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BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000

Fax: +44 (0)20 8996 7400

www.bsigroup.com

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Interested committees:

Title: Draft BS EN 62841-3-8 Ed.1.0 Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery - Safety. Part 3-8: Particular requirements for transportable single spindle vertical moulders.

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- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

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Responsible Committee Secretary: Jasnam Channe (BSI)

Direct tel:

E-mail: jasnam.channe@bsigroup.com

Full document details: 22/30448567 DC

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



116/571/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

IEC 62841-3-8 ED1

DATE OF CIRCULATION:

2022-02-04

CLOSING DATE FOR VOTING:

2022-04-29

SUPERSEDES DOCUMENTS:

116/533/NP, 116/546/RVN

IEC TC 116 : SAFETY OF MOTOR-OPERATED ELECTRIC TOOLS	
SECRETARIAT: United States of America	SECRETARY: Mr Joseph Harding
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: ☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☒ SAFETY	
☒ SUBMITTED FOR CENELEC PARALLEL VOTING Attention IEC-CENELEC parallel voting The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

TITLE:

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-8: Particular requirements for transportable single spindle vertical moulders

PROPOSED STABILITY DATE: 2027

NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –**Part 3-8: Particular requirements for transportable single spindle vertical moulders****FOREWORD**

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IEC 62841-3-8 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools. It is an International Standard.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
116/XX/FDIS	116/XX/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

131 This document is to be used in conjunction with the first edition of IEC 62841-1 (2014).

132 This document supplements or modifies the corresponding clauses in IEC 62841-1, so as to
133 convert it into the IEC Standard: Particular requirements for transportable single spindle
134 vertical moulders.

135 Where a particular subclause of IEC 62841-1 is not mentioned in this document, that
136 subclause applies as far as reasonable. Where this document states “addition”, “modification”
137 or “replacement”, the relevant text in IEC 62841-1 is to be adapted accordingly.

138 The following print types are used:

- 139 – requirements: in roman type;
- 140 – *test specifications: in italic type;*
- 141 – notes: in small roman type.

142 The terms defined in Clause 3 are printed in **bold typeface**.

143 Subclauses, notes, tables and figures which are additional to those in IEC 62841-1 are
144 numbered starting from 101.

145 Subclauses, notes, tables and figures in Annex K and Annex L which are additional to those
146 in the main body of this document are numbered starting from 301.

147 A list of all parts of the IEC 62841 series, under the general title: *Electric motor-operated*
148 *hand-held tools, transportable tools and lawn and garden machinery – Safety*, can be found
149 on the IEC website.

150 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
151 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement,
152 available at www.iec.ch/members_experts/refdocs. The main document types developed by
153 IEC are described in greater detail at www.iec.ch/standardsdev/publications.

154 The committee has decided that the contents of this document will remain unchanged until the
155 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
156 specific document. At this date, the document will be

- 157 • reconfirmed,
- 158 • withdrawn,
- 159 • replaced by a revised edition, or
- 160 • amended.

161 NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing
162 organizations may need a transitional period following publication of a new, amended or revised IEC publication in
163 which to make products in accordance with the new requirements and to equip themselves for conducting new or
164 revised tests.

165 It is the recommendation of the committee that the content of this publication be adopted for implementation
166 nationally not earlier than 36 months from the date of publication.

167

ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –

Part 3-8: Particular requirements for transportable single spindle vertical moulders

1 Scope

IEC 62841-1:2014, Clause 1 is applicable, except as follows:

Addition:

This document applies to transportable **single spindle vertical moulders**, with a maximum **cutter block** diameter of 200 mm, designed to cut wood and analogue materials also covered with plastic laminate or edgings by hand-feed operation.

NOTE 101 In Europe (EN IEC 62841-3-8), the following additional NOTE applies:

NOTE Z101 **Single spindle vertical moulders** other than transportable are covered by EN 848-1:2013.

2 Normative references

IEC 62841-1:2014, Clause 2 is applicable, except as follows:

Addition:

IEC 62841-1:2014, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements*

3 Terms and definitions

IEC 62841-1:2014, Clause 3 is applicable, except as follows:

Addition:

3.101

anti-kickback device

device which either reduces the possibility of **kickback** or arrests the motion during **kickback** of the workpiece, parts of it or part of the tool

3.102

curved work

machining of a curve on a workpiece by having one side in contact with the table (or if held in a jig in contact with the table) and the other in contact with the vertical reference of a steady or ring guide when using a jig

Note 101 to entry: See Figure 101.

