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**Welding — Acceptance inspection of  
electron beam welding machines —**

Part 6:

**Measurement of stability of spot position**

*Soudage — Essais de réception des machines de soudage par faisceau  
d'électrons —*

*Partie 6: Mesure de la stabilité de la position de la tache focale*



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Fax + 41 22 734 10 79  
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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 14744 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 14744-6 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 44, *Welding and allied processes*, Subcommittee SC 10, *Unification of requirements in the field of metal welding*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this standard, read "...this European Standard..." to mean "...this International Standard...".

ISO 14744 consists of the following parts, under the general title *Welding — Acceptance inspection of electron beam welding machines*:

- *Part 1: Principles and acceptance conditions*
- *Part 2: Measurement of accelerating voltage characteristics*
- *Part 3: Measurement of beam current characteristics*
- *Part 4: Measurement of welding speed*
- *Part 5: Measurement of run-out accuracy*
- *Part 6: Measurement of stability of spot position*