

ICS 67.260
CCS X 90



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

GB/T 45894-2025

Safety requirements for meat processing machinery

肉类食品加工机械安全要求

Issued on: June 30, 2025

Implemented on: January 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

Preface	III
Introduction	IV
1 Scope	1
2 Normative references	1
3 Terms and Definitions	2
4 Major Hazards List	4
5 Safety requirements and/or risk reduction measures	4
5.1 Mechanical Safety	4
5.2 Electrical Safety	7
5.3 Thermal Hazard Protection	9
5.4 Noise Reduction	9
5.5 Vibration Reduction	9
5.6 Radiation Protection	9
5.7 Processing, Food Contact Materials and Cleaning Media	9
5.8 Ergonomics	10
5.9 Control Device	11
5.10 Failure of protection	11
5.11 Requirements for missing or misadjusted guards and protective devices	12
5.12 Emissions of Hazardous Substances12	12
5.13 Standalone Equipment	12
5.14 Production Line	14
6 Verification of safety requirements and/or risk reduction measures	14
6.1 General Principles	14
6.2 Verification Method 1---Function Test.....	15
6.3 Verification Method 2---Detection	15
6.4 Verification Method 3---Design Verification.....	16
6.5 Verification Method 4---Observation	16
7 Usage Information	16
7.1 General Principles	16
7.2 Safety Signs	16
7.3 User Manual	16
7.4 Nameplate	17

Appendix A (Informative) Major Hazard List	18
Appendix B (Normative) Alternative protection methods for medium-sized openings of protective devices	20
Appendix C (Informative) Meat Machinery Related Product Standards	21
Reference	22

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Light Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Food Processing Machinery (SAC/TC551).

This document was drafted by: Aibo Meat Technology (Zhejiang) Co., Ltd., Light Industry Hangzhou Mechanical and Electrical Design Institute Co., Ltd., Northeast Agricultural University, Chengdu University, Anjing Food Group Co., Ltd., Henan Institute of Science and Technology, Guangdong Special Equipment Testing Institute Foshan Testing Institute, Sichuan Weizimei Food Technology Co., Ltd., Shanghai Daribao Food Machinery Co., Ltd., Haoweier Machinery (Shandong) Co., Ltd., Chongqing Wangfeng Meat Industry Co., Ltd., Zhejiang Sipu Saw Industry Co., Ltd., Guangzhou Xinyu Mechanical and Electrical Manufacturing Co., Ltd., Fuzhou Jinxiang Food Machinery Equipment Technology Ltd.

The main drafters of this document are: Han Qingrong, Wu Chengkun, Liu Qian, Zhang Jiamin, Huang Jianlian, Cai Lei, Mo Jiaming, Du Hongkun, Li Minjun, Li Gang, Zhu Kangyan, Lu Junchen, Wen Xinsheng, Zhu Huayuan, Zou Zechang, Cao Chuan'ai, Zhou Tuanyuan, Ni Haifeng, Zhang Feng, Wei Xuan, Wang Xiaodong, Sun Fangda, Wang Xianqiang, Chen Xinxing.

Introduction

According to the classification of GB/T 15706, this document belongs to Class C standard.

This document is particularly relevant to the following stakeholders involved in the safety of meat processing machinery.

- Meat processing machinery manufacturers;
- Meat processing plants;

- Health and safety agencies.

Other stakeholders affected by the safety level of meat processing machinery include.

- Owners of meat processing machinery;
- Operators of meat processing machinery;
- Service providers of meat processing machinery.

The scope of this document gives the meat food processing machinery involved. The meat food processing machinery covered by this document is used in Hazards, hazardous situations or dangerous events are given in Chapter 4.

When the requirements of this document differ from those in Category A or Category B standards, meat food processing machines that comply with this document shall be For machinery, the requirements of this document take precedence over those in other standards.

Safety requirements for meat processing machinery

1 Scope

This document specifies the safety requirements and/or risk reduction measures, safety requirements for meat processing machinery (hereinafter referred to as "meat machinery") and/or risk reduction measures, provides a list of significant hazards, and defines relevant terms and definitions.

This document applies to the design, manufacture, inspection and use of meat machinery.

2 Normative references

GB 2893

GB 2894

GB/T 3766

GB/T 3836.1

GB/T 4208

GB/T 5226.1-2019

GB 7231

GB/T 7932

GB/T 8196

GB/T 12265

GB/T 13306

GB/T 15706-2012

GB/T 16754

GB 16798

GB/T 17888.1

GB/T 17888.2-2020

GB/T 17888.3

GB/T 17888.4

GB/T 18209.1

GB/T 18209.3

GB/T 18490

GB/T 18569.1

GB/T 18717.1

GB/T 18717.2

GB/T 18831