3.103

cutter block

rotating assembly consisting of the **tool holder** and the cutting tool

3.104**ejection**

unexpected movement of the workpiece, parts of it or part of the tool from the tool during processing

3.105**hand feed**

manual holding and/or guiding of the workpiece

Note 101 to entry: **Hand feed** includes the use of a hand operated carriage on which the workpiece is placed manually or clamped and the use of a demountable power feed unit.

3.106**kickback**

particular form of ejection describing unexpected movement of the workpiece, parts of it or part of the machine opposite to the direction of feed during processing

3.107**removable spindle**

spindle capable of being changed without removing the bearings

3.108**single spindle vertical moulder**

hand-fed tool with a cutting accessory on a rotating spindle used on a table or similar support which is intended to carry out work in a stationary position, capable of being lifted by hand by one person and having

- a single spindle (fixed or removable) the position of which is fixed during machining;
- a horizontal table; and
- a motor that is integral to the tool.

Note 101 to entry: The tool can have any of the following additional features:

- a) the facility for the spindle to be raised and lowered through the table;
- b) the facility for fitting an additional manually operated sliding table;
- c) the facility to tilt the spindle.

Note 102 to entry: See Figure 102.

3.109**speed range**

speeds within which the tool spindle or tool is designed to operate

3.110**stopped straight work**

machining of only a part of the workpiece length

Note 101 to entry: See Figure 103.

3.111**straight work**

shaping of a workpiece with one face in contact with the table and a second with the fence, and where the work starts at one end of the workpiece and continues through to the other end

Note 101 to entry: See Figure 104.

3.112**tenoning**

machining of projections and slots on the end of a workpiece to facilitate the joining of workpieces, including profiled tenons

Note 101 to entry: See Figure 105.

- 251 **3.113**
252 **tool holder**
253 single piece spindle or **removable spindle** to which the cutting tool is fixed

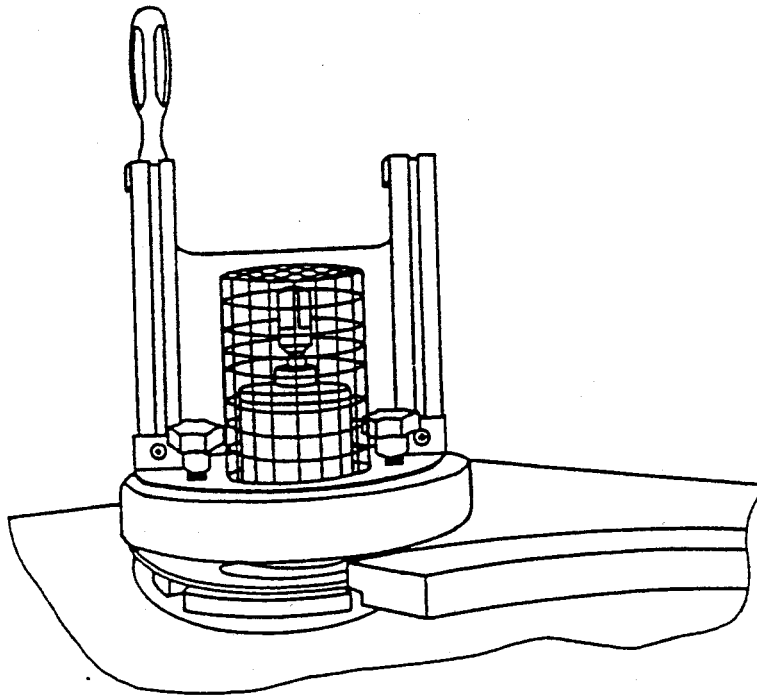
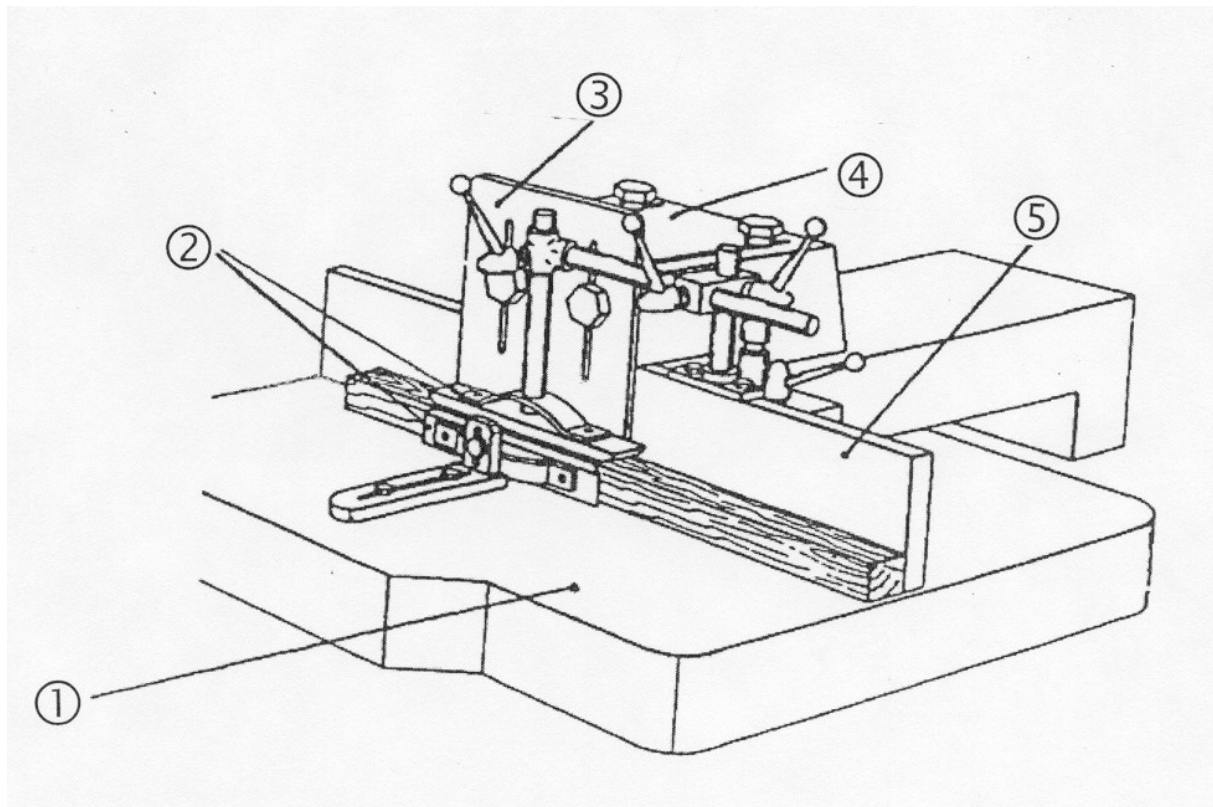


