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ICS 01.100.01
CCS J04

JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15294-2025

Technical product documentation - Technical specifications of virtual assembly for NC machine toolstools

技术产品文件 数控机床虚拟装配技术规范

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Terms and definitions
4 Technical requirements
4.1 General requirements
4.2 Model designation
6 Test methods
6.1 Factory inspection
6.2 Type inspection
7 Inspection rules
8 Marking, packaging, transportation and storage
8.1 Marking
8.2 Packaging

1 Foreword

JB/T 15294-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

The JB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the general requirements, data preparation, scene initialization, assembly content design, virtual-real integration, assembly operation, assembly result evaluation and display, and other detailed requirements for virtual assembly of CNC machine tools. This standard applies to the simulation of the CNC machine tool assembly process.

JB/T 15294-2025 falls under ICS 01.100.01, in the field of generalities, terminology and documentation.

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https://chinastandards.org/standards/jb-t-15294-2025

This catalogue holds 8 other JB/T standards in that field.

In this catalogue, JB/T standards carry edition years from 1967 to 2026.

3 About this standard

Sector: Mechanical & Machinery Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 15054.1-2018 - Miniature screw threads - Part 1: Profiles, general plan and basic dimensions

JB/T 6063-2006 - Non-destructive testing - Materials for magnetic particle testing

GB/T 15822.1-2005 - Non-destructive testing -- Magnetic particle testing -- Part 1: General principles

JB/T 15293-2025 - Technical product documentation - Technical specifications of three-dimensional modeling for NC machine tools

JB/T 15292-2025 - Technical product documentation - Technical regulation for numerical simulation on processing technology of large castings

JB/T 15291-2025 - Technical product documentation - Technical regulation for numerical simulation on processing technology of large forgings

5 Classification and status

International classification (ICS): 01.100.01

Chinese Standard Classification (CCS): J 04

Prefix JB/T: recommended standard.

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