

ICS 25.040.30

CCS J28



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

GB/T 26154-2010

General specifications of assembly robots

装配机器人 通用技术条件

Issued on: January 14, 2011

Implemented on: June 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

1 Scope	1
2 Normative references	1
3 Product Categories	1
4 Performance 2	5
6 Test Method	4
7 Inspection rules 5 8 test items 5 9 signs, packaging, transportation and storage	6

Foreword

The standard proposed by China Machinery Industry Federation. The standard automation systems and integration by the National Standardization Technical Committee (SAC/TC159) centralized. This standard was drafted. Beijing Machinery Industry Automation Research Institute. The main drafters of this standard. Young Book Review, Wang Sisi. Assembly robots general technical conditions

1 Scope

GB/T 26154-2010 is the Chinese national standard on general specifications of assembly robots, in the field of manufacturing engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 14 January 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 June 2011. Classification: ICS 25.040.30, CCS J28. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the technical requirements, test methods and inspection rules for the assembly robot. This standard applies to general assembly robot.

2 Normative references

The following documents contain provisions which, through this standard reference and become the standard terms. For dated references, subsequently Some amendments (not including errata content) or revisions do not apply to this standard, however, encourage the

parties to agreements based on this research Study whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 191-2008 Packaging - Pictorial signs (ISO 780.1997, MOD)

GB/T 4768-2008 mildew Packaging

GB/T 4879-1999 rust-proof packaging

GB/T 5048-1999 proof packaging

GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements (IEC 60204-1.2005, IDT)

GB/T 12642-2001 industrial robots - Performance criteria and related test methods (eqv ISO 9283.1998)

GB/T 12644-2001 industrial robot of characteristics (eqv

ISO 9946.1999) GB /Z19397-2003 industrial robot EMC test methods and performance evaluation criteria - Guidelines (ISO /T R11062. 1994, IDT)

ISO 10218-1.2006 Safety requirements for industrial environments - Part

3 Product Categories

3.1 divided by type of coordinates.

- a) rectangular coordinate type robot assembly;
- b) a cylindrical coordinate type robot assembly;
- c) spherical coordinate type robot assembly;
- d) articulated robot assembly.

3.2 according to the load capacity is divided into.

- a) light assembly robot, load capacity $\leq 1\text{kg}$;
- b) small assembly robots, load capacity $> 1\text{kg} \sim 10\text{kg}$;
- c) Medium assembly robot, load capacity $> 10\text{kg} \sim 30\text{kg}$;
- d) large-scale assembly robot, load capacity $> 30\text{kg}$.

3.3 Press Repeat pose accuracy is divided into.

- a) precision assembly robot $\leq 0.1\text{mm}$;
- b) general assembly robot $> 0.1\text{mm}$.

3.4 divided by operating environment.