

Industrial robots —

Part 3: Specification for the presentation of characteristics by the manufacturer

The European Standard EN 29946:1992 has the status of a British Standard.

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Advanced Manufacturing Technology Standards Policy Committee (AMT/-) to Technical Committee AMT/2, upon which the following bodies were represented:

- Advanced Manufacturing Technology Research Institute
- British Computer Society
- British Robot Association
- Department of Trade and Industry (National Engineering Laboratory)
- Department of Trade and Industry
- EEA (the Electronics and Business Equipment Association)
- ERA Technology Ltd.
- Health and Safety Executive
- Institution of Mechanical Engineers
- Loughborough, University of Technology
- Society of British Aerospace Companies Limited
- Society of Motor Manufacturers and Traders Limited
- The Welding Institute
- University of Surrey

This British Standard, having been prepared under the direction of the Advanced Manufacturing Technology Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 31 May 1991

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The following BSI references relate to the work on this standard:
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National foreword

This Part of BS 7228 has been prepared under the direction of the Advanced Manufacturing Technology Standards Policy Committee and is identical with ISO 9946 “*Manipulating industrial robots — Presentation of characteristics*” published by the International Organization for Standardization (ISO).

This Part of BS 7228 has been prepared as a result of international discussions in which the UK took an active part.

In 1992 the European Committee for Standardization (CEN) accepted ISO 9946:1991 as European Standard EN 29946:1992.

BS 7228 will be published in Parts and Sections. Whilst not essential, it is recommended that each Part of the standard should be read with reference to the others. The list of Parts currently published or in preparation is as follows.

- *Part 1: Glossary of terms;*
 - *Part 2: Guide to definitions of coordinate systems and motions;*
 - *Part 3: Specification for the presentation of characteristics by the manufacturer;*
 - *Part 4: Performance criteria and testing;*
 - *Section 4.1: Methods for comprehensive testing;*
 - *Section 4.2: Methods for comparison testing;*
 - *Part 5: Mechanical interfaces;*
 - *Section 5.1: Specification for circular form (form A);*
- NOTE Further Sections of Part 5 may follow for other types of mechanical interface.
- *Part 6: Safety¹⁾.*

Cross-references

International Standard	Corresponding British Standard
	BS 7228 <i>Industrial robots</i>
ISO/TR 8373:1988	Part 1:1989 <i>Glossary of terms</i> (Identical)
ISO 9283:1990	Part 4 <i>Performance criteria and testing</i> Section 4.1:1991 <i>Specification for comprehensive testing</i> (Identical)
ISO 9409-1:1988	Part 5 <i>Mechanical interfaces</i> Section 5.1:1989 <i>Specification for circular form (form A)</i> (Identical)
ISO 9787:1990	Part 2:1991 <i>Guide to definitions of coordinate systems and motions</i> (Identical)

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ In preparation.

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Descriptors: Mechanics, automation, manipulators, industrial robots, technical data sheets, characteristics

English version

Manipulating industrial robots — Presentation of characteristics

(ISO 9946:1991)

Robots manipulateurs industriels —
Présentation des caractéristiques
(ISO 9946:1991)

Industrieroboter — Darstellung
charakteristischer Eigenschaften
(ISO 9946:1991)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

In 1990, ISO/DIS 9946 was submitted to the CEN Primary Questionnaire procedure.

Following the positive result of this procedure, the CEN Technical Sector Board, BTS2-Engineering (Resolution BTS2 65/1991), agreed to submit ISO 9946:1991, without modifications, to Formal Vote. The result of the Formal Vote was positive.

National Standards identical to this European Standard shall be published at the latest by 92-11-30 and conflicting national standards shall be withdrawn at the latest by 92-11-30.

In accordance with the CEN/CENELEC Common Rules, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of the International Standard ISO 9946:1991 was approved by CEN as a European Standard without any modification.