



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 848-2:1998

ICS 79.120.10

**SAFETY OF WOODWORKING MACHINES -
ONE SIDE MOULDING MACHINES WITH
ROTATING TOOL - PART 2: SINGLE
SPINDLE HANDFED/INTEGRATED FED
ROUTING MACHINES**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on:
December 4, 1998*

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 848-2

July 1998

ICS 79.120.10

Descriptors: woodworking machinery, milling machines, routing machines, safety of machines, accident prevention, definitions, hazards, safety measures, protection against mechanical hazards, safety devices, brakes, tests, noise reduction, information, marking

English version

**Safety of woodworking machines - One side moulding machines
with rotating tool - Part 2: Single spindle handfed/integrated fed
routing machines**

Sécurité des machines pour le travail du bois - Machines à
fraisier sur une face, outil rotatif - Partie 2: Défonceuses
monobroche à avance manuelle mécanisée

Sicherheit von Holzbearbeitungsmaschinen -
Fräsmaschinen für einseitige Bearbeitung mit drehendem
Werkzeug - Teil 2: Einspindelige Oberfräsmaschinen mit
Handvorschub/mechanischem Vorschub

This European Standard was approved by CEN on 10 April 1997.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 142 "Woodworking machines - Safety", the secretariat of which is held by BSI.

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 1999 and conflicting national standards shall be withdrawn at the latest by January 1999.

This European Standard 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 standard.

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

Organisations contributing to the preparation of this European Standard include the European Manufacturers Association "EUMABOIS".

Informative annexes to this standard are listed in the Contents list.

The European Standards produced by CEN/TC 142 are particular to woodworking machines and compliment the relevant A and B Standards on the subject of general safety (see introduction of EN 292-1 : 1991 for a description of A, B and C standards).

Common requirements for tooling are given in EN 847-1 : 1997

0 Introduction

This European standard 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 and is a type C standard as defined in EN 292-1 : 1991.

The extent to which hazards are covered is indicated in the scope of this standard.

The requirements of this standard concern designers, manufacturers, suppliers and importers of single spindle handfed/integrated fed routing machines.

Electrically driven machines excluded from the scope of this standard are covered by the requirements of EN 61029-1 : 1996 or EN 50144-1 : 1995.

This standard also includes information to be provided by the manufacturer to the user.

1 Scope

This European Standard specifies the requirements and/or measures to remove the hazards and limit the risk on single spindle handfed/integrated fed routing machines hereinafter referred to as "machines" designed to

cut solid wood, chip board, fibreboard, plywood and also these materials where they are covered with plastic laminate, edgings or veneer.

This European standard covers all the hazards relevant to this machine. These hazards are listed in 4.

This European Standard does not apply to machines set up on a bench or a table similar to a bench which are intended to carry out work in a stationary position and capable of being lifted by hand by one person.

This European Standard does not apply to hand held woodworking machines or any adaptation permitting their use in a different mode, e.g. bench mounting. This standard does not apply to inverted pin routers and to radial arm router (machine where the workpiece is fixed and the tool head is manually moved).

The European Standard does not apply to CNC boring machines and routing machines which are dealt with in prEN 848-3.

This standard is primarily directed to machines which are manufactured after the date of issue of the standard.

2 Normative references

This European Standard incorporates by dated or undated references provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 292-1	1991	Safety of machinery - Basic concepts - General principles for design - Part 1 : Basic, terminology, methodology
EN 292-2	1991	Safety of machinery - Basic concepts - General principles for design - Part 2 : Technical principles and specifications
EN 292-2/A1	1995	
EN 418	1992	Safety of machinery - Emergency stop equipment, functional aspects - Principles for design
EN 847-1	1997	Tools for woodworking - Part 1 : Milling tools - Circular saw blades
pr EN 848-3		Safety of machinery - One side moulding machines with rotating tool - Part 3 : NC boring machines and routing machines
EN 982	1996	Safety of machinery - Safety requirements for fluid power systems and components - Hydraulics
EN 983	1996	Safety of machinery - Safety requirements for fluid power systems and components - Pneumatics
pr EN 1005-3		Safety of machinery - Human physical performance - Part 3 : Recommended force limits for machinery operation
EN 1050	1996	Safety of machinery - Principles for risk assessments

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