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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 16747-2009

Replacing GB/T 16747-1997

**Geometrical product specification (GPS) - Surface texture:
Profile method - Surface waviness terms**

产品几何技术规范 (GPS) 表面结构 轮廓法 表面波纹度词汇

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Foreword

This standard replaces GB /"surface waviness vocabulary", compared with the GB/T 16747-1997, T 16747-1997 main changes are as follows:

- Increasing the standard name guiding element "Geometrical product specifications (GPS)", made in line with the new standards;
- Updated Chapter 2, "Normative references" in the standard name and version number;
- According to the provisions of GB/T 3505, the written form of the parameter code has been modified. Appendix A of this standard and Appendix B is an informative annex. This standard GPS location system in Appendix B. The standard dimensions and geometry by the National Technical Committee of Standardization Technical specifications and centralized. This standard was drafted. the machine Productivity Promotion Center, Harbin Measuring & Cutting Tool Group Co., Ltd., Beijing Science detection measures Institute. The main drafters of this standard. Wang Xinling, Lang Yan Mei, Chen Jingyu Wu Xun. This standard replaces the standards previously issued as follows:
- GB/T 16747-1997. Geometrical product specifications (GPS) Surface texture Profile method Surface waviness vocabulary

1 Scope

GB/T 16747-2009 is the Chinese national standard on geometrical product specification (gps) - surface texture: profile method - surface waviness terms, in the field of metrology and measurement. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 16 March 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 17.040.20, CCS J04. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself,

which is delivered complete in English translation.

The criteria to determine the surface waviness terms and definitions related to the surface and its parameters. These are the middle term waviness parameters based system Determined basis. This standard applies to technical documentation and technology publications.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 3505-2009 Geometrical product specifications (GPS) Surface texture Profile method - Terms, definitions and surface texture parameters (ISO 4287.1997, IDT)

GB/T 7220-2004 Geometrical product specifications (GPS) Surface texture Profile method of surface roughness parameters term measuring GB /Z20308-2006 Geometrical product specifications (GPS) Master Plan (ISO /T R14638.1995, MOD) 3 surface, contour and reference terminology

3.1 Objects with the surrounding media separation surface (see

GB/T 3505-2009 3.1.3). Actual surface roughness is, waviness and shape Like superposition (see Figure 1). Figure 1 actual surface

3.2 By a designated plane intersects the actual surface contour obtained. It consists of the roughness profile, waviness and contour shape outline constitution (see Figure 2).