

SAFE WORK INSTRUCTION

CLASS 3B or 4 RESTRICTED LASER

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses must be worn at all times.



Rings and jewellery must not be worn.

POTENTIAL RISKS

- ❗ Laser burns to eyes or body.
- ❗ Body burns due to hot or molten materials.
- ❗ Fire.
- ❗ Electric shock.
- ❗ Fumes.

DON'Ts

- ✗ Do not use faulty equipment. Immediately report suspect equipment to your supervisor.
- ✗ Do not wear reflective items.
- ✗ Do not arm the laser until all people are wearing protective eyewear.
- ✗ Do not set the laser beam at eye level (standing or sitting)

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Ensure you are authorised to use the laser and you are familiar with all laser controls.
- ✓ Ensure the laser arming key is under positive control.
- ✓ Check that personnel have taken off all specular reflectors.
- ✓ Ensure your protective eyewear matches the wavelength of the laser, and is a good fit against the face.
- ✓ Ensure the work area is clean and clear of clutter and any flammable materials.
- ✓ Ensure other people are protected from laser beams by using beam guides, beam dumps, and protective curtains or barriers.
- ✓ Ensure power cords do not create a tripping hazard.

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the laser and remove the arming key.
- ✓ Keep the key under positive control.
- ✓ Deactivate laser warning signs.
- ✓ Verify there is no smouldering material or residue.
- ✓ Leave the work area in a safe, clean and tidy state.

OPERATIONAL SAFETY CHECKS

- ✓ Ensure the laser is correctly aligned.
- ✓ Ensure all personnel are wearing protective eyewear.
- ✓ Ensure lab entrances are closed, and that warning signs/lights are illuminated.
- ✓ Only insert the arming key immediately prior to activating the laser
- ✓ Do not let the laser run unattended.

This Safe Work Instruction does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references. It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use

