

Second edition
2022-02

Metallic coatings — Measurement of coating thickness — Scanning electron microscope method

Revêtements métalliques — Mesurage de l'épaisseur de revêtement — Méthode au microscope électronique à balayage



Reference number
ISO 9220:2022(E)

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 262, *Metallic and other inorganic coatings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 9220:1988), which has been technically revised.

The main changes are as follows:

- addition of two further calibration methods in [5.2](#), [8.2](#), and [8.3](#);
- deletion of technically outdated content concerning instability of SEMs and analogue photos or concerning the operation of SEMs [removal of old Subclauses 6.11, 6.12, 6.13, 8.4, 9.2.1, 9.2.2, 9.3, A.2.3, A.3.2, A.3.3, A.3.4, and A.3.7; revision of item e) in [Clause 12](#)];
- discussion of influences of imaging parameters on measurement uncertainty (new [6.11](#));
- revision of [Clause 10](#) and addition of [Annex B](#) with precision data from round robin tests;
- revision of [Annex A](#) to (re-) align it with ISO 1463:2021;
- adding a bibliography with informative references.

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