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Aerospace series - Recycling of titanium and titanium alloy scrap

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 2955:2025 sisaldab Euroopa standardi prEN 2955 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.02.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 2955:2025 consists of the English text of the European standard prEN 2955.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 19.02.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 49.025.30

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EUROPEAN STANDARD

EN 2955

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2025

ICS 49.025.30

Supersedes EN 2955:1993

English Version

Aerospace series - Recycling of titanium and titanium alloy scrap

Série aérospatiale - Recyclage des chutes de titane et
d'alliages de titane

Luft- und Raumfahrt - Wiederaufbereitung von Schrott
aus Titan und Titanlegierungen

This European Standard was approved by CEN on 25 November 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 2955:2025) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2025, and conflicting national standards shall be withdrawn at the latest by August 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 2955:1993.

The main changes with respect to the previous edition are as follows:

- EN 2955:1993-11:
 - o editorial improvements and global review of the document;
 - o modification of Table 1, line 6 “Scrap from used massive parts” and line 7 “Scrap from used light parts”;
 - o modification of the scope by adding “cold hearth melting”;
 - o modification of subclause 4.4.1 by adding “except for exfoliated ends”;
 - o modification of subclause 4.4.2 by adding “cold hearth melting”.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies the general requirements for the recycling, by vacuum remelting or cold hearth melting, of titanium and titanium alloy scrap used for the production of ingots.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

scrap processor

processor that classifies the scrap and guarantees conformity to the melter's requirements acting in accordance with the aerospace purchaser's requirements

Note 1 to entry: Scrap processing may be carried out by an independent processor (scrap dealer), by the melter's processing department or by the purchaser's processing department.

3.2

melter

company which manufactures titanium or titanium alloy ingots

3.3

purchaser

body which purchases the products from a manufacturer or a stockist in accordance with the requirements of the user

Note 1 to entry: The purchaser can also be the user.

3.4

melter's recovery department

department responsible for recovering the scrap produced by the melter and preparing it for treatment by the scrap processor

3.5

purchaser's recovery department

department responsible for recovering the scrap produced by the purchaser and preparing it for treatment by the scrap processor

3.6

scrap lot

scrap from the same alloy and same classification prepared by the same processor in accordance with the same process schedule and processed at the same time