



SLOVENSKI STANDARD SIST EN ISO 22827-1:2006

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Acceptance tests for Nd:YAG laser beam welding machines - Machines with optical fibre delivery - Part 1: Laser assembly (ISO 22827-1:2005)

Abnahmeprüfungen für Nd:YAG-Laserstrahlschweißmaschinen - Maschinen mit Versorgung durch Lichtleitfaser - Teil 1: Lasereinrichtung (ISO 22827-1:2005)

Essais de réception pour les machines de soudage par faisceau laser Nd:YAG - Machines avec transport de faisceau par fibre optique - Partie 1: Ensemble laser (ISO 22827-1:2005)

Ta slovenski standard je istoveten z: EN ISO 22827-1:2005

ICS:

25.160.30	Varilna oprema	Welding equipment
31.260	Optoelektronika, laserska oprema	Optoelectronics. Laser equipment

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 22827-1

October 2005

ICS 25.160.30

English Version

**Acceptance tests for Nd:YAG laser beam welding machines -
Machines with optical fibre delivery - Part 1: Laser assembly
(ISO 22827-1:2005)**

Essais de réception pour les machines de soudage par faisceau laser Nd:YAG - Machines avec transport de faisceau par fibre optique - Partie 1: Ensemble laser (ISO 22827-1:2005)

Abnahmeprüfungen für Nd:YAG-Laserstrahlschweißmaschinen - Maschinen mit Versorgung durch Lichtleitfaser - Teil 1: Lasereinrichtung (ISO 22827-1:2005)

This European Standard was approved by CEN on 26 September 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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EN ISO 22827-1:2005 (E)**Foreword**

This document (EN ISO 22827-1:2005) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding", 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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

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

Endorsement notice

The text of ISO 22827-1:2005 has been approved by CEN as EN ISO 22827-1:2005 without any modifications.

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INTERNATIONAL
STANDARD

ISO
22827-1

First edition
2005-10-15

**Acceptance tests for Nd:YAG laser beam
welding machines — Machines with
optical fibre delivery —**

**Part 1:
Laser assembly**

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*Essais de réception pour les machines de soudage par faisceau laser
Nd:YAG — Machines avec transport de faisceau par fibre optique —*

Partie 1: Ensemble laser

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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 2.

The main task of technical committees is to prepare International Standards. 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 the member bodies casting a vote.

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

ISO 22827-1 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Unification of requirements in the field of metal welding*.

ISO 22827 consists of the following parts, under the general title *Acceptance tests for Nd:YAG laser beam welding machines — Machines with optical fibre delivery*:

— Part 1: *Laser assembly*

— Part 2: *Moving mechanism*

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Introduction

Requests for official interpretations of any aspect of this part of ISO 22827 should be sent to the Secretariat of ISO/TC 44/SC 10 via the member body in the user's country, a complete listing of which can be found at www.iso.org.

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