



**NSAI**  
Standards

Irish Standard  
I.S. EN 1673:2020

# Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

**I.S. EN 1673:2020**

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

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## National Foreword

I.S. EN 1673:2020 is the adopted Irish version of the European Document EN 1673:2020, Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

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**EUROPEAN STANDARD**

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**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

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English Version

## **Food processing machinery - Rotary rack ovens - Safety and hygiene requirements**

Machines pour les produits alimentaires - Fours à  
chariot rotatif - Prescriptions relative à la sécurité et  
l'hygiène

Nahrungsmittelmaschinen - Stikken-Backöfen -  
Sicherheits- und Hygieneanforderungen

This European Standard was approved by CEN on 2 November 2020.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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## EN 1673:2020 (E)

### European foreword

This document (EN 1673:2020) has been prepared by Technical Committee CEN/TC 153 “Machinery intended for use with foodstuffs and feed”, 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of an identical text or by endorsement, at the latest by June 2021, and conflicting national standards shall be withdrawn at the latest by June 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1673:2000+A1:2009.

The significant changes with respect to the previous version EN 1673:2000+A1:2009 of edition EN 1673:2000 are listed below:

- upgraded list of significant hazards and danger zones removed in a new informative Annex C;
- safety requirements were revised with regard to the new list of significant hazards (steam emission, hot surfaces, etc.);
- new clause regarding environmental aspects;
- Annex ZA was revised to be in line with European Commission recommendation.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2006/42/EC.

For relationship with EU Directive 2006/42/EC, see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



## **Introduction**

This document is a type-C standard as stated in EN ISO 12100:2010.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document. The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the Scope of this document.

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 standards for machines that have been designed and built according to the requirements of this type-C-standard.

## EN 1673:2020 (E)

### 1 Scope

This document specifies safety and hygiene requirements for the design and manufacture of rotary rack ovens which can be used with one or more mobile racks.

These ovens are intended for professional use in the food industry and workshops (bakeries, pastry-making, etc.) for the batch baking of foodstuffs containing flour, water and other ingredients and/or additives. This document applies to ovens used only for food products except for those containing volatile flammable ingredients (volatile organic compound, e.g. alcohol, oil, ...). This document applies to ovens where the steam is generated by an evaporation process of drinking water on hot surfaces.

The following machines are excluded:

- experimental and testing machines under development by the manufacturer;
- machines for non-professional uses.

NOTE Due to the fact that rotary rack ovens are intended for professional uses, EN 60335-1 and EN 60335-2-42 are not applicable.

This document covers the technical safety requirements for the transport, installation, operation, cleaning and maintenance of these machines (see EN ISO 12100:2010, Clause 6).

This document deals with all significant hazards, hazardous situations and events relevant to rotary rack ovens when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see informative Annex C).

The following hazards are not covered by this document:

- hazards from the use of gaseous fuel by gas appliances;
- hazards arising from electromagnetic compatibility issues;
- hazards from the use of trays made of or coated by silicone;
- hazards due to dismantling, disabling and scrapping.

This document does not deal with noise emitted by the machine.

This document is not applicable to rotary rack ovens which were manufactured before the date of its publication as an EN.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 203-2-2:2006, *Gas heated catering equipment - Part 2-2: Specific requirements - Ovens*

EN 614-1:2006+A1:2009, *Safety of machinery - Ergonomic design principles - Part 1: Terminology and general principles*

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