INTERNATIONAL STANDARD

ISO 18217

First edition
2015-08-15

Safety of woodworking machines — Edge-banding machines fed by chain(s)

Sécurité des machines à bois — Machines à plaquer sur chant à alimentation par chaîne(s)

Reference number
ISO 18217:2015(E)

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Foreword

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

The committee responsible for this document is ISO/TC 39, *Machine tools*, Subcommittee SC 4, *Woodworking machines*.

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Introduction

This International Standard has been prepared to be a Harmonized Standard to provide one means of conforming to the Essential Safety Requirements of the Machinery Directive of the European Union and associated EFTA regulations.

This document is a type-C standard as defined in 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 International Standard.

When requirements of this type-C standard are different from those which are stated in type-A or type–B standards, the requirements of this type-C standard take precedence over the requirements of the other International Standards for machines that have been designed and built according to the requirements of this type-C standard.

The requirements of this International Standard concern designers, manufacturers, suppliers, and importers of machines described in the Scope.

This International Standard also includes a list of informative items to be provided by the manufacturer to the user.

Common requirements for tooling are given in EN 847-1:2013 and EN 847-2:2013.

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Safety of woodworking machines — Edge-banding machines fed by chain(s)

1 Scope

This International Standard deals with all significant hazards, hazardous situations, and events as listed in Clause 4, which are relevant to edge banding machines fed by chains with manual loading and unloading and maximum work-piece height capacity of 100 mm, when they are used as intended and under the conditions foreseen by the manufacturer, including reasonably foreseeable misuse.

The work-piece is fed through the processing units by an integrated feed. Feeding chains also include "feeding belts".

For the purpose of this International Standard, an edge banding machine fed by chains is hereinafter referred to as "machine".

The machine is designed to process in one pass, one end (single end machine), or both ends (double end machine) panels of wood materials with similar physical characteristics as wood, as well as gypsum plaster boards.

Edges to be applied by the machine can be made of paper, melamine, plastic or composite materials, aluminium or light alloy, veneer or solid wood.

This International Standard also applies to machines fitted with the following:

— auxiliary devices essential for edge banding machines fed by chains (see 3.1);

— sanding belt units;

— fixed or movable workpiece support;

— automatic tool changing;

— automatic panel returner.

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

This International Standard does not deal with any hazards relating to the following:

a) systems for loading and unloading of the work-piece to a single machine other than automatic panel returner;

b) single machine being used in combination with any other machine (as part of a line);

c) wireless mobile control sets;

d) additional equipment for grooving and for cutting by circular saw blade, installed out of the integral enclosure and/or whose tools protrude out of the integral enclosure;

e) plasma unit, power laser unit, and hot-air-jet unit.

This International Standards applies to machines that are manufactured after the date of issue of this International Standard.

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