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

GB/T 30463-2025

Replacing GB/T 30463-2013

CNC plate bending machines

数控卷板机

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

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

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 supersedes GB/T 30463-2013 "CNC Plate Rolling Machines". The main technical changes compared to GB/T 30463-2013 are as follows: as follows:

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the.2013 edition);
- b) The parameters of the CNC plate rolling machine were changed (see Chapter 4, Chapter 4 of the.2013 edition);
- c) Added requirements for the remaining straight section after pre-bending (see 5.2.5);
- d) The maximum thickness requirement for pre-bent plates has been increased (see 5.2.6);
- e) The deflection requirements have been changed (see 5.2.8, 5.4 in the.2013 version);
- f) The requirements for the work roll material have been changed (see 5.5.3, 5.6.3 in the.2013 edition);
- g) The requirements for CNC systems have been changed (see 5.7, 5.8 in the.2013 edition);
- h) The requirements for sheet metal feeding accuracy and work roll displacement positioning accuracy have been removed (see Table 3 in the.2013 edition);
- i) Increased requirements for working accuracy (see Chapter 6);

1 Scope

GB/T 30463-2025 is the Chinese national standard covering the CNC plate roll - the capacity in thickness and width, the roll positioning accuracy that decides the roundness of

the shell it forms, the pre-bending of the plate ends, and the geometric and performance acceptance tests. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 30463-2013.

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 191 Pictorial Symbols for Packaging and Storage

GB/T 3168 Visual Symbols for Operation Instructions of Digital Control Machine Tools

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

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

GB/T 6402-2008 Ultrasonic Testing Methods for Steel Forgings

GB/T 6576 Machine Tool Lubrication System

GB/T 7935 General Technical Requirements for Hydraulic Components

GB/T 9969 General Rules for Instructions for Use of Industrial Products

GB/T 10923 General Rules for Precision Inspection of Forging Machinery GB/T 13306 Nameplates

GB 17120 Safety Technical Conditions for Forging Machinery

GB/T 23281 Measurement Method for Sound Pressure Level of Forging Machinery

GB/T 26220 General Technical Requirements for Numerical Control Systems for Industrial Automation Systems and Integrated Machine Tools

GB/T 36484 Terminology for Forging Machinery

JB/T 1829 General Technical Conditions for Forging and Pressing Machinery

JB/T 3240 Visual Symbols for Operating Instructions of Forging and Pressing Machinery

JB/T 8356 Technical Requirements for Machine Tool Packaging

JB/T 8609 Technical Requirements for Welded Components of Forging and Pressing Machinery

JB/T 9954 Cleanliness of Hydraulic Systems for Forging Machinery

3 Terms and Definitions

The terms and definitions defined in GB/T 36484 and the following terms and definitions apply to this document.

3.1 A plate rolling machine that controls the rotational and linear displacement of the working rollers using a CNC system.

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