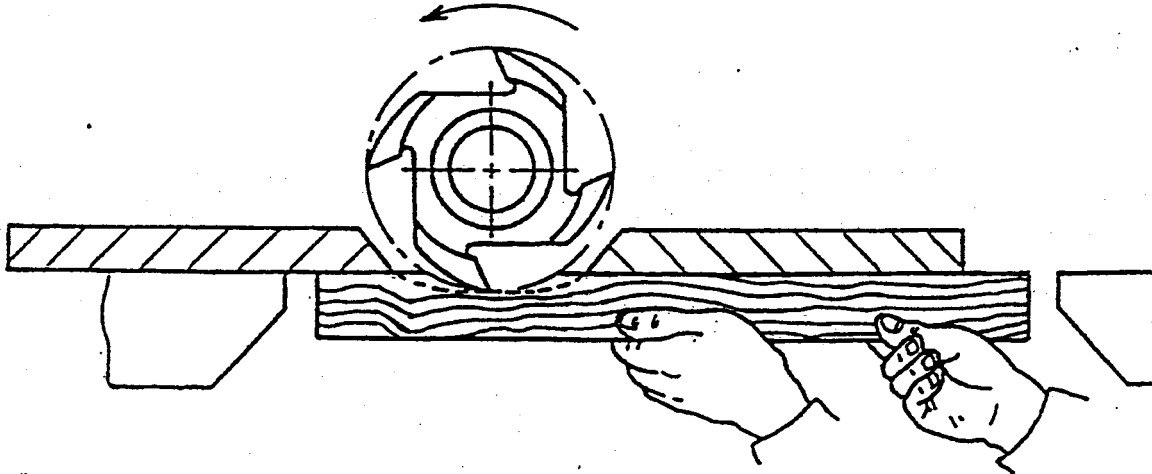
Figure 101 – Example of curved work



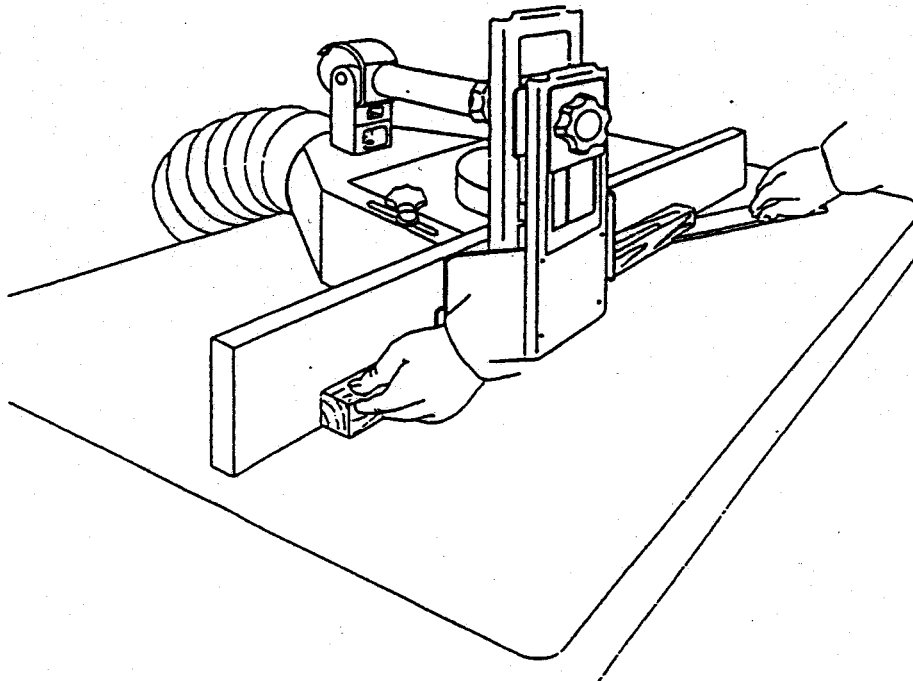
Key

- 259 1 table
260 2 pressure pads
261 3 guard
262 4 guard
263 5 parallel fence

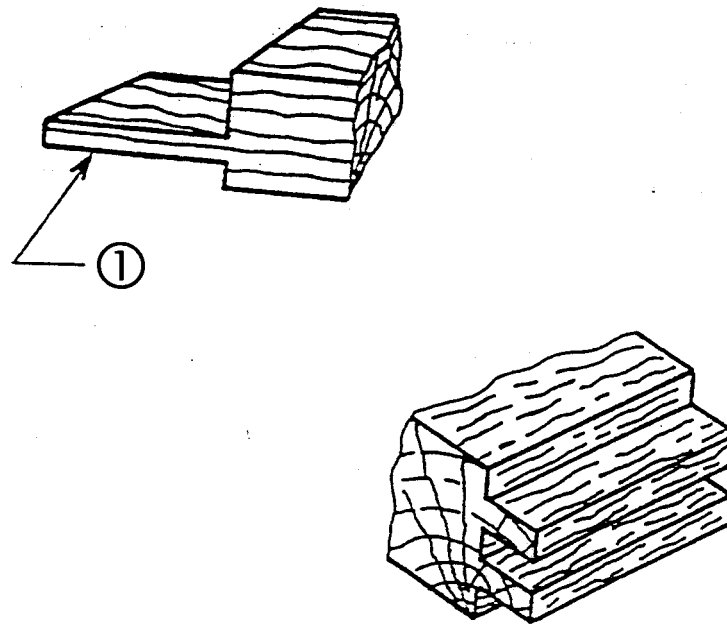
264 **Figure 102 – Example of single spindle vertical moulder**



266 **Figure 103 – Example of stopped straight work**



268 **Figure 104 – Example of straight work**

**Key**

1 tenon

Figure 105 – Examples of tenoning**4 General requirements**

IEC 62841-1:2014, Clause 4 is applicable.

5 General conditions for the tests

IEC 62841-1:2014, Clause 5 is applicable, except as follows:

5.17 Addition:*The mass of the tool includes the **cutter block**, the **tool holder** and the fences.***6 Radiation, toxicity and similar hazards**

IEC 62841-1:2014, Clause 6 is applicable.

7 Classification

IEC 62841-1:2014, Clause 7 is applicable.

8 Marking and instructions

IEC 62841-1:2014, Clause 8 is applicable, except as follows:

8.1 Addition:

Tools shall also be marked with:

- the maximum and minimum no-load speed of the **cutter block**; and

288 – the maximum diameter of the **cutter block** to be used.

289 **8.3 Addition:**

290 Tools shall also be marked with:

- 291 – an indication of the direction of rotation of the **cutter block**; and
292 – a diagram similar to Figure 106, giving the optimum speed corresponding to the tool type
293 and diameter.

294 The direction of rotation of the spindle shall be indicated on a fixed part of the tool in the
295 vicinity of the spindle axis by an arrow raised or sunk which is visible when changing the
296 **cutter block**.

297 In addition, for tools designed to operate at more than one spindle speed, tools shall also be
298 marked with:

- 299 – for tools where the speed change is achieved by changing the position of the drive belts
300 on the drive pulley, the selected speed shall be indicated on the same side of the tool as
301 the start control by a diagram showing the relevant speed selected for each combination
302 of pulleys; or
303 – for tools where the speed change is achieved by an electrical control circuit, the selected
304 speed shall be indicated on the same side of tool as the switching device (e.g. a variable
305 speed control dial provided with numbers).

306