

7 WAYS

Work Safe with Lasers

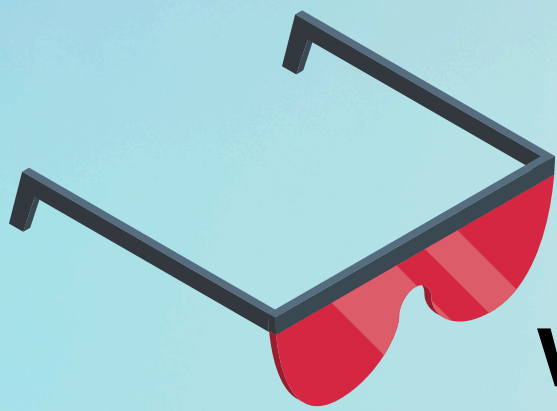
When working with lasers, always ensure a safe working environment for yourself, your colleagues and visitors – think before you act!



01

ASSESS THE LASER HAZARD

A Laser Hazard Control Plan and Safe Operating Procedures for class 3B and 4 laser systems are essential for assessing risks and ensuring worker safety.



03

WEAR THE CORRECT TYPE OF LASER SAFETY GOGGLES

For class 3B and 4 laser systems, ensure you are wearing the appropriate laser safety goggles that match the specific wavelength and optical density.



05

NEVER LEAVE AN OPERATING LASER UNATTENDED

Before leaving the facility, switch off the laser.



07

NEVER WEAR WATCHES OR REFLECTIVE JEWELRY DURING ALIGNMENT

Reflections from shiny surfaces can be hazardous. Remove watches and reflective jewelry to avoid accidental reflection during alignment.

02

REGISTER AS A LASER WORKER

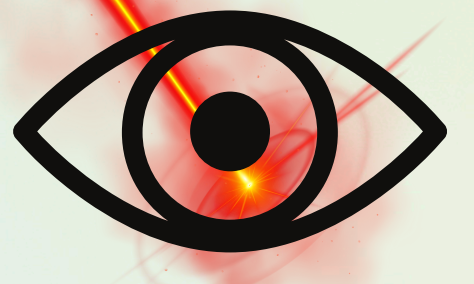
Laser worker registration is required for class 3B and 4 laser systems. The laser worker has to attend laser safety training, laser safety briefing and has eye examination for registration prior to laser system operation.



04

NEVER LOOK INTO A LASER OR AT LASER LIGHT REFLECTIONS

Direct exposure to a high power laser beam can lead to permanent eye damage, including burns to the retina. Although a low power laser beam might not cause immediate harm, it is still not advisable to look at it directly.



06

KEEP LASER BEAM BELOW EYE LEVEL

Never put yourself in any position where your eyes approach the axis of a laser beam (even with eye protection on). Keep beam paths below eye level when standing or sitting.



More Information to Laser Safety

https://hseo.hkust.edu.hk/sm_11_safety@ust.hk (general)
communal@ust.hk (safety training)