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SB

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SB 222-1985

Replacing SB/T 222-2007

**General specification for food machinery. Basic technical
requirements
(English Translation)**

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Foreword

This standard is one of series of industry standard "Food machinery - General requirements." This series of industry standards, including.

- SB/T 222 Food machinery - General requirements basic technical requirements;
- SB/T 223 Food machinery - General requirements machining technology requirements;
- SB/T 224 Food machinery - General requirements assembly technology requirements;
- SB/T 225 Food machinery - General requirements castings technical requirements;
- SB/T 226 Food machinery - General requirements welding, riveting pieces of technical requirements;
- SB/T 227 Food Machinery General technical conditions electrical installations technical requirements;
- SB/T 228 Food Machinery General technical conditions painted surfaces;
- SB/T 229 Food Machinery General technical conditions products packaging technology requirements;
- SB/T 230 Food Machinery General technical conditions products inspection rules;
- SB/T 231 Food machinery - General requirements for product labeling, transport and storage.

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard is the SB/T 222-2007 "Food machinery - General requirements for basic technical conditions" amendments to this standard and SB/T 222-2007 main differences are as follows.

- Increased by 3.6 and 4.1.6;
- Remove the 4.4 and 4.4.1 on 4.1, 4.4.2 in Chapter 3;
- 4.2 requirements related to food safety in 4.1.

This standard by the National Standardization Technical Committee proposed commercial machinery.

This standard by the National Standardization Technical Committee of commercial machinery.

This standard was drafted. Beijing Institute of Mechanical Services, SOUTHSTAR Guangzhou Machinery Co., Ltd., Guangdong food machinery have Henglian Limited.

1 Scope

This standard specifies the general requirements for food machinery, safety requirements and test methods.

This standard applies to food processing machinery and special equipment.

The standard of food hygiene General influential food processing machinery and equipment also apply.

This standard does not apply to no effect on the general food hygiene and food processing machinery and equipment.

Note 1: The scope of this standard example of food processing machinery and equipment for special dumping molding machine, biscuit oven, rice cars.

Note 2: The scope of this standard example of general food processing machinery and equipment for the food transportation equipment, food drying equipment, food packaging machines.

Note 3: The sample is not within the standard range of general food processing machinery and equipment for the food processing using a vacuum pump, binding machine, printing code machine.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 150 (all parts) pressure vessel GB 3768 sound pressure Determination of sound power levels of noise sources using an enveloping surface reflectance measuring surface Simple Method GB 4853 food grade white oil GB/T 8196 mechanical safety devices fixed and movable guards General requirements for the design and manufacture GB 12265.3 Safety of machinery to avoid crushing of parts of the human body minimum spacing GB 15179 Food Machinery Grease GB 16798-1997 Food Machinery Safety and Health GB 17888.2 Safety of machinery stationary facilities - Part 2. Working platforms and gangways GB 17888.3 Safety of machinery stationary facilities - Part 3. Stairs, steps and guardrails GB 17888.4 Safety of machinery stationary facilities - Part 4. Fixed ladders SB/T 227 Food Machinery General technical requirements for electrical installations technology

3 General requirements

3.1

The product should be manufactured in accordance with procedures approved by the drawings and technical documents.

3.2

The product should appearance, smooth surface, the exposed area should use rust and corrosion materials or take appropriate action.

3.3

products, the use of electric, pneumatic, hydraulic, computer control device, product by product manufacturing units will be equipped the necessary accessories, and by Debugging qualified.

Noise should comply with the relevant national standards and product standards 3.4 product during normal operation.

3.5

product structure strength, stiffness, stability, safety factor shall comply with the relevant national standards and product standards.

3.6

Performance products should comply with the relevant product standards and technical requirements for the express business rules.

3.7

Product design should consider the conservation of resources, shall take effective measures to improve its heat treatment and other moving parts, bearing parts use life.