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(JSA)

**Geometrical Product Specifications
(GPS)—Surface texture: Profile
method—Terms, definitions and
surface texture parameters**

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, **JIS B 0601**:2001 is replaced with this Standard.

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Geometrical Product Specifications (GPS)—Surface texture: Profile method— Terms, definitions and surface texture parameters

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 4287** published in 1997, Amendment 1 (2009), Technical corrigendum 1 (1998), Technical corrigendum 2 (2005) without any modifications of the technical contents. However, the amendment and technical corrigenda have been compiled and integrated into this Standard. This Standard permits to use text equivalents in order to facilitate alphanumeric notation by means of computers. See Annex A for more information. Also the flowchart for surface assessment is diagramed in Annex B. Basic terms and parameter symbols used in this Standard are different from those used in 1994 edition of **JIS B 0601** and 1998 edition of **JIS B 0660**. See Annex C for more information.

The portions underlined with dots and Annexes JA and JB in this Standard are the matters not given in the corresponding International Standard.

This Standard is a Geometrical Product Specification (GPS) standard and is to be regarded as a General GPS standard (see **ISO/TR 14638**:1995). It influences chain link 2 of the chains of standards on surface texture.

For more detailed information on the relationship of this Standard to other GPS standards, see Annex D.

In this Standard, ten-point height of roughness profile which has been used in Japan and centre line average roughness specified in standards prior to **JIS B 0601**:1994 are given for information in Annex JA and Annex JB, respectively.

1 Scope

This Standard specifies terms, definitions and parameters for the determination of surface texture (roughness, waviness and primary profiles) by profiling methods.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows:

ISO 4287:1997 *Geometrical Product Specifications (GPS)—Surface texture: Profile method—Terms, definitions and surface texture parameters*, Amendment 1:2009, Technical corrigendum 1:1998 and Technical corrigendum 2:2005 (IDT)

The symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.