

STN	Schvaľovacie skúšky pre CO2 laserové zvaracie zariadenia na vysoko kvalitné zvaranie a delenie Časť 4: Stroje s 2D pohyblivou optikou (ISO 15616-4: 2008)	STN EN ISO 15616-4 05 0330
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Acceptance tests for CO₂-laser beam machines for high quality welding and cutting - Part 4: Machines with 2-D moving optics (ISO 15616-4:2008)

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. 06/21

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Acceptance tests for CO₂-laser beam machines for high quality welding and cutting - Part 4: Machines with 2-D moving optics (ISO 15616-4:2008)

Essais de réception des machines de soudage et de coupage de qualité par faisceau laser CO₂ - Partie 4: Utilisation d'optiques mobiles 2D (ISO 15616-4:2008)

Abnahmeprüfungen für CO₂-Laserstrahlanlagen zum Qualitätsschweißen und -schneiden - Teil 4: 2D-Strahlführungssystem (ISO 15616-4:2008)

This European Standard was approved by CEN on 6 December 2020.

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EN ISO 15616-4:2021 (E)

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European foreword

The text of ISO 15616-4:2008 has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15616-4:2021 by Technical Committee CEN/TC 121 "Welding and allied processes" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by July 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.

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Endorsement notice

The text of ISO 15616-4:2008 has been approved by CEN as EN ISO 15616-4:2021 without any modification.

INTERNATIONAL STANDARD

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Acceptance tests for CO₂-laser beam machines for high quality welding and cutting —

Part 4: Machines with 2-D moving optics

*Essais de réception des machines de soudage et de coupage de qualité
par faisceau laser CO₂ —*

Partie 4: Utilisation d'optiques mobiles 2D



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Foreword

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ISO 15616-4 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Unification of requirements in the field of metal welding*.

This first edition of ISO 15616-4 cancels and replaces ISO/TS 17477:2003, which has been technically revised.

ISO 15616 consists of the following parts, under the general title *Acceptance tests for CO₂-laser beam machines for high quality welding and cutting*:

- *Part 1: General principles, acceptance conditions*
- *Part 2: Measurement of static and dynamic accuracy*
- *Part 3: Calibration of instruments for measurement of gas flow and pressure*
- *Part 4: Machines with 2-D moving optics*

Requests for official interpretations of any aspect of this part of ISO 15616 should be directed to the Secretariat of ISO/TC 44/SC 10 via a national standards body, a complete listing which can be found at www.iso.org.

Acceptance tests for CO₂-laser beam machines for high quality welding and cutting —

Part 4: Machines with 2-D moving optics

1 Scope

This part of ISO 15616 provides minimum requirements for acceptance testing, using practical test methods, for CO₂-laser beam machines for high quality welding and cutting in two dimensions (2-D), having a fixed workpiece on the platen and moving optics.

This part of ISO 15616 is not applicable to CO₂-laser beam machines which use an articulated robot, nor does it apply to work stations, such as a welding positioner, fixed board cutter, etc.

This part of ISO 15616 does not cover hazard protection devices, such as those for discharging chips and particles generated during welding and cutting

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