

First edition
1997-12-15

**Lasers and laser-related equipment —
Laser materials-processing machines —
Performance specifications and
benchmarks for cutting of metals**

*Lasers et équipements associés aux lasers — Machines à laser pour travail
des matériaux — Spécifications de performances et bancs d'essai de
découpage de métaux*

This material is reproduced from ISO documents under International Organization for Standardization (ISO) Copyright License number IHS/ICC/1996. Not for resale. No part of these ISO documents may be reproduced in any form, electronic retrieval system or otherwise, except as allowed in the copyright law of the country of use, or with the prior written consent of ISO (Case postale 56, 1211 Geneva 20, Switzerland, Fax +41 22 734 10 79), IHS or the ISO Licensor's members.



Reference number
ISO/TR 11552:1997(E)

Contents

	Page
1 Scope	1
2 Normative references	1
3 Definitions	1
4 Machine and process parameters	2
4.1 General	2
4.2 Specification of benchmark test	3
5 Evaluation	5
5.1 General	5
5.2 Quantitative evaluation — Classification	6
5.3 Measurements.....	6
5.4 Assigning a class to the cut	10
5.5 Qualitative evaluation.....	11
Annex A Table of parameters to be considered	12
Annex B Example of a workshop cutting specification.....	16
Annex C Examples of cutting patterns for benchmark tests	17
Annex D Bibliography	19

© ISO 1997

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@iso.ch
X.400 c=ch; a=400net; p=iso; o=isocs; s=central

Printed in Switzerland