



Laser Safety Information Booklet
for
Exhibitors with Active Laser Systems



Exhibitor Laser Safety Policy

The purpose of this booklet is to provide guidance in laser safety for our exhibitors with active laser systems, registration and compliance with all state regulations, and laser safety requirements from the Laser Institute of America (LIA). The safety of all attendees, employees and exhibitors is our primary goal.

FABTECH has adopted these laser safety rules to ensure a safe and professional conference for exhibitors and visitors. All exhibitors using lasers must understand and follow these rules. FABTECH will stop any laser activity that it deems to be unsafe.

Steven Glover, FABTECH appointed, is the Laser Safety Officer for FABTECH 2025 Exhibition, and is available for pre-show and on-site questions.

Steven Glover
FABTECH Laser Safety Officer
lasersafety@fabtechexpo.com

Laser Safety Rules

1. All laser systems no matter what class **must be registered** with FABTECH by **Wednesday, August 6, 2025**. See the laser system registration form in this booklet.
2. If you will be operating a laser, no matter how low powered, you are **REQUIRED** to register for an onsite safety check prior to opening. All equipment operation is subject to inspection and approval by FABTECH's Laser Safety Officer (LSO).
3. FABTECH requires that all lasers be operated in accordance with the laser safety guidelines specified in *ANSI Z136.1 American National Standard for Safe Use of Lasers*.
4. All lasers and laser systems must comply with the United States Center for Devices and Radiological Health (CDRH) CFR Title21 part 1040 Performance Standard for Light Emitting Products. This standard can be found on the CDRH website. The following is the web address: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?FR=1040.10>
5. Exhibitors shall use appropriate safety measures to prevent any unwanted or unintentional laser radiation exposure to any convention center staff or workers during pre-show set-up.
6. Exhibitors are responsible for the safe management of their booth space during set-up, exhibit hours, break down, and during any laser operation. Exhibitors assume all risk and liability for any hazards and/or injury that may result from failure to comply to laser safety standards. Exhibitors or device providers are required to correct any hazardous conditions prior to operation.
7. All displays containing an operating laser(s) and open laser beam (class 3B and 4) **must be contained in a Class 1 type enclosure**. Additionally, all laser equipment, associated optics or equipment, and beam stops are required to be secured from any movement (accidental or otherwise).
8. **Any windows on the class 1 enclosure must be of an optical density (OD) rating appropriate for the wavelength of laser being used in the demonstration. Proof must be available or windows must be clearly marked. FABTECH will be testing enclosure glass onsite to ensure safety standards.**
9. **Handheld Lasers must be operated within an enclosure that completely contains the nominal hazard zone and all people within the enclosure must wear PPE.**
10. All laser systems that are in class 1 enclosures that produce plasma emissions must have windows or provide eye protection of an appropriate optical density to protect against the plasma emission.
11. **All laser system interlocks must be functioning.**
12. Use of high-volume smoke evacuation during laser operation is required.
13. No laser equipment may be left unattended in operable condition. If the booth or exhibit is left unattended, the laser must be deactivated and the key must be removed from the laser.
14. No aerial display of any laser beam within the convention center property, including assigned booth, is allowed without FABTECH exhibition management written permission.
15. Compressed gas or compressed liquid cylinders used in the booth must be securely anchored to prevent toppling. Only a one-day, secured supply will be allowed in the display area. It is the exhibitors' responsibility to ensure that all compressed gas cylinders are properly secured at all times.

These rules are designed to ensure a safe environment for all. Failure to comply may necessitate the immediate shutdown of the laser station.



Laser System Registration Form

All laser systems no matter what class must be registered with FABTECH by **Wednesday, August 6, 2025**. All displays containing an operating laser(s) and open laser beam (class 3B and 4) **must be contained in a Class 1 type enclosure**. Please fill out the information below and submit it to the FABTECH LSO.

Company name: _____

Street address: _____

City: _____

State: _____

Zip code: _____

Country: _____

Booth number: _____

Company Contact Person:

Name: _____ Phone: _____ Email: _____

FABTECH LSO:

Steven Glover

lasersafety@fabtechexpo.com

Laser System Registration Form

[illegible]



LASER SAFETY INSPECTION REGISTRATION

Exhibition Dates: September 8-11, 2025

Deadline: Wednesday, August 6, 2025

Companies displaying an active laser are **REQUIRED** to register for an onsite safety check prior to the exhibit opening. Final safety inspection will take place during the following times:

Saturday, September 6 from 12PM - 4PM

Sunday, September 7 from 8AM - 4PM

Monday, September 8 from 7AM - 10AM

Please submit form by email to lasersafety@fabtechexpo.com. You will receive an email confirmation.

REQUIREMENTS: All displays containing an operating laser and open laser beam must be contained in a Class 1 type enclosure. Additionally, all laser equipment, associated optics or equipment, and beam stops are required to be secured from any movement (accidental or otherwise).

Please fill out the information below.

Exhibiting Company: _____ Booth Number: _____

Pre-show Contact: _____

Phone: _____ Email: _____

Onsite Contact: _____ On site Cell Number: _____

Please indicate (X) your requested inspection date and time range:

Saturday, September 6 (12-4PM) _____

Sunday, September 7 (12-4PM) _____

Sunday, September 7 (8-12PM) _____

Monday, September 8 (7-10AM) _____

Laser Equipment must be set up prior to Safety Check

Please provide an overview of equipment to be inspected:

Deadline: Wednesday, August 6, 2025

Questions? Contact Steven Glover at lasersafety@fabtechexpo.com

Submit



Exhibitor Laser Safety Checklist

- o Did you fill out the laser system registration form?
- o Did you fill out your laser safety inspection form?
- o Did you read the exhibitor laser safety policy?
- o Are all the interlocks on your laser working?
- o Does your laser system have a smoke evacuation system?
- o Does your laser system and enclosure comply with the CDRH 21 CFR 1040?
 - o To view the standard go to:
 - o <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?FR=1040.10>
- o Do all the windows on your class 1 enclosure meet the required optical density for both the laser wavelength and plasma emissions?
- o Are all compressed gas cylinders fastened down properly?