02 (E)

Industrial thermoprocessing equipment - Part 1: Common safety requirements for industrial thermoprocessing equipment (include s Amendment A1:2009)

Contents	Page
Foreword.....	3
Introduction	5
1 Scope	5
2 Normative references	7
2.1 Basic Standards.....	7
2.2 Group Safety Standards.....	7
2.3 Product Safety Standards.....	9
3 Definitions	10
4 List of Hazards	11
5 Safety requirements, measures and verification means	21
5.1 General.....	21
5.2 Mechanical.....	23
5.3 Electrical	26
5.4 Thermal	28
5.5 Noise	30
5.6 Vibration	31
5.7 Radiation.....	31
5.8 Materials and substances	32
5.9 Ergonomics	33
5.10 Hazard combination.....	33
5.11 Malfunction.....	34
5.12 Missing and incorrectly fitted safety devices	35
6 Information for use	35
6.1 General.....	35
6.2 Marking	35
6.3 Technical Data, Installation and Commissioning.....	36
6.4 Instruction Handbook (Operation)	37
6.5 Instruction Handbook (Maintenance)	39
6.6 Instruction handbook (De-commissioning)	41
Annex A (informative) List of Industrial Thermoprocessing Equipment covered by \square_{A1} EN 746-1 \square_{A1}	42
Annex B (informative) Typical test report (as described in 6.3.10).....	44
Annex C (informative) PERMIT to work certificate (as described in 6.5.8).....	45
Annex D (informative) Used Definitions.....	47
D.1 English, German, French	47
D.2 German, English, French	48
D.3 French, German, English	49
Annex ZA (informative) \square_{A1} Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC \square_{A1}	50
Annex ZB (informative) \square_{A1} Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC \square_{A1}	51