



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 9946:1999

ICS 25.040.30

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**MANIPULATING INDUSTRIAL ROBOTS -
PRESENTATION OF CHARACTERISTICS
(ISO 9946:1999)**

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English version

**Manipulating industrial robots - Presentation of characteristics
(ISO 9946:1999)**

Robots manipulateurs industriels - Présentation des
caractéristiques (ISO 9946:1999)

Industrieroboter - Darstellung charakteristischer
Eigenschaften (ISO 9946:1998)

This European Standard was approved by CEN on 1 March 1999.

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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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

The text of the International Standard ISO 9946:1999 has been prepared by Technical Committee ISO/TC 184 "Industrial automation systems and integration" in collaboration with Technical Committee CEN/TC 310 "Advanced Manufacturing Technologies", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 1999, and conflicting national standards shall be withdrawn at the latest October 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 9946:1998 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

Annex A and B of this European Standard are informative.

Annex ZA (normative)**Normative references to international publications
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 8373	1994	Manipulating industrial robots - Vocabulary	EN ISO 8373	1996
ISO 9283	1998	Manipulating industrial robots - Performance criteria and related test methods	EN ISO 9283	1998
ISO 9409-1	1996	Manipulating industrial robots - Mechanical interfaces - Part 1: Plates (form A)	EN ISO 9409-1	1996
ISO 9787	1999	Manipulating industrial robots - Coordinate systems and motion nomenclatures	EN ISO 9787	1999

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