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

GB/T 47256-2026

**Foundry machinery - Moulding and coremaking equipment -
Safety technical specification**

铸造机械 造型制芯设备 安全技术规范

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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 China Machinery Industry Federation. This document is under the jurisdiction of the National Technical Committee on Standardization of Foundry Machinery (SAC/TC186). This document was drafted by: Jinan Foundry & Forging Inspection and Testing Technology Co., Ltd., Baoding Weier Foundry Machinery Co., Ltd., and Suzhou Sanxin. Machinery Manufacturing Co., Ltd., China Automotive Engineering Co., Ltd., Fujian Minxuan Technology Co., Ltd., Suzhou Mingzhi Technology Co., Ltd. Limited Company, Guoxun Technology (Xiamen) Co., Ltd., Zhejiang Wanfeng Technology Development Co., Ltd., Nan'an Zhongji Standardization Research Institute Co., Ltd. Company, Jinhua Haoxiang Auto Parts Co., Ltd., Sixth Design and Research Institute of Machinery Industry Co., Ltd., Shandong Jiechuang Machinery Co., Ltd., Qingdao Kaijie Heavy Industry Machinery Co., Ltd., Sinomach Casting & Forging Machinery Co., Ltd., Qingdao Zhongzhida Environmental

Protection Smelting Equipment Co., Ltd., Zhiheng (Tianjin) Industrial Co., Ltd. Yonghong Baoding Foundry Machinery Co., Ltd., Jinan Ruisheng Foundry Machinery Co., Ltd., Jinan No.

2 Machine Tool Group Co., Ltd., Qingdao Antai Heavy Industry Machinery Machinery Co., Ltd., Weihai Gongyou Foundry Machinery Co., Ltd., Qingdao Qingli Environmental Protection Equipment Co., Ltd., Anhui Anhuang Machinery Co., Ltd. China Machinery Research Institute of Standards and Technology (Beijing) Co., Ltd. The main drafters of this document are. Cui Ruiqi, Cui Lixia, Wang Hua, Hou Ruoxian, Zhi Yong, Li Zhihong, Chen Huiling, Lu Gaochun, Gu Haibing, and Zheng Chuansen. Zhang Xuxia, Wu Jun, Zheng Huating, Yang Hao, Yang Liangqun, Li Chen, Ding Lei, Su Liguang, Li Laisheng, Zhao Lindong, Duan Jinting, Ren Yubao, Su Shisheng Li Dapeng, Xiang Ziqiang, Wang Minggang, Ding Renxiang, Chi Yingjie, Yu Kuopei, Huang Changwen, Zhang Xiaofei.

According to the classification of GB/T 15706-2012, this document belongs to Class C standards. This document is particularly relevant to the following stakeholders related to the mechanical safety addressed in this document.

---Machine manufacturer;

---Health and Safety Agency. Other stakeholders affected by the level of mechanical safety include.

---Machine users;

---Machine owner;

---Service provider. All of the aforementioned stakeholders may participate in the drafting of this document. The scope of the machines covered in this document, as well as the hazards, hazardous conditions, and hazardous events covered, is given in the scope of this document. When the requirements in this document differ from those in Category A or Category B standards, for machines designed and manufactured in accordance with this document... For this instrument, the requirements in this document take precedence over the requirements in other standards. Casting machinery molding and core-making equipment Safety Technical Specifications

1 Scope

GB/T 47256-2026 is the Chinese national standard covering the safety of moulding and coremaking machines - the closing and clamping movements that can crush, the core shooters and their gas, the amine catalyst in cold box coremaking and the guarding and interlocks around all of it. It is one of seven foundry machinery safety standards published together on 27 February 2026, which between them cover a whole foundry: melting, moulding and coremaking, pouring, shakeout, blasting, sand plant and die casting. First edition, in force since 1 September 2026. 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 China Machinery Industry Federation. 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 safety requirements and/or risk reduction measures and usage information for molding and core-making equipment, and describes the corresponding verification methods. This document outlines the procedures for using molding and core-making equipment for its intended purpose and for use under conditions of misuse that the manufacturer could reasonably foresee. Examples of major hazards, hazardous conditions, or hazardous events related to this type of equipment (see Appendix A). This document applies to the design, manufacture, and acceptance of molding and core-making equipment.

Note. Molding and core-making equipment includes molding machines, molding production lines, core-making machines, core-making production lines, sand core drying equipment, and sand mold drying equipment. This document does not apply to investment and lost foam casting equipment, sand core/sand mold 3D printing equipment, casting equipment, ventilation and dust removal equipment, or exhaust gas systems. 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 150.4 Pressure Vessels - Part

4 Manufacturing, Inspection and Acceptance

GB 2894 Safety Colors and Safety Signs

GB/T 3766 General rules and safety requirements for hydraulic transmission systems and their components

GB/T 3836.1 Explosive Atmospheres - Part

15 Design, Selection and Installation of Electrical Installations

GB/T 4208-2017 Degrees of protection provided by enclosures (IP code)

GB/T 5226.1-2019 Electrical Safety of Machinery - Electrical Equipment of Machinery - Part