



Safety of machinery

Part 3407: Safety of packaging machines—Group and secondary packaging machines

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- Australian Industry Group
- Australian Manufacturing Workers' Union
- Australian Packaging and Processing Machinery Association
- Engineers Australia
- Human Factors and Ergonomics Society of Australia
- Institute of Instrumentation, Control and Automation, Australia
- NSCA Foundation
- NSW Department of Industry, Skills and Regional Infrastructure Development
- Safety Institute of Australia
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Part 3407: Safety of packaging machines—Group and secondary packaging machines

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee SF-041, Safety of Machinery.

The objective of this Standard is to specify the safety requirements for machine design, construction, installation, commissioning, operation, adjustment, maintenance and cleaning of group and secondary packaging machines. This applies to group and secondary packaging machines and the collating systems associated with them.

This Standard is identical with, and has been reproduced from, EN 415-7:2006+A1:2008, *Safety of packaging machines, Part 7: Group and secondary packaging machines*.

As this document has been reproduced from an International Standard, the following applies:

- (a) In the source text 'this European Standard' should read 'this Australian Standard'.
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Contents

	Page
Foreword	6
Introduction	7
1 Scope	8
2 Normative references	8
3 Terms and definitions	12
3.1 Definition of terms	12
3.2 Description of group and secondary packaging machines	14
4 Hazards on group and secondary packaging machines	28
4.1 General	28
4.2 General group and secondary packaging machine hazards	29
4.2.1 General	29
4.2.2 Mechanical hazards	29
4.2.3 Electrical hazards	30
4.2.4 Thermal hazards	30
4.2.5 Noise	30
4.2.6 Hazards from products and materials	30
4.2.7 Hazards due to neglecting ergonomic principles	31
4.2.8 Hazards caused by failures	31
4.2.9 Hazards due to neglecting hygienic design principles	32
4.2.10 Common mechanisms on group and secondary packaging machines	32
4.3 Hazards associated with a tray erecting machine	33
4.3.1 General	33
4.3.2 Tray blank magazine	34
4.3.3 Tray blank extracting mechanism	34
4.3.4 Tray blank transport mechanism	34
4.3.5 Forming assembly	35
4.3.6 Discharge mechanism	35
4.4 Hazards associated with case erecting machines	35
4.4.1 General	35
4.4.2 Hazards associated with a semi-automatic case erector	35
4.4.3 Hazards associated with a fully automatic case erector	35
4.5 Hazards associated with a place packing machine	37
4.5.1 General	37
4.5.2 In-feed conveyor	38
4.5.3 Product collating mechanisms	38
4.5.4 Transport mechanism	38
4.5.5 Product loading mechanism	39
4.6 Hazards associated with a horizontal case loading machine	39
4.6.1 General	39
4.6.2 Product in-feed conveyor	39
4.6.3 Product turning devices	40
4.6.4 Product collating mechanism	40
4.6.5 Case loading mechanism	40
4.6.6 Case funnel	40
4.6.7 Case support arms	40
4.6.8 Discharge conveyor	40
4.7 Hazards associated with case taping machines	40
4.7.1 General	40
4.7.2 Hazards associated with a manually adjusted case taping machine without flap tucking	40
4.7.3 Hazards associated with a self adjusting case taping machine without flap tucking	42
4.7.4 Hazards associated with a manually adjusted case taping machine with flap tucking	43

4.7.5	Hazards associated with a fully automatic case taping machine.....	45
4.8	Hazards associated with a wraparound case packing machine.....	46
4.8.1	General	46
4.8.2	Case blank magazine	47
4.8.3	Product in-feed conveyor	48
4.8.4	Transport mechanism	48
4.8.5	Case erecting mechanism	48
4.8.6	Product loading mechanism	48
4.8.7	Flap tucking mechanisms.....	48
4.8.8	Case sealing devices.....	48
4.8.9	Case compression.....	48
4.8.10	Discharge conveyor	48
5	Safety requirements and measures for group and secondary packaging machines	49
5.1	General	49
5.2	General requirements for group and secondary packaging machines	49
5.2.1	General	49
5.2.2	Requirements to eliminate mechanical hazards	49
5.2.3	Electrical requirements.....	56
5.2.4	Thermal hazards	58
5.2.5	Noise reduction.....	58
5.2.6	Measures to control hazards generated by products and materials	59
5.2.7	Ergonomic design principles	60
5.2.8	Requirements to prevent hazards caused by failures	61
5.2.9	Hygienic design requirements	63
5.2.10	Requirements for mechanisms used on most group and secondary packaging machines	64
5.3	Safety requirements for a tray erecting machine.....	66
5.3.1	General	66
5.3.2	Tray blank magazine	66
5.3.3	Tray blank extracting mechanism.....	67
5.3.4	Tray blank transport mechanism.....	67
5.3.5	Forming assembly.....	67
5.3.6	Discharge mechanism	67
5.4	Safety requirements for a case erecting machine	67
5.4.1	Safety requirements for a semi-automatic case erector	67
5.4.2	Safety requirements for a fully automatic case erector	68
5.5	Safety requirements for a place packing machine.....	69
5.5.1	General	69
5.5.2	In-feed conveyor	69
5.5.3	Product collating mechanisms	69
5.5.4	Transport mechanism	69
5.5.5	Product loading mechanism	69
5.6	Safety requirements for a horizontal case loading machine	71
5.6.1	General	71
5.6.2	In-feed conveyor – See 5.3.6.2.	71
5.6.3	Product turning devices	71
5.6.4	Product stacking mechanism.....	71
5.6.5	Case loading mechanism	71
5.6.6	Case funnel	71
5.6.7	Case support arms	72
5.6.8	Discharge conveyor – See 5.3.6.....	72
5.7	Safety requirements for case taping machines.....	72
5.7.1	Safety requirements for a manually adjusted case taping machine without flap tucking.....	72
5.7.2	Safety requirements for a self adjusting case taping machine without flap tucking	73
5.7.3	Safety requirements for a manually adjusted case taping machine with flap tucking	73
5.7.4	Safety requirements for a fully automatic case taping machine	74
5.7.5	Noise reduction.....	74
5.8	Safety requirements for a wraparound case packing machine	74
5.8.1	General	74
5.8.2	Case blank magazine	74

