



**SLOVENSKI STANDARD**  
**SIST EN ISO/ASTM 52911-1:2019**

**01-december-2019**

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**Dodajalna izdelava - Konstruiranje - 1. del: Spajanje kovinskega prahu na podlagi z laserskim žarkom (ISO/ASTM 52911-1:2019)**

Additive manufacturing - Design - Part 1: Laser-based powder bed fusion of metals (ISO/ASTM 52911-1:2019)

Additive Fertigung - Technische Konstruktionsrichtlinie für Pulverbettfusion - Teil 1: Laserbasierte Pulverbettfusion von Metallen (ISO/ASTM 52911-1:2019)

Fabrication additive - Conception - Partie 1: Fusion laser sur lit de poudre métallique (ISO/ASTM 52911-1:2019)

**Ta slovenski standard je istoveten z: EN ISO/ASTM 52911-1:2019**

**ICS:**

25.030            3D-tiskanje            Additive manufacturing

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NORME EUROPÉENNE

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## Additive manufacturing - Design - Part 1: Laser-based powder bed fusion of metals (ISO/ASTM 52911-1:2019)

Fabrication additive - Conception - Partie 1: Fusion laser sur lit de poudre métallique (ISO/ASTM 52911-1:2019)

Additive Fertigung - Konstruktion - Teil 1: Laserbasierte Pulverbettfusion von Metallen (ISO/ASTM 52911-1:2019)

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**EN ISO/ASTM 52911-1:2019 (E)**

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## European foreword

This document (EN ISO/ASTM 52911-1:2019) has been prepared by Technical Committee ISO/TC 261 "Additive manufacturing" in collaboration with Technical Committee CEN/TC 438 "Additive Manufacturing" 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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**Additive manufacturing — Design —  
Part 1:  
Laser-based powder bed fusion of  
metals**

*Fabrication additive — Conception —*

*Partie 1: Fusion laser sur lit de poudre métallique*

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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 261, *Additive manufacturing*, in cooperation with ASTM F42, *Additive Manufacturing Technologies*, on the basis of a partnership agreement between ISO and ASTM International with the aim to create a common set of ISO/ASTM standards on additive manufacturing.

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