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

GB/T 27519-2026

Replacing GB/T 27519-2011

**Livestock and poultry slaughtering equipment - General
requirements**

畜禽屠宰加工设备 通用要求

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 27519-2011 "General Requirements for Livestock and Poultry Slaughtering and Processing Equipment". Compared with GB/T 27519-2011, except for the structure... Aside from structural adjustments and editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2011 edition);
- b) The definition of "product" has been changed (see 3.1,.2011 version 3.1);
- c) The "Runtime Performance" definition has been removed (see 3.6 in the.2011 version);
- d) Added definitions for "misalignment amount" (see 3.7), "fitting gap value" (see 3.8), and "gap unevenness value" (see 3.9);
- e) The "Design" requirements have been changed (see 4.1, 5.2 of the.2011 edition), and the energy conservation and emission reduction requirements have been changed (see 4.1, 5.13 of the.2011 edition);
- f) The "Materials" requirements have been changed (see 4.2, Chapter 4 of the.2011 edition);

g) Added the requirement for "common systems and common components" (see 4.3), and changed the requirements for bearings, electrical, hydraulic, pneumatic and lubrication systems, and operating components. Requirements (see 4.3, 5.7, 5.8, and

5.10.7 in the 2011 edition);

h) The "Appearance" requirements have been changed (see 4.4,

1 Scope

GB/T 27519-2026 is the Chinese national standard covering the general requirements for slaughter line equipment - the materials in contact with meat, the cleanability of every surface and joint, the sterilisation of tools between carcasses, the safety of powered machinery around people with knives, and the effluent it produces. It replaces GB/T 27519-2011, and it is the general part above the specific machines: GB/T 47150-2026 on carcass splitting and the rest of the series. It was issued on 27 February 2026 and has been in force since 1 September 2026, replacing GB/T 27519-2011. The document is under the responsibility of the Ministry of Agriculture and Rural Affairs. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the design, materials, general systems and components, appearance, completeness, and usage information of livestock and poultry slaughtering and processing equipment. Basic requirements, as well as requirements for processing, assembly, installation, safety, performance, inspection and testing, inspection rules and marking, packaging, transportation and storage. This document applies to the design, manufacture, installation, inspection, and management of livestock and poultry slaughtering and processing equipment.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 116 Technical Requirements for Rivets

GB/T 150.1 Pressure Vessels - Part

3 Design

GB/T 150.4 Pressure Vessels - Part

4 Manufacturing, Inspection and Acceptance

GB/T 191 Packaging and Storage Graphic Symbols

GB/T 1031 Product Geometric Specification (GPS) - Surface Roughness Parameters and Their Values Using the Surface Structure Profile Method

GB/T 1348 Ductile Iron Castings

GB/T 1731 Test method for flexibility of paint film and putty film

GB/T 1732 Test method for impact resistance of paint film

GB/T 1740 Test method for resistance to damp heat of paint film

GB/T 2100 General purpose corrosion-resistant steel castings

GB 2894 Safety Colors and Safety Signs

GB/T 3323.1 Nondestructive testing of welds-Radiological inspection-Part