

LASER RISK ASSESSMENT FORM (LS-2)			Laser Ref. No:	0002	
<b>Policy Note:</b>					
A documented risk assessment is required for:					
<ul style="list-style-type: none"> <li>• Use of any class 3R, 3B or 4 laser.</li> <li>• Any manipulation (e.g. use of magnifying instruments) of a lower class laser that might increase the risk under certain operating conditions.</li> <li>• Any lower class laser whose non-beam hazards pose a significant risk, even though the risk from the beam itself is negligible.</li> <li>• Embedded 'Class 1 by design' products encompassing Class 3 or 4 lasers if the beams might be exposed during routine service and maintenance. A contractor's risk assessment may be sufficient.</li> </ul>					
<b><i>A copy of this Risk Assessment must be appended to the relevant Laser Registration Form (LS-1)</i></b>					
<b>What parts of the life cycle does this risk assessment apply to?</b>		Normal Operation, Maintenance, Servicing			
<b>Name of Assessor(s):</b>		Shijie Cai		<b>Date:</b>	22/07/2022
STEP 1		STEP 2	STEP 3		STEP 4
Ref. No:	List significant hazards	Affected groups	List existing controls	What is the risk?	Actions required?
<b>The laser:</b>					
001	Exposure during maintenance	Service engineer	Sealed unit construction. Fully-trained operators only.	Low	None
002	Electrical hazards during maintenance	Service engineer	No exposed high voltage. Fully earthed.	Low	None
004	Other hazards	Equipment users	Air cooling. No noise or trip hazards.	Negligible	None
<b>Beam delivery:</b>					
005	Exposure during maintenance	Service engineer	Total enclosure, mechanical and electrical interlocks.	Low	None
006	Exposure during normal use	Equipment users	Beam inaccessible	Negligible	None
<b>The laser process:</b>					
007	N/A	N/A	N/A	N/A	N/A
<b>Environment:</b>					
008	Typical risks of laboratory environment e.g. chemical and biological agents, electricity	Service engineer Equipment users	Limited-access room (CL2 laboratory). All users are aware of local hazards and control measures.	Low	None
<b>STEP 5</b>					
<b>Date for review:</b>		22/07/2024			