

BS EN 15572:2015



BSI Standards Publication

Machines and plants for mining and tooling of natural stone — Safety — Requirements for edge finishing machines

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National foreword

This British Standard is the UK implementation of EN 15572:2015.

The UK participation in its preparation was entrusted to Technical Committee MCE/3/15, Machines for natural stone.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Machines and plants for mining and tooling of natural stone - Safety - Requirements for edge finishing machines

Machines et installations d'extraction et d'usinage des
pierres naturelles - Sécurité - Prescriptions relatives aux
machines de finition des bords

Maschinen und Anlagen zur Gewinnung und Bearbeitung
von Naturstein - Sicherheit - Anforderungen für
Kantenschleifmaschinen

This European Standard was approved by CEN on 3 July 2015.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 15572:2015) has been prepared by Technical Committee CEN/TC 151 “Construction equipment and building material machines - 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of an identical text or by endorsement, at the latest by February 2016 and conflicting national standards shall be withdrawn at the latest by February 2016.

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 2006/42/EC, see informative Annex ZA, which is an integral part of this document.

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Introduction

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

This document 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 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 the 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 authorized representatives of edge finishing machines. It is also useful for designers.

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

1 Scope

This European Standard applies to table edge finishing machines (see 3.1) and belt edge finishing machines (see 3.2) which are used to grind, polish, cut and shape the edge or surface of slabs, strips or tiles of natural stone and engineered stone (e.g. agglomerated stone) as defined by EN 14618:2009.

This European Standard deals with all significant hazards, hazardous situations and events relevant to edge finishing machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4).

This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.

This European Standard deals all significant hazards that may occur within the expected lifetime of the machinery including the phases of transport, assembly, dismantling, disabling and scrapping.

This European Standard also applies to machines fitted with the following facilities/devices:

- automatic tool change;
- tilting and/or rotating head axis;
- rotating workpiece support(s);
- axes operating according a NC work programme;
- mechanical, pneumatic, hydraulic or vacuum workpiece clamping;

and the following accessory units:

- spindle with grinding and polishing tool;
- spindle with bush-hammering tool;
- spindle with diamond wheel;
- spindle with calibrating tool;
- spindle with dripstone tool;
- spindle with cutting tool;
- spindle with shaping tool.

This European Standard does not deal with:

- hand-held grinding machines;
- machines intended for operation in a potentially explosive atmosphere;
- operation in severe environmental conditions (e.g. extreme temperatures, corrosive environment);
- machines intended for outdoor operation.

This European Standard is not applicable to machinery which is manufactured before the date of publication of this document by CEN.