5.8.3	In-feed conveyor	74
5.8.4	Transport mechanism	74
5.8.5	Case erecting mechanism	75
5.8.6	Product loading mechanism	75
5.8.7	Flap tucking.....	75
5.8.8	Case closing devices – See 5.4.2.6.....	75
5.8.9	Case compression.....	75
5.8.10	Discharge conveyor	75
6	Verification of safety requirements and measures	75
6.1	General	75
6.2	Visual inspections with the machine stopped.....	75
6.2.1	Mechanical parts.....	75
6.2.2	Pneumatic systems	75
6.2.3	Hydraulic systems	75
6.2.4	Electrical systems	75
6.2.5	Guards	76
6.2.6	Design requirements	76
6.3	Measurements with the machine stopped	76
6.3.1	Guards	76
6.3.2	Electrical testing	76
6.4	Visual inspections with the machine running	76
6.4.1	Guards	76
6.4.2	Interlocking devices	76
6.4.3	Dissipation of stored energy	76
6.5	Measurements with the machine running.....	76
6.5.1	Measurement and declaration of noise emission	76
6.5.2	Temperature	76
6.6	Verification procedures	77
7	Information for use	79
7.1	Markings	79
7.2	Signals and warning signs	79
7.3	Instruction handbook.....	80
7.3.1	General	80
7.3.2	Requirements specific to group and secondary packaging machines	80
Annex A	(normative) Noise test code for group and secondary packaging machines - grade of accuracy 2 and 3.....	82
A.1	Scope	82
A.2	Definitions	82
A.3	Determination of emission sound pressure level at the work station	82
A.4	Determination of the sound power level	83
A.5	Installation and mounting conditions.....	83
A.6	Operating conditions.....	83
A.7	Measurement uncertainties	85
A.8	Information to be recorded.....	85
A.9	Information to be reported.....	85
A.10	Declaration and verification of noise emission values.....	86
Annex B	(normative) Methods of safeguarding small and medium sized apertures.....	88
B.1	General	88
B.2	Interlocked guard.....	88
B.3	Interlocked guard with ESPE trip device.....	90
B.4	ESPE trip device	92
B.5	Automatic guard	94
Annex C	(normative) Methods of safeguarding large apertures.....	96
C.1	General	96
C.2	ESPE in a vertical plane.....	96
C.3	Dynamic cell positioning of ESPE	98
C.4	Positioning of ESPE	99

Annex D (normative) ESPE Muting	101
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC	103
Annex ZB (informative) \square_{A1} Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC \square_{A1}	104
Bibliography	105

Foreword

This document (EN 415-7:2006+A1:2008) has been prepared by Technical Committee CEN/TC 146, "Packaging machines - Safety", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2009, and conflicting national standards shall be withdrawn at the latest by January 2009.

This document includes Amendment 1, approved by CEN on 2008-05-25.

This document supersedes EN 415-7:2006.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 and A1.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of EU Directives.

For the relationship with EC Directives, see informative Annex ZA, which is an integral part of this document.

Other standards produced by the Technical Committee are:

EN 415 Safety of packaging machines;

Part 1: Terminology and classification of packaging machines and associated equipment.

Part 2: Pre-formed rigid container packaging machines.

Part 3: Form, fill and seal machines.

Part 4: Palletisers and depalletisers.

Part 5: Wrapping machines.

Part 6: Pallet wrapping machines.

Part 8: Strapping machines.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

Group and secondary packaging machines are used extensively in Europe, in an increasingly wide range of industries. They contain several significant hazards and have the potential to cause serious injury.

This document is a type C standard as defined in the Introduction of EN ISO 12100-1:2003.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this European Standard.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

1 Scope

This European Standard applies to the following groups of machines:

Group and secondary packaging machines and the collating systems associated with them.

The individual machines are described in 3.2 of this European Standard.

This European Standard deals with safety requirements for machine design, construction, installation, commissioning, operation, adjustment, maintenance and cleaning of group and secondary packaging machines.

The extent to which hazards, hazardous situations and events are covered, are indicated in Clause 4.

Exclusions

This European Standard is not applicable to the following machines:

- machines that were manufactured before the date of publication of this document by CEN;
- strapping machines. These machines are covered by EN 415-8;
- crate loaders and un-loaders for pre-formed rigid containers. These machines are covered by EN 415-2;
- cartoning machines. Cartoning machines are covered by EN 415-3.

This European Standard does not consider the following hazards:

- use of group and secondary packaging machines in potentially explosive atmospheres;
- health, safety or hygiene hazards associated with the products that may be handled by the machines, but does include general advice on this subject;
- hazards that may be associated with electromagnetic emissions from group and secondary packaging machines;
- hazards that may be associated with decommissioning group and secondary packaging machines.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 294:1992, *Safety of machinery — Safety distances to prevent danger zones being reached by the upper limbs*

EN 349:1993, *Safety of machinery — Minimum gaps to avoid crushing of parts of the human body*

EN 415-1:2000, *Packaging machines safety — Part 1: Terminology and classification for packaging machines and associated equipment*