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CCS J04



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

GB/T 48130-2026

**Geometrical product specifications (GPS) - Design and
metrological characteristics of rotary axis form-measuring
instruments**

产品几何技术规范（GPS）回转型形状测量仪的设计和计量特性
(English Translation)

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Foreword

GB/T 48130-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 January 2027.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Standardization Administration of China.

Classification: ICS 17.040.30;17.040.40; CCS J04.

1 Scope

This standard belongs to the geometrical product specifications (GPS) family and addresses the design and metrological characteristics of rotary axis form-measuring instruments, which are used to measure the form of round or rotationally symmetric parts. It is aimed at instrument manufacturers, calibration and metrology laboratories, and quality engineers who buy, verify or compare form-measuring equipment in precision manufacturing.

It adopts an international standard. It was issued on 28 September 2026 and takes effect on 1 January 2027. As a GB/T document it is recommended, and it will usually be applied through procurement terms or internal quality systems. Roundness and cylindricity measurements underpin quality control for bearings, shafts, engine parts and precision components, so a shared description of what these instruments are and how their characteristics are stated helps buyers compare offers on equal terms. Metrology teams that need their equipment descriptions and performance statements to follow the current Chinese standard system can use it as a reference.