

Industrial robots —

Part 2: Guide to definitions of coordinate systems and motions

The European Standard EN 29787:1992 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
- ERA Technology Ltd.
- EEA (The Electronics and Business Equipment Association)
- 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
- University of Surrey
- The Welding Institute

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 29 March 1991

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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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 9787:1990 “*Manipulating industrial robots — Coordinate systems and motions*” 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 9787:1990 as European Standard EN 29787:1992.

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 testing¹⁾;*
- *Part 5: Mechanical interfaces;*
- *Section 5.1: Specification for circular form (form A);*
- *Part 6: Safety¹⁾.*

NOTE Further Sections of Part 5 may follow for other types of mechanical interface.

Cross-references

International Standard	Corresponding British Standard
ISO TR 8373:1988	BS 7228 <i>Industrial robots</i> Part 1:1989 <i>Glossary of terms</i> (Identical)

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 6, 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.