
**Information technology — Office
equipment — Method for measuring
digital copying productivity of a single
one-sided original**

*Technologies de l'information — Équipement de bureau — Méthode de
mesure de la productivité du copiage numérique d'un simple original
une face*

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Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test parameters and conditions	3
4.1 Environment.....	3
4.2 Voltage.....	3
4.3 Copying device setup	3
4.4 Paper.....	4
4.5 Maintenance	4
4.6 Preparation of test targets (test charts)	4
5 Test method	5
5.1 Test setup.....	5
5.2 Test measurement procedure	5
5.3 Test method process	8
5.3.1 Suggested test method process flow chart.....	8
5.3.2 Single test target criteria	9
5.3.3 Estimating the copy count	9
5.3.4 5% consistency criteria.....	10
5.4 Performance test	10
6 Calculations and treatment of data	10
6.1 Performance test	11
6.1.1 1 Copy Test	11
6.1.2 1 Copy + 30 Seconds Test.....	11
6.1.3 1 Copy + 4 Minutes Test	12
7 Presentation of results.....	12
7.1 Performance test	12
Annex A (informative) Examples of report presentation	14
Annex B (informative) Example of full detailed report	15
Annex C (normative) Test targets for measurement of copying productivity.....	17
Bibliography.....	18

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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

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

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Introduction

Many digital copying devices produce copied pages at a different rate than their nominal speed when running with different quality modes, different substrate weight, different job content and job lengths. The degree to which a change in productivity is experienced depends significantly on other parameters of the job stream. The most dominant of the parameters of the job stream are

- image quality modes selected,
- job content,
- black-and-white and colour reproduction job stream, and
- run length.

ISO/IEC 24735 addresses the productivity issues for digital copying devices when using both collation and an automatic document feeder, but cannot be used for a single one-sided original.

This International Standard provides a general method for measuring productivity when the above-mentioned job stream parameters for digital copying devices are taken into consideration. This International Standard also includes instructions for the creation of test charts. It allows manufacturers and buyers of digital copying devices to describe the productivity of various digital copying devices with respect to representative office usage.

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1 Scope

This International Standard specifies a method for measuring productivity of digital copying devices and multifunctional devices with various copying modes and a single one-sided original. It is applicable to digital copying devices and multifunctional devices. It is intended to be used for black-and-white and colour digital copying devices and multifunctional devices of any underlying marking technology. This International Standard includes instructions for the creation of test charts, test setup procedure, test procedure, and the reporting requirements for the digital copying productivity measurements.

This International Standard is not intended to replace manufacturer's rated speeds.

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 2470-1:2009, *Paper, board and pulps — Measurement of diffuse blue reflectance factor — Part 1: Indoor daylight conditions (ISO brightness)*

ISO 536:1995, *Paper and board — Determination of grammage*