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|------------|--|---------------------------|
| <b>STN</b> | <b>Skúšobná metóda na opotrebovanie prostriedkov na mäkké spájkovanie vlnou využívajúce roztavenú bezolovnatú spájkovaciú zliatinu. Časť 2: Skúšobná metóda na opotrebovanie kovových materiálov s povrchovým spracovaním.</b> | <b>STN<br/>EN 62739-2</b> |
|            |  | 35 4065                   |

Test method for erosion of wave soldering equipment using molten lead-free solder alloy - Part 2: Erosion test method for metal materials with surface processing

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/17

Obsahuje: EN 62739-2:2016, IEC 62739-2:2016

**124505**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017  
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

**EN 62739-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2016

ICS 31.190; 31.240

English Version

Test method for erosion of wave soldering equipment using  
molten lead-free solder alloy - Part 2: Erosion test method for  
metal materials with surface processing  
(IEC 62739-2:2016)

Méthode d'essai de l'érosion de l'équipement de brasage à  
la vague utilisant un alliage à braser sans plomb fondu -  
Partie 2: Méthode d'essai d'érosion de matériaux  
métalliques avec traitement de surface  
(IEC 62739-2:2016)

Verfahren zur Erosionsprüfung für Wellenlöttausrüstungen  
bei Verwendung von geschmolzener, bleifreier Lotlegierung  
- Teil 2: Erosionsprüfverfahren für metallische Werkstoffe  
mit Oberflächenbehandlung  
(IEC 62739-2:2016)

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## European foreword

The text of document 91/1365/FDIS, future edition 1 of IEC 62739-2, prepared by IEC/TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62739-2:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-05-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-08-17

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

|                  |      |                                |
|------------------|------|--------------------------------|
| IEC 60194:2015   | NOTE | Harmonized as EN 60194:2016.   |
| IEC 62739-1:2013 | NOTE | Harmonized as EN 62739-1:2013. |

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>  | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|---|--------------|-------------|
| IEC 61190-1-3      | -           | Attachment materials for electronic assembly -- Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications | EN 61190-1-3 | -           |

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Test method for erosion of wave soldering equipment using molten lead-free solder alloy –**

**Part 2: Erosion test method for metal materials with surface processing**

**Méthode d'essai de l'érosion de l'équipement de brasage à la vague utilisant un alliage à braser sans plomb fondu –**

**Partie 2: Méthode d'essai d'érosion de matériaux métalliques avec traitement de surface**





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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Test method for erosion of wave soldering equipment using molten lead-free solder alloy –**

**Part 2: Erosion test method for metal materials with surface processing**

**Méthode d'essai de l'érosion de l'équipement de brasage à la vague utilisant un alliage à braser sans plomb fondu –**

**Partie 2: Méthode d'essai d'érosion de matériaux métalliques avec traitement de surface**

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## CONTENTS

|   |    |
|---|----|
| FOREWORD.....   | 3  |
| 1 Scope.....  | 5  |
| 2 Normative references.....   | 5  |
| 3 Terms and definitions .....   | 5  |
| 4 Test .....  | 6  |
| 4.1 General.....  | 6  |
| 4.2 Test equipment .....  | 6  |
| 4.2.1 Test equipment description .....  | 6  |
| 4.2.2 Configuration example of test equipment .....   | 6  |
| 4.3 Specimen.....   | 7  |
| 4.4 Test conditions.....  | 8  |
| 4.5 Test methods .....  | 9  |
| 4.5.1 Method A – Without bending.....   | 9  |
| 4.5.2 Method B – Accelerated in bended state.....   | 10 |
| 4.5.3 Drross removal procedure .....  | 11 |
| 5 Erosion depth measurement .....   | 11 |
| 5.1 General.....  | 11 |
| 5.2 Preparation of the specimen .....   | 11 |
| 5.3 Measurement equipment .....   | 12 |
| 5.4 Measurement procedure.....  | 12 |
| 6 Items to be recorded in test report .....   | 13 |
| Annex A (normative) Specifications of test equipment and measurement equipment.....                                   | 14 |
| A.1 Overview.....   | 14 |
| A.2 Characteristics of the test equipment.....  | 14 |
| A.2.1 General .....   | 14 |
| A.2.2 Pot unit.....   | 14 |
| A.2.3 Rotation unit .....   | 14 |
| A.2.4 Control unit.....   | 14 |
| A.2.5 Ventilation .....   | 15 |
| A.3 Accuracy of the measurement equipment.....  | 15 |
| A.3.1 General .....   | 15 |
| A.3.2 Measurement accuracy .....  | 15 |
| Bibliography .....  | 16 |
| Figure 1 – Configuration example of test equipment .....  | 7  |
| Figure 2 – Shape of the specimen .....  | 8  |
| Figure 3 – Example of a specimen attachment state without bending .....   | 10 |
| Figure 4 – Example of a specimen attachment state with 2 mm bending.....  | 11 |
| Figure 5 – Example of measurement equipment configuration for the focal depth method using an optical microscope..... | 12 |
| Table 1 – Test conditions .....   | 9  |



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**TEST METHOD FOR EROSION OF WAVE SOLDERING  
EQUIPMENT USING MOLTEN LEAD-FREE SOLDER ALLOY –**
**Part 2: Erosion test method for metal materials  
with surface processing**

## FOREWORD

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|              |                  |
|--------------|------------------|
| FDIS         | Report on voting |
| 91/1365/FDIS | 91/1379/RVD      |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62739 series, published under the general title *Test method for erosion of wave soldering equipment using molten lead-free solder alloy*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

# TEST METHOD FOR EROSION OF WAVE SOLDERING EQUIPMENT USING MOLTEN LEAD-FREE SOLDER ALLOY –

## Part 2: Erosion test method for metal materials with surface processing

### 1 Scope

This part of IEC 62739 provides an evaluating test method for the erosion of the metallic materials with surface processing intended to be used for lead-free wave soldering equipment as a solder bath and other components which are in contact with the molten solder. It aims at prevention of an accident or a fire by predicting a setup and life of a suitable maintenance cycle.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61190-1-3, *Attachment materials for electronic assembly – Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**