

Irish Standard I.S. EN 1034-8:2012

Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 8: Refining plants

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Sécurité des machines - Prescriptions de sécurité pour la conception et la construction de machines de fabrication et de finition du papier - Partie 8: Ateliers de raffinage

Sicherheit von Maschinen - Sicherheitsanforderungen an Konstruktion und Bau von Maschinen der Papierherstellung und Ausrüstung - Teil 8: Mahlanlagen

This European Standard was approved by CEN on 8 January 2012.

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Foreword

This document (EN 1034-8:2012) has been prepared by Technical Committee CEN/TC 198 "Printing and paper machinery - Safety", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by September 2012, and conflicting national standards shall be withdrawn at the latest by September 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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 Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This European Standard is part 8 of a standard for the technical safety requirements for the design and construction of paper making and finishing machines which consists of the following parts:

- Part 1: Common requirements;
- Part 2: Barking drums;
- Part 3: Winders and slitters, plying machines;
- Part 4: Pulpers and their feeding facilities;
- Part 5: Sheeters:
- Part 6: Calanders:
- Part 7: Chests;
- Part 8: Refining plants;
- Part 13: Machines for de-wiring bales and units;
- Part 14: Reel splitter;
- Part 16: Paper and board making machines;
- Part 17: Tissue making machines;
- Part 21: Coaters;
- Part 22: Wood grinders;
- Part 26: Roll packaging machines;
- Part 27: Roll handling systems.

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Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Introduction

This document is a type C standard as stated in EN 12100:2010. The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document. For machines that have been designed and built according to the provisions of this C standard, the following stipulation applies: Where provisions of this type C standard are different from those which are stated in type A or B standards or from provisions made in EN 1034-1:2000+A1:2010 the provisions of this type C standard take precedence over the provisions of the other standards.

1 Scope

This European Standard applies to low consistency refining plants, i.e. plants working with suspensions of fibres of virgin pulp, mechanical wood pulp or deinking pulp in water with a consistency up to approximately 6 %, used in the paper making process and applies together with EN 1034-1:2000+A1:2010. It deals with all significant hazards, hazardous situations and hazard events relevant to refining plants, when used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

This standard does not apply to beaters.

This document is not applicable to machines which are manufactured before the date of publication of this document by CEN.

2 Normative references

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

EN 349:1992+A1:2008, Safety of machinery — Minimum gaps to avoid crushing of parts of the human body

EN 614-1:2006+A1:2009, Safety of machinery — Ergonomic design principles — Part 1: Terminology and general principles

EN 614-2:2000+A1:2008, Safety of machinery — Ergonomic design principles — Part 2: Interaction between the design of machinery and work tasks

EN 809:1998+A1:2009, Pumps and pump units for liquids — Common safety requirements

EN 894-1:1997+A1:2008, Safety of machinery — Ergonomic requirements for the design of displays and control actuators — Part 1: General principles for human interactions with displays and control actuators

EN 894-2:1997+A1:2008, Safety of machinery — Ergonomic requirements for the design of displays and control actuators — Part 2: Displays

EN 953:1997+A1:2009, Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards

EN 1034-1:2000+A1:2010, Safety of machinery — Safety requirements for the design and construction of paper making and finishing machines — Part 1: Common requirements

EN 1037:1995+A1:2008, Safety of machinery — Prevention of unexpected start-up

EN 1837:1999+A1:2009, Safety of machinery — Integral lighting of machines

EN 13023:2003+A1:2010, Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment — Accuracy grades 2 and 3

EN 60204-1:2006, Safety of machinery — Electrical equipment — Part 1: General requirements (IEC 60204-1:2005, modified)

EN 60204-11:2000, Safety of machinery — Electrical equipment of machines — Part 11: Requirements for HV equipment for voltages above 1 000 V a.c. or 1 500 V d.c. and not exceeding 36 kV (IEC 60204-11:2000)

EN 61000-6-2:2005, Electromagnetic compatibility (EMC) — Part 6-2: Generic standards — Immunity for industrial environments (IEC 61000-6-2:2005)



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