



BSI Standards Publication

# Safety of machinery — Laser processing machines

---

Part 1: Laser safety requirements

## National foreword

This British Standard is the UK implementation of EN ISO 11553-1:2020+A11:2020. It is derived from ISO 11553-1:2020. It supersedes [BS EN ISO 11553-1:2020](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/76, Optical radiation safety and laser equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020  
Published by BSI Standards Limited 2020

ISBN 978 0 539 16092 5

ICS 13.110; 31.260

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2020.

### Amendments/corrigenda issued since publication

Date	Text affected
30 November 2020	Implementation of CEN amendment A11:2020: replacement of Annex ZA

---

ICS 13.110; 31.260

English Version

**Safety of machinery - Laser processing machines - Part 1:  
Laser safety requirements (ISO 11553-1:2020)**

Sécurité des machines - Machines à laser - Partie  
1: Exigences de sécurité laser (ISO 11553-1:2020)

Sicherheit von Maschinen -  
Laserbearbeitungsmaschinen - Teil 1: Anforderungen  
an die Sicherheit von Lasern (ISO 11553-1:2020)

This European Standard was approved by CEN on 13 January 2020.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**