

ISO 10360-2:2001, Geometrical Product Specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 2: CMMs used for measuring size



This part of ISO 10360 specifies the acceptance test for verifying that the performance of a CMM used for measuring size is as stated by the manufacturer. It also specifies the reverification test which enables the user to periodically reverify the performance of a CMM used for measuring size. The acceptance and reverification tests of probing error, and error of indication for size measurement, given in this part of ISO 10360, are applicable only to CMMs using contacting probing systems of any type operating in the discrete-point probing mode. This International Standard specifies performance requirements that can be assigned by the manufacturer or the user of the CMM, the manner of execution of the acceptance and reverification tests to demonstrate the stated requirements, rules for proving conformance, and applications for which the acceptance and reverification tests can be used. This title may contain less than 24 pages of technical content.

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a simple solution to interim check of coordinate measuring machines NOTE 2 This part of ISO 230 does not include non-contacting type of probes (e.g. optical probes), but it is Acceptance and reverification tests for coordinate measuring machines (CMM) ? NOTE In measuring mode, machine tools are used like CMMs. .. [3], ISO 10360-1:2000, Geometrical Product Specifications (GPS) ? Geometrical product specifications (GPS) -- Acceptance and reverification tests (CMS) -- Part 12: Articulated arm coordinate measurement machines (CMM). ISO 10360-12:2016 specifies the acceptance tests for verifying the applications for which the acceptance and reverification tests can be used. std 2 158, Paper. **ISO 10360-12:2016 - Geometrical product specifications (GPS** Geometrical Product Specifications (GPS) -- Dimensional measuring . General tolerances -- Part 1: Tolerances for linear and angular dimensions without . and reverification tests for coordinate measuring machines (CMM) -- Part 2: CMMs measuring machines (CMM) -- Part 4: CMMs used in scanning measuring mode. **View/Open - Lirias - KU Leuven** Coordinate measuring machine error model measurement error form tolerance CMM [1]: ISO 10360-1:2000, Geometrical Product Specifications (GPS) Acceptance and reverification tests for coordinate measuring machines (CMM) -- Part 1: (CMM)

-- Part 2: CMMs used for measuring linear dimensions and -2 (ISO ISO/TC 213 - **Dimensional and geometrical product specifications** product can be used in small and medium sized industries of Keywords: Coordinate Measuring Machines, Interim acceptance test and interim checks with the same shows that 9% of the CMM are verified daily, 21% weekly The ISO 10360-2 recommends . [2] ISO 10360-2, Geometrical Product Specification. **ISO/TC 213 - Dimensional and geometrical product** - Coordinate Metrology The PAMS ISO 15530-3 Geometrical Product Specifications (GPS) . Coordinate measuring machines (CMM): Technique for CMM. Master. Part. Part & Method-Specific (PAMS) Compensation for CMMs in Serial . Acceptance and re-verification tests for coordinate measuring machines -. Part 2: **Measurement uncertainty assessment of Coordinate Measuring** reliability of measurement systems, such as Coordinate Measuring Machines identification of major components of uncertainty in verification of geometric tolerances, ISO 10360-2:2001, Geometrical Product Specifications (GPS) -- Acceptance tests for coordinate measuring machines (CMM) -- Part 2: CMMs Used for **ISO 10360-2 - SAI Globals InfoStore** The proposed criteria, along with the novel CMM measurement strategies for the Keywords : GD&T, Tolerance verification, CAD, Coaxiality, Concentricity, CMM The ISO GPS (Geometrical Product. Specifications) series of standards divide .. machines (CMM) Part 2: CMMs used for measuring size,. The. International. **A review of the existing performance verification infrastructure for** Are you thinking about buying a new co-ordinate measuring machine (CMM) within the The single stylus probing test, that appeared in ISO 10360-2: 2001, does not [1] ISO 10360-2: 2009 Geometrical product specifications (GPS) Acceptance and re-verification tests for coordinate measuring machines (CMM) Part 2: **I need to calibrate my CMM, or do I mean verify it or error map it or** Acceptance and re-verification tests for coordinate measuring machines (CMM): ? Part 1: Vocabulary ? Part 2: CMMs used for measuring linear dimensions ? This part of ISO 10360 is a geometrical product specification (GPS) standard and is to be regarded as a multiple styli connected to the CMM probe (e.g. a star),. **a statistical approach to prediction of the cmm drift behaviour using a** ISO. 10360-2. Third edition. 2009-12-01. Geometrical product specifications. (GPS) Acceptance and re-verification tests for coordinate measuring machines. (CMM) . Part 2: CMMs used for measuring linear dimensions de verification periodique des machines a mesurer tridimensionnelles. (MMT) . Partie 2: MMT **ISO 10360-5:2010(en), Geometrical product specifications (GPS** Geometrical product specifications (GPS) -- Acceptance and re-verification tests for machines (CMM) -- Part 2: CMMs used for measuring linear dimensions tests for verifying the performance of a coordinate measuring machine (CMM) used for The acceptance and re-verification tests given in ISO 10360-2:2009 are **Acceptance and re-verification tests for Coordinate Measuring** ISO 10360-2: 2009 Geometrical product specifications (GPS) Acceptance and re-verification tests for coordinate measuring machines (CMM) Part 2: CMMs **State of the Art of Tactile Micro Coordinate Metrology - MDPI** Figure 2: The Zeiss F25 micro-CMM (left) and the IBSPE Isara 400 Specification (GPS) Acceptance and re-verification tests for coordinate measuring machines (CMMs). Part 2: CMMs used for measuring linear dimensions [20], however, CMMs would be the series ISO 10360 Geometric Product Specification (GPS) **About to buy a CMM? - Quality Manufacturing Today Magazine** Geometrical Product Specifications (GPS) -- Acceptance and re-verification tests for coordinate measuring machines (CMM) -- Part 1: Vocabulary. ISO ISO 10360-2:2009. Part 2: CMMs used for measuring linear dimensions. **ISO 10360-2:2001 - Geometrical Product Specifications (GPS** Usual practice in CMM measurement familiarizes metrologists and Acceptance and re-verification tests for coordinate measuring machines (CMM) ? Part 1: Vocabulary ISO 10360-2:2001, Geometrical Product Specifications (GPS) ? Part 2: CMMs used for measuring size ISO 14253-1:1998, Geometrical Product **ISO 10360-4:2000 - Geometrical Product Specifications (GPS** Keywords: micro coordinate metrology tactile probe calibration performance verification. 1. Introduction. Coordinate measuring machines (CMMs) have become versatile dimensional measurements on micro parts having geometrical .. acceptance and re-verification test ISO 10360-2 [38] using specially. **Task Specific Error Correction in Coordinate Metrology - Cenam** Geometrical Product Specifications (GPS) -- Acceptance and re-verification tests for coordinate measuring machines (CMM) -- Part 2: CMMs used for measuring **Factors affecting measurement uncertainty in industrial CMM work** When delivered an acceptance test will be carried out to verify that it meets its specification. ISO 10360-1: 2000 Geometrical Product Specifications (GPS) - Acceptance and re-verification tests for coordinate measuring re-verification tests for coordinate measuring machines (CMM) - Part 2: CMMs used for **ISO 230-10:2016(en), Test code for machine tools ? Part 10** measurements. CMMs are versatile instruments used for precision inspection in 2. Background on CMM measurement uncertainty estimation . acceptance and re-verification test [24,25] being usually adequate. A control .. [9] ISO/DTS 15530-2, Geometrical Product Specifications (GPS) Coordinate. **ISO 10360-2:2001**

- **Geometrical Product Specifications (GPS)** Geometrical Product Specifications (GPS) -- Acceptance and re-verification tests for coordinate measuring machines (CMM) -- Part 4: CMMs used in scanning **ISO 10360-2:2009 - Geometrical product specifications (GPS)** Geometrical product specifications (GPS) -- Acceptance and re-verification tests for coordinate measuring machines (CMM) -- Part 5: CMMs using single and - **Measuring instruments - ISO 10360-2:2009(en), Geometrical product specifications (GPS)** 2. ISO 10360. Acceptance and re-verification Tests for. Coordinate Measuring Machines mance of Coordinate Measuring Machines. (CMMs). Before purchasing a CMM, it is important to ISO 10360-2 CMMs used for measuring size In CMM metrology the specifications .. The Leitz brand as part of Hexagon Metrology. **Wenzel Metrology Equipment: ISO 10360 - Whats so special about** Sensors for coordinate measuring machines (CMM) are nowadays assessed crash if the sensor could be tested apart from the machines uncertainty. Also speed, e.g. continuous tactile scanning probes [1], laser scanning probes [2] or . obtained results can then be used to prove conformance with ISO 14253: GPS .