



**NSAI**  
Standards

Irish Standard  
I.S. EN 940:2009+A1:2012

# Safety of woodworking machines - Combined woodworking machines

## I.S. EN 940:2009+A1:2012

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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English Version

## Safety of woodworking machines - Combined woodworking machines

Sécurité des machines pour le travail du bois - Machines combinées pour le travail du bois

Sicherheit von Holzbearbeitungsmaschinen - Kombinierte Holzbearbeitungsmaschinen

This European Standard was approved by CEN on 10 July 2009 and includes Amendment 1 approved by CEN on 9 January 2012.

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## Contents

Page

Foreword.....	4
Introduction .....	5
1 Scope .....	6
2 Normative references .....	6
3 Terms and definitions .....	8
3.1 <b>A1</b> General <b>A1</b> .....	8
3.2 <b>A1</b> Definitions <b>A1</b> .....	8
4 List of significant hazards .....	15
5 Safety requirements and/or measures .....	19
5.1 General.....	19
5.2 Controls .....	19
5.2.1 Safety and reliability of control systems.....	19
5.2.2 Position of controls .....	20
5.2.3 Starting .....	20
5.2.4 Normal stopping .....	21
5.2.5 Emergency stop.....	21
5.2.6 Unit selection and operating mode selection .....	22
5.2.7 Speed <b>A1</b> control <b>A1</b> .....	23
5.2.8 Direction of rotation.....	23
5.2.9 Failure of the power supply .....	24
5.2.10 Failure of the control circuits .....	24
5.3 Protection against mechanical hazards .....	24
5.3.1 Stability .....	24
5.3.2 Risk of break-up during operation .....	25
5.3.3 Tool holder and tool design.....	25
5.3.4 Braking system .....	26
5.3.5 Devices to minimise the possibility or the effect of ejection .....	26
5.3.6 Workpiece supports and guides .....	26
5.3.7 Prevention of access to moving parts.....	29
5.3.8 Clamping devices .....	32
5.3.9 Safety appliances.....	33
5.4 Protection against non-mechanical hazards .....	33
5.4.1 Fire .....	33
5.4.2 Noise .....	33
5.4.3 Emissions of chips and dust.....	33
5.4.4 Electricity.....	34
5.4.5 Ergonomics and handling.....	34
5.4.6 Pneumatics.....	35
5.4.7 Hydraulics.....	35
5.4.8 Electromagnetic compatibility.....	35
5.4.9 Laser .....	35
5.4.10 Static electricity .....	35
5.4.11 Errors of fitting.....	36
5.4.12 Supply disconnecting devices (Isolation).....	36
5.4.13 Maintenance .....	36
6 Information for use .....	37
6.1 General.....	37
6.2 Marking .....	37
6.3 Instruction handbook .....	38

<b>Annex A (normative) Stability test for displaceable machines .....</b>	<b>41</b>
<b>Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC.....</b>	<b>43</b>
<b>Bibliography.....</b>	<b>47</b>

## Foreword

This document (EN 940:2009+A1:2012) 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 August 2012, and conflicting national standards shall be withdrawn at the latest by August 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 2012-01-09.

This document supersedes  $\text{A}_1$  EN 940:2009  $\text{A}_1$ .

The start and finish of text introduced or altered by amendment is indicated in the text by tags  $\text{A}_1$   $\text{A}_1$ .

$\text{A}_1$  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.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.  $\text{A}_1$

Organisation contributing to the preparation of this European standard include the European Association of Manufacturers of woodworking machines "EUMABOIS".

The main modifications to EN 940:1997 relate to exclusion of mortising unit driven by a separate motor, to the introduction of  $\text{A}_1$  performance levels (PL)  $\text{A}_1$  and requirements on electronic components for control systems.

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 the introduction of  $\text{A}_1$  EN ISO 12100:2010  $\text{A}_1$  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 United Kingdom.

## Introduction

This document has been prepared to be a harmonised standard to provide one means of conforming with the Essential Safety Requirements of the Machinery Directive and associated EFTA Regulations and is a type C standard as defined in [EN ISO 12100:2010](#).

The machinery concerned and the extent to which hazards, hazardous situations and events 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 C type 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 combined woodworking machines. They are also useful for designers.

This document also includes provisions and example 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 specifies all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable combined woodworking machines with two or more of only the following integrated units:

- surface planing,
- circular sawing (working simultaneously or not with vertical spindle moulding unit),
- vertical spindle moulding,
- boring [mortising] and
- thickness planing

hereinafter referred to as machines, designed to cut solid wood, chipboard, fibreboard, plywood, and also these materials where they are covered with plastic laminates or edging or veneer, when they are used as intended and under the conditions foreseen by the manufacturer <sup>(A1)</sup> including reasonably foreseeable misuse <sup>(A1)</sup>.

NOTE 1 For the definitions of stationary and displaceable machine see <sup>(A1)</sup> 3.2.12 and 3.2.13 <sup>(A1)</sup>.

NOTE 2 The specific requirements on demountable power feed unit will be considered during next revision of this document.

This document does not apply to:

- combined machines which consist only of a surface planing unit and a thickness planing unit;

NOTE 3 Combined machines consisting of only of a surface planing unit and a thickness planing unit are dealt with in <sup>(A1)</sup> EN 861:2007+A2:2012 <sup>(A1)</sup>.

- combined machines with a band saw unit;
- transportable motor-operated electric combined tools, or any adaptation permitting their use in a different mode, i.e. bench mounting;

NOTE 4 Transportable motor-operated electric combined tools are covered by the requirements of <sup>(A1)</sup> EN 61029-1:2009 <sup>(A1)</sup> and <sup>(A1)</sup> EN 61029-2-11:2009 <sup>(A1)</sup>.

- machines with mortising unit driven by a separate motor.

This document is not applicable to combined woodworking machines which are manufactured before the date of its publication as EN.

NOTE 5 <sup>(A1)</sup> Machines covered by this European Standard are listed under 5 of Annex IV of Machinery Directive 2006/42/EC. <sup>(A1)</sup>

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



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