
Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ravna - 607. del: Imenske značilnosti nekontaktnih instrumentov (konfokalna mikroskopija) (ISO 25178-607:2018)

Geometrical product specifications (GPS) - Surface texture: Areal - Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments (ISO 25178-607:2018)

Geometrische Produktspezifikationen (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 607: Merkmale von berührungslos messenden Geräten (konfokale Mikroskopie) (ISO 25178-607:2018)

Spécification géométrique des produits (GPS) - Etat de surface: Surfacique - Partie 607: Caractéristiques nominales des instruments sans contact (microscopie confocale) (ISO 25178-607:2018)

Ta slovenski standard je istoveten z: EN ISO 25178-607:2019

ICS:

17.040.20	Lastnosti površin	Properties of surfaces
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Geometrical product specifications (GPS) - Surface texture:
Areal - Part 607: Nominal characteristics of non-contact
(confocal microscopy) instruments (ISO 25178-
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European foreword

This document (EN ISO 25178-607:2019) 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of an identical text or by endorsement, at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.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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The text of ISO 25178-607:2019 has been approved by CEN as EN ISO 25178-607 without any modification.

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**Geometrical product specifications
(GPS) — Surface texture: Areal —
Part 607:
Nominal characteristics of non-contact
(confocal microscopy) instruments**

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*Spécification géométrique des produits (GPS) — État de surface:
Surfacique —
Partie 607: Caractéristiques nominales des instruments sans contact
(microscopie confocale)*

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ISO 25178-607:2019(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.

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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 (GPS) 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 D](#).

This document describes the metrological characteristics of confocal microscopes designed for the measurement of surface topography maps.

For detailed information on the confocal microscopy technique, see [Annex A](#) and [Annex B](#).

NOTE Portions of this document, particularly the informative sections, describe patented systems and methods. This information is provided only to assist users in understanding the operating principles of confocal microscopy. This document is not intended to establish priority for any intellectual property, nor does it imply a license to proprietary technologies described herein.

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