
Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ravna - 600. del: Meroslovne lastnosti topografskih metod za merjenje ravnih površin (ISO 25178-600:2019)

Geometrical product specifications (GPS) - Surface texture: Areal - Part 600: Metrological characteristics for areal-topography measuring methods (ISO 25178-600:2019)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 600: Messtechnische Merkmale für flächentopographische Messverfahren (ISO 25178-600:2019)

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Spécification géométrique des produits (GPS) - Etat de surface: Surfacique - Partie 600: Caractéristiques métrologiques pour les méthodes de mesure par topographie surfacique (ISO 25178-600:2019)

Ta slovenski standard je istoveten z: EN ISO 25178-600:2019

ICS:

17.040.20	Lastnosti površin	Properties of surfaces
17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)

SIST EN ISO 25178-600:2019

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EUROPEAN STANDARD

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English Version

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This European Standard was approved by CEN on 15 February 2019.

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Contents	Page
European foreword.....	3

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[SIST EN ISO 25178-600:2019](https://standards.iteh.ai/catalog/standards/sist/2c434a0b-53d0-4a4e-bc84-c1cdacee3337/sist-en-iso-25178-600-2019)
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European foreword

This document (EN ISO 25178-600:2019) has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 "Dimensional and geometrical product specification and verification" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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2019-02

**Geometrical product specifications
(GPS) — Surface texture: Areal —
Part 600:
Metrological characteristics for areal
topography measuring methods**

iTeh STANDARD PREVIEW
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*Spécification géométrique des produits (GPS) — État de surface:
Surfacique —
Partie 600: Caractéristiques métrologiques pour les méthodes de
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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 All areal topography measuring methods.....	1
3.2 <i>x</i> - and <i>y</i> -scanning systems.....	10
3.3 Optical systems.....	11
3.4 Optical properties of the workpiece.....	14
4 Standard metrological characteristics for surface texture measurement	15
Annex A (informative) Maximum measurable local slope vs. A_N	16
Annex B (informative) Relation to the GPS matrix model	19
Bibliography	20

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[SIST EN ISO 25178-600:2019](https://standards.iteh.ai/catalog/standards/sist/2c434a0b-53d0-4a4e-bc84-c1cdacee3337/sist-en-iso-25178-600-2019)

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ISO 25178-600:2019(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

A list of all parts in the ISO 25178 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is a geometrical product specification standard and is to be regarded as a general GPS standard (see ISO 14638). It influences the chain link F of the chains of standards on areal surface texture and profile surface texture.

The ISO/GPS matrix model given in ISO 14638 gives an overview of the ISO/GPS system of which this document is a part. The fundamental rules of ISO/GPS given in ISO 8015 apply to this document and the default decision rules given in ISO 14253-1 apply to the specifications made in accordance with this document, unless otherwise indicated.

For more detailed information of the relation of this document to other standards and the GPS matrix model, see [Annex B](#).

This document describes the metrological characteristics of areal topography methods designed for the measurement of surface topography maps. Several standards (ISO 25178-601, ISO 25178-602, ISO 25178-603, ISO 25178-604, ISO 25178-605 and ISO 25178-606) have already been developed to define terms and metrological characteristics for individual methods. Although we have striven for consistency throughout the series, some slight differences can appear between them. Therefore Technical Committee ISO/TC 213 decided in 2012 to concentrate all common aspects into one standard – this document – and to describe in ISO 25178-601 to ISO 25178-606 only the terms relevant to each individual method. For the existing standards of ISO 25178-601 to ISO 25178-606 it will be necessary to adapt this decision within the next revision. Until then it will be possible to have different definitions for a single term. Further, if any differences between the current ISO 25178-601 to ISO 25178-606 are discovered that give rise to conflict, then parties involved in the conflict should agree how to handle the differences.

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NOTE Portions of this document describe patented systems and methods. This information is provided only to assist users in understanding basic principles of areal surface topography measuring instruments. This document is not intended to establish priority for any intellectual property, nor does it imply a license to any proprietary technologies described herein.

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