

### SLOVENSKI STANDARD SIST EN ISO 25178-3:2012

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Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ploskovna - 3. del: Operatorji specifikacij (ISO 25178-3:2012)

Geometrical product specifications (GPS) - Surface texture: Areal - Part 3: Specification operators (ISO 25178-3:2012)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 3: Spezifikationsoperatoren (ISQ 25178-3:2012) PREVIEW

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Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 3:
Opérateurs de spécification (ISO 25178-3:2012)<sub>78-3:2012</sub>

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Ta slovenski standard je istoveten z: EN ISO 25178-3-2012

ICS:

17.040.20 Lastnosti površin Properties of surfaces

SIST EN ISO 25178-3:2012 en,fr

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**EUROPEAN STANDARD** 

**EN ISO 25178-3** 

NORME EUROPÉENNE

**EUROPÄISCHE NORM** 

July 2012

ICS 17.040.20

#### **English Version**

## Geometrical product specifications (GPS) - Surface texture: Areal - Part 3: Specification operators (ISO 25178-3:2012)

Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 3: Opérateurs de spécification (ISO 25178-3:2012)

Geometrische Produktspezifikation (GPS) -Oberflächenbeschaffenheit: Flächenhaft - Teil 3: Spezifikationsoperatoren (ISO 25178-3:2012)

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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# iTeh STANDARD PREVIEW (standards.iteh.ai)

#### **Foreword**

This document (EN ISO 25178-3:2012) 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of an identical text or by endorsement, at the latest by January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

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

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## iTeh STANDARD PREVIEW Endorsement notice

The text of ISO 25178-3:2012 has been approved by CEN as a EN ISO 25178-3:2012 without any modification.

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# INTERNATIONAL STANDARD

ISO 25178-3

First edition 2012-07-01

## Geometrical product specifications (GPS) — Surface texture: Areal —

Part 3:

### **Specification operators**

Spécification géométrique des produits (GPS) — État de surface:

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Partie 3: Opérateurs de spécification (standards.iteh.ai)

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Reference number ISO 25178-3:2012(E)

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### **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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 25178-3 was prepared by Technical Committee ISO/TC 213, Dimensional and geometrical product specifications and verification.

ISO 25178 consists of the following parts, under the general title *Geometrical product specifications (GPS)* — *Surface texture: Areal*:

- Part 2: Terms, definitions and surface texture parameters

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- Part 3: Specification operators
- Part 6: Classification of methods for measuring surface texture
- Part 70: Physical measurement standards<u>SIST EN ISO 25178-3:2012</u>
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- Part 71: Software measurement standards 19bb425/sist-en-iso-25178-3-2012
- Part 601: Nominal characteristics of contact (stylus) instruments
- Part 602: Nominal characteristics of non-contact (confocal chromatic probe) instruments
- Part 603: Nominal characteristics of non-contact (phase-shifting interferometric microscopy) instruments
- Part 604: Nominal characteristics of non-contact (coherence scanning interferometry) instruments
- Part 701: Calibration and measurement standards for contact (stylus) instruments

The following parts are under preparation:

- Part 1: Indication of surface texture
- Part 605: Nominal characteristics of non-contact (point autofocus probe) instruments
- Part 606: Nominal characteristics of non-contact (focus variation) instruments

### Introduction

This part of ISO 25178 is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO/TR 14638). It influences the chain link 3 of the chains of standards on areal surface texture.

The ISO/GPS Masterplan given in ISO/TR 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 specifications made in accordance with this document, unless otherwise indicated.

For more detailed information on the relation of this part of ISO 25178 to the GPS matrix model, see Annex E.

This part of ISO 25178 specifies the specification operators according to ISO 17450-2.

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