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**Geometrical Product Specifications
(GPS)—Surface texture :
Profile method—Calibration of
contact (stylus) instruments**

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Reference number : JIS B 0670 : 2002 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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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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Geometrical Product Specifications (GPS)— Surface texture : Profile method— Calibration of contact (stylus) instruments

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 12179 Geometrical Product Specifications (GPS)—Surface texture : Profile method—Calibration of contact (stylus) instruments** published in 2000 with some modifications of the technical contents.

This Standard is one of the Geometrical Product Specifications (GPS), is to be regarded as a general GPS standard (see **TR B 0007**), and influences chain link 6 of the chain of standards on roughness curve, waviness curve and primary profile.

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

This Standard specifies the calibration method of contact (stylus) instruments as defined in **JIS B 0651**. The calibration is to be carried out with the aid of measurement standards.

The portions underlined with dots in this Standard are the matters in which the original International Standard has been modified.

Remarks : **TR B 0007** is identical with **ISO/TR 14638 : 1995 Geometrical Product Specifications (GPS)—Master plan**.

1 Scope This Standard applies to the calibration of the metrological characteristics of contact (stylus) instruments for the measurement of surface texture by the profile method as defined in **JIS B 0651**. The calibration is to be carried out with the aid of measurement standards.

Annex B applies to the calibration of metrological characteristics of simplified operator contact (stylus) instruments which do not conform with **JIS B 0651**.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, 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**.

ISO 12179 : 2000 *Geometrical Product Specifications (GPS)—Surface texture : Profile method—Calibration of contact (stylus) instruments* (MOD)

2 Normative references The following normative documents contain provisions which, through reference in this text, constitute provisions of this Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. For undated references, the latest edition (including amendments) of the normative document referred to applies.

JIS B 0601 *Geometrical Product Specification (GPS)—Surface texture : Profile method—Terms, definitions and surface texture parameters*