

INTERNATIONAL STANDARD

ISO
3334

Third edition
2006-01-01

Micrographics — ISO resolution test chart No. 2 — Description and use

Micrographie — Mire de résolution ISO no. 2 — Description et utilisation



Reference number
ISO 3334:2006(E)

© ISO 2006

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS

© ISO 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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 3334 was prepared by Technical Committee ISO/TC 171, *Document management applications*, Subcommittee SC 1, *Quality*.

This third edition cancels and replaces the second edition (ISO 3334:1989), which has been technically revised.

Introduction

Micrographic systems vary in their ability to record fine detail such as alphanumeric characters or closely spaced lines. The method specified in this International Standard involves the measurement of the ability of a given objective, photosensitive material and processing combination to reproduce the image in fine detail and therefore to be able to be applied to define and control this aspect of image quality.

Since microrecording systems can be operated close to limits of legibility, resolution testing provides a safeguard against loss of information, although other factors also contribute to the overall quality of the micro-image.

ISO 3334 describes a method of testing resolution that employs the ISO resolution test chart No. 2, in which the test patterns and their arrangement are shown in Figures 1 and 2.

Attention should be taken when referencing this International Standard in other standards. Some countries do not use this International Standard or they use alternative standards (such as ISO 446).

This document is a preview generated by EVS

Micrographics — ISO resolution test chart No. 2 — Description and use

1 Scope

This International Standard specifies a method of determining resolution by measuring the minimum size of detail recognizable in a processed microform. It describes the test patterns and ISO resolution test chart No. 2, and gives the method of expressing resolving power.

ISO resolution test chart No. 2 is designed for use as part of a test target, as required in other International Standards for micrographics.

This International Standard applies to the determination of the resolving power of a camera, film and processing combination used in a microfilming system or the resolution achieved in microforms therefrom. In this form it does not apply to the determination of the resolving power of microform readers, reader-printers or computer output microform (COM) imaging systems.

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 3:1973, *Preferred numbers — Series of preferred numbers*

ISO 5-1, *Photography — Density measurements Part 1: Terms, symbols and notations*

ISO 5-2 *Photography — Density measurements — Part 2: Geometric conditions for transmission density*

ISO 5-3, *Photography — Density measurements — Part 3: Spectral conditions*

ISO 5-4:1995, *Photography — Density measurements — Part 4: Geometric conditions for reflection density*

ISO 2471, *Paper and board — Determination of opacity (paper backing) — Diffuse reflectance method*

ISO 6196-1, *Micrographics — Vocabulary — Part 1: General terms*

ISO 6196-2, *Micrographics — Vocabulary — Part 2: Image positions and methods of recording*

ISO 6196-3, *Micrographics — Vocabulary — Part 3: Film processing*

ISO 6196-4, *Micrographics — Vocabulary — Part 4: Materials and packaging*

ISO 6196-5, *Micrographics — Vocabulary — Part 5: Quality of images, legibility, inspection*

ISO 6196-6, *Micrographics — Vocabulary — Part 6: Equipment*