

Nedeštruktívne skúšanie Priemyselné rádiografické megatoskopy Minimálne požiadavky (ISO 5580: 2023)

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35 6887

Non-destructive testing - Industrial radiographic illuminators - Minimum requirements (ISO 5580:2023)

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

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Non-destructive testing - Industrial radiographic illuminators - Minimum requirements (ISO 5580:2023)

Essais non destructifs - Négatoscopes utilisés en radiographie industrielle - Exigences minimales (ISO 5580:2023)

Zerstörungsfreie Prüfung - Betrachtungsgeräte für die industrielle Radiographie - Minimale Anforderungen (ISO 5580:2023)

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European foreword

This document (EN ISO 5580:2023) has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing" in collaboration with Technical Committee CEN/TC 138 "Non-destructive testing" 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of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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The text of ISO 5580:2023 has been approved by CEN as EN ISO 5580:2023 without any modification.

INTERNATIONAL STANDARD

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Second edition 2023-11

Non-destructive testing — Industrial radiographic illuminators — Minimum requirements

Essais non destructifs — Négatoscopes utilisés en radiographie industrielle — Exigences minimales



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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.

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This document was prepared by Technical Committee ISO/TC 135, Non-destructive testing, Subcommittee SC 5, Radiographic testing, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, Non-destructive testing, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 5580:1985), which has been technically revised.

The main changes are as follows:

- normative references added to <u>Clause 2</u>;
- exact specification for luminance measurement equipment required (4.3);
- statements on luminance control of illuminators added (4.3);
- range of permitted light colours has been added (4.4);
- "Lamps" replaced by "Light sources", so that LEDs can be used too (7);
- "Film density" was replaced by "optical density" throughout the document;
- minor editorial corrections.

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Non-destructive testing — Industrial radiographic illuminators — Minimum requirements

1 Scope

The function of an industrial radiographic illuminator is to provide sufficient diffuse light for viewing of developed radiographic films (radiographs).

This document specifies the minimum requirements for industrial radiographic illuminators used for viewing radiographs.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CIE S 017/E, International Lighting Vocabulary, 2nd Edition

ISO/CIE 19476, Characterization of the performance of illuminance meters and luminance meters

ISO 5576, Non-destructive testing — Industrial X-ray and gamma-ray radiology — Vocabulary

koniec náhľadu – text ďalej pokračuje v platenej verzii STN