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

GB/T 47150-2026

**Livestock and poultry slaughtering and processing equipment -
Carcass splitting equipment**

畜禽屠宰加工设备 畜胴体劈半设备

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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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Slaughtering and Processing (SAC/TC516). This document was drafted by: China Packaging and Food Machinery Co., Ltd., and China Animal Disease Prevention and Control Center (Ministry of Agriculture and Rural Affairs Slaughter Technology). Technology Center), Xiamen Aohong Intelligent Equipment Co., Ltd., Qingdao Jianhua Food Machinery Manufacturing Co., Ltd., Shandong Zhongfuxin Food Machinery Co., Ltd. Company, China Meat Association, Henan Shuanghui Investment & Development Co., Ltd., Beijing Ershang Meat Food Group Co., Ltd., Huashang International Engineering Co., Ltd. Limited Liability Company, Inner Mongolia Keerqin Cattle Industry Co., Ltd. The main drafters of this document are. Pan Man, Gao Shengpu, Wang Jipeng, Zhou Haijun, Guo Nan, Ma Zhuanhong, Zhu Zengyuan, Liu Jinhuan, Guo Shiliang, and Li Hongyu. Zhang Yunmei, Tong Lin, You Hua, Min Chengjun, Huo Da, Yang Yanchen, Zhao Dan, Liu Zhen, Ye Jinpeng. Livestock and poultry slaughtering and processing equipment, carcass splitting equipment

1 Scope

GB/T 47150-2026 is the Chinese national standard covering the machine that splits a carcass down the spine - the saw or cleaver on a slaughter line, with its cutting accuracy, the hygiene of a tool that touches every carcass in turn, its sterilisation between animals and the guarding of a powered blade at chest height. First edition. It was issued on 27 February 2026 and has been in force since 1 September 2026, as a first edition. 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 clarifies the types and basic parameters of carcass splitting equipment, and specifies the technical requirements, inspection rules, and procedures for carcass splitting equipment. The requirements for marking, packaging, transportation, and storage are described, along with the corresponding test methods. This document applies to the manufacture, installation, inspection, and management of equipment for splitting animal

carcasses.

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 4208 Degrees of protection provided by enclosures (IP code)

GB/T 17236 Operating Procedures for Livestock and Poultry Slaughter - Pigs

GB/T 19477 Operating Procedures for Livestock and Poultry Slaughter (Cattle)

GB/T 27519 General Requirements for Livestock and Poultry Slaughtering and Processing Equipment

NY/T 4444 Terminology for Livestock and Poultry Slaughtering and Processing Equipment

3 Terms and Definitions

The terms and definitions defined in NY/T 4444 and the following terms and definitions apply to this document.

3.1 Hand-held splitting saw A device that is manually operated to divide an animal carcass into two parts.

3.2 A device that uses a hand-operated circular saw to divide an animal carcass into two parts.

3.3 A device that uses a frame-type three-dimensional motion mechanism to control the cutting tools to divide the animal carcass into two parts.

3.4 A device that uses robotic-controlled blades to divide an animal carcass into two parts.

3.5 The cutting tool is a robotic halving machine with a band saw.

3.6 During the splitting process, the friction between the knife and the animal carcass causes the temperature of the cut surface to rise, resulting in phenomena such as darkening of the meat and bone color and oxidation.