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Irish Standard
I.S. EN 861:2007+A2:2012

Safety of woodworking machines - Surface planing and thicknessing machines

I.S. EN 861:2007+A2:2012

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S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

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English Version

Safety of woodworking machines - Surface planing and thicknessing machines

Sécurité des machines pour le travail du bois - Machines combinées à raboter et à dégauchir

Sicherheit von Holzbearbeitungsmaschinen - Kombinierte Abricht- und Dickenhobelmaschinen

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Foreword

This document (EN 861:2007+A2:2012) has been prepared by Technical Committee CEN/TC 142 "Woodworking 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of an identical text or by endorsement, at the latest by December 2012, and conflicting national standards shall be withdrawn at the latest by December 2012.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 includes Amendment 1, approved by CEN on 2009-07-16, Corrigendum 1, issued by CEN on 2008-10-29 and Amendment 2, issued by CEN on 2012-05-20.

This document supersedes A2 EN 861:2007+A1:2009 A2.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1 and A2 A2.

The modifications of the related CEN Corrigendum have been implemented at the appropriate places in the text and are indicated by the tags AC AC.

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 the Machinery Directive.

A2 For relationship with EU Directive(s), see informative Annexes ZA, which is an integral part of this document. A2



Organisation contributing to the preparation of the European Standard include the European Association of Manufacturer of Woodworking Machines "EUMABOIS".

The European Standards produced by CEN/TC 142 are particular to woodworking machines and complement the relevant A and B standards on the subject of general safety (see introduction of A2 EN ISO 12100:2010 A2 for a description of A, B and C standards).

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, Croatia, 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, Turkey and the United Kingdom.

Introduction

This document has been prepared to be a harmonised standard to provide one means of conforming to the essential safety requirements of the Machinery Directive, and associated EFTA regulations.



This document is a type “C” standard as stated in  EN ISO 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.

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 other standards, for machines that have been designed and built according to the provisions of this type C standard.

The requirements of this document are directed to manufacturers and their authorised representatives of surface planing and thickening machines. They are also useful for designers and importers.

This document also includes provision and examples of information to be provided by the manufacturer to the user.

Common requirements for tooling are given in  EN 847-1:2005+A1:2007 .

1 Scope

This document ^{A1} specifies all significant ^{A1} hazards, hazardous situation and events as listed in Clause 4 relevant to stationary and displaceable surface planing and thickening machines with an integrated feed in thickening mode, (with or without demountable power feed unit in planing mode) and with manual loading and unloading of the work-piece, hereinafter referred to as "machines". The cutterblock is fixed in position and for thickening an integrated feed is provided. The machines are designed to cut solid wood, chipboard, fibreboard and plywood when they are used as intended and under the conditions foreseen by the manufacturer ^{A2} including reasonably foreseeable misuse ^{A2}.

^{A2} Machines which are designed to work wood based materials may also be used for thickening hardened plastic materials with similar physical characteristics as wood. ^{A2}

This document does not deal with any hazards which result from the attachment of an optional mortising unit. These hazards are covered by ^{A2} EN 940:2009+A1:2012 ^{A2}.

This document does not apply to:

- a) machines set up on a bench or a table similar to a bench, which are intended to carry out work in a stationary position, capable of being lifted by one person by hand;

NOTE 1 Transportable motor-operated electric tools are covered by the requirements of ^{A2} EN 61029-1:2009 ^{A2} together with ^{A2} EN 61029-2-3:2011 ^{A2}.

- b) surface planing and thickening machines where the cutterblock is adjustable for depth of cut setting in thickening mode;
- c) machines where the conversion from planing to thickening mode or vice versa is achieved by mounting or demounting parts/units;
- d) machines where surfacing and thickening can be performed at the same time.

This document is not applicable to surface planing and thickening machines which are manufactured before the date of its publication as EN.

NOTE 2 Machines covered by this document are listed under A.5 of Annex IV of the Machinery Directive.

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.

^{A1} *deleted text* ^{A1}

^{A2} EN 847-1:2005+A1:2007 ^{A2}, *Tools for woodworking — Safety requirements — Part 1: Milling tools, circular saw blades*

^{A2} *deleted text* ^{A2}

^{A2} EN 1005-2:2003+A1:2008 ^{A2}, *Safety of machinery — Human physical performance — Part 2: Manual handling of machinery and component parts of machinery*

^{A2} EN 1005-4:2005+A1:2008 ^{A2}, *Safety of machinery — Human physical performance — Part 4: Evaluation of working postures and movements in relation to machinery*

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