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ICS 25.030
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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15160-2025

Additive Manufacturing - Safety evaluation specifications for flexible robots

增材制造 柔性机器人安全评价规范

(English Translation)

Issued on: August 19, 2025 **Implemented on: March 1, 2026**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

JB/T 15160-2025 was issued by Ministry of Industry and Information Technology on 19 August 2025 and has been in force since 1 March 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, classification, evaluation, and result determination for safety evaluation of additive manufacturing flexible robots. This standard applies to safety evaluation activities for additive manufacturing laser cladding robots.

JB/T 15160-2025 falls under ICS 25.030, in the field of manufacturing engineering.

This catalogue holds 1,459 other JB/T standards in that field.

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

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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 16754-2021 - Safety of machinery - Emergency stop function - Principles for design

GB/T 15706-2012 - Safety of machinery -- General principles for design -- Risk assessment and risk reduction

GB/T 15706.2-2007 - Safety of machinery -- Basic concepts, general principles for design -- Part 2: Technical principles

JB/T 13776-2020 - Electrical equipment and systems of industrial machines - Reliability test specifications for NC system software

JB/T 13775-2020 - Electrical equipment and systems of industrial machines - White-box test specifications for NC system software

JB/T 13634-2020 - Electrical equipment and systems of machine tools - Technical acceptance requirements for control systems of CNC sawing machines

5 Classification and status

International classification (ICS): 25.030

Chinese Standard Classification (CCS): J 09

Prefix JB/T: recommended standard